CONTENTS

1. CUSTOMER DATABASE PROGRAMMING

1.1 INTRODUCTION

The GDK Key Telephone System can be programmed to meet each customer's individual need. All programming is done at station 100 (station port # 00) using KD-36D digital key telephone. (You cannot program with Large LCD keyset.) Additional programming stations can be assigned (PGM 21-BTN 4), but only 1 keyset can be active in programming mode at any one time.

Upon entering the program mode, the key telephone at station 100 cannot operate as a normal telephone but as a programming instrument with all of the buttons redefined. The keys of the dial pad are used to enter the various data fields and to enter numerical information. The 24 buttons located at the top of the phone (Flexible Buttons) are used to indicate the specific data field and to enter information. Sometimes the **[SPEED]** button and '*' of the dial pad is used to delete the data or to indicate end of data input.

See TABLE 1.5.1 - 1.5.9 for default data. If this pre-programming suits the customer, additional admin program is not necessary. To change admin data, the user enters the admin. programming mode and select program code. During admin programming other keysets operate normally.

When Admin programming, LCD and LEDs indicate the current programmed data and status. If the programmer enters correct data, then LCD and LEDs show the entered data and the data is stored in the temporary buffer area. Real system databases is not changed and has no effect on telephone operation unless permanent-updating procedure is executed. Pressing [HOLD/SAVE] **button, all data in the temporary buffer (same as LCD and LEDs show their status) is saved into permanent memory. Tones are provided to let the programmer know data entry is correct (confirmation tone) or not (error tone).**

1.2 TO ENTER THE PROGRAMMING MODE

1. **Lift handset or press the** [MON] **button on the admin station, and hear ICM dial tone (optional).**
2. **Press the** [TRANS/PGM] **button and dial ✱ # (Confirmation tone is heard).**
3. **Enter Admin password if the password has been set. This places the station into the admin programming mode (confirmation tone heard).**

Each program is accessed by pressing the [TRANS/PGM] **button and dialing the two-digit program number. If an error is made while entering data, the [σ] or the** [TRANS/PGM] **button can go the previous status. When the** [TRANS/PGM] **button is pressed, the LCD will display;**

ENTER PROGRAM CODE

1.3 PERMANENT UPDATE PROCEDURE

When the data has been entered, the **[HOLD/SAVE]** button is used to store the data permanently. If all data was entered correctly, confirmation tone is heard when pressing the **[HOLD/SAVE]** button. If there were any errors in the entry, then an error tone is presented and data is not stored in the permanent memory.

1.4 NUMBERING PLAN

The following numbering plan can be changed by Admin Programming 01 depending on the user's needs.

NUMBER		ITEM	REMARK
162	100–291	Station Number	
100	100–235		
FPII	100–177		
162	620–649	Station Group Number	
100	620–634		
FPII	620-627		
3		PGM Enter Code	SLT
162	401-420	Internal Page Zones	
100	401-415		
FPII	401-405		
43		Internal All Call Paging	
44		Meet Me Page	
46		External Page Zone -1	
47		External Page Zone -2	
48		External All Call Paging	
49		All Call Paging	
50		Enter SMDR Account Code	4/8 BTN Keyset, SLT
51		Flash Command to CO Line	
52		Last Number Redial (LNR)	
53		Do Not Disturb	
54		Call Forward	
55		Station Speed Dial	
56		Message Wait Enable	
57		Message Wait Answer	
58		Speed Dial Access	
59		Cancel DND/Call Forward/Pre-selected MSG	
162	601-619	Call Park Location	
100	601-610		
FPII	601-605		
65		Alarm Reset	

NUMBER		ITEM	REMARK
66		Group Call Pick-up	
67#		DVU – Record User Greeting Busy(after predefined time)	
670		DVU – Record User Greeting NA (after predefined time)	
671		DVU – Time Announcement	
672		DVU – Date Announcement	
673		DVU – Station Number Announcement	
674		DVU – Record User Greeting VM NA	
675		DVU – Delete User Greeting	
676		DVU – Play User Greeting	
677		DVU – Station Status Announcement	
678		DVU – Record Page Announcement	
679		DVU – Retrieve Page Announcement (after 4 sec)	
69		Universal Night Answer (UNA)	
7XXX		Direct Call Pick-up (XXX = Station Number)	
162	801-848	CO Group Access	
100	801-824		
FPII	801-809		
162	8801-8896	CO Line Access	
100	8801-8848		
FPII	8801-8834		
89		Tie Routing Access	
8##		Retrieve Holding CO Group	Keyset
162	8#01-8#96	Retrieve Holding CO Line	Keyset
100	8#01-8#48		
FPII	8#01-8#34		
0		Access the first CO line	
9		Attendant Call	
*0		Print SMDR (Station Base)	Attendant
*1		Print SMDR (Account Group Base)	Attendant
*2		Delete SMDR (Station Base)	Attendant
*3		Delete SMDR (Account Group Base)	Attendant
*4		Display Call Charge on LCD	Attendant
**		Abort SMDR Printing	Attendant
#*1		Door Open 1	
#*2		Door Open 2	
#*3		Door Open 3	
#*4		Door Open 4	
*8		VM Message Wait Enable	
*9		VM Message Wait Cancel	
[SPEED] + *		Last Number Redial	
[SPEED] + #		Save Number Redial	Keyset
[SPEED] + 00-19		Station Speed Dial Access	Keyset

NUMBER	ITEM	REMARK
[SPEED] + XXX	System Speed Dial Access	XXX (Bin No. of System Speed Dial) 162: 200-999 100/FPII: 200-399

Table 1.4.1 Numbering Plan

- **For at komme i programmeringsmode tastes [OMST/PROG] eller på et analog app. tast 3**
- **Følgende nummerplan er fastlåst og kan ikke ændres.**
- **For at programmere en funktion på en lystast, tast [OMST/PROG] + kode.**

CODE	ITEM	REMARK
18	Walking COS	Keyset
30	Station User Name Registration	4/8 BTN Keyset, SLT
25	Receive Station Number from KSU	WHTU only
29	Erase Subscription Data	ATD only
2*	Display Date / Time	WHTU only
40	MPB Version Display	Keyset
41#	Wake-up Time Registration (Continuous)	
41	Wake-up Time Registration (One-time)	
42	Wake-up Time Cancel	
43	SMEMU Serial Number Display	Keyset with LCD
44	Authorization Code Registration	
45	Authorization Code Change	
46	Station COS Change	
47	Station COS Restore	
48	Custom Message Display (Message 00)	
49	Intercom Answer Mode (1 HF / 2 TONE / 3 PV)	Digital Keyset
50	Differential Ring	
51	LCD Display Mode (English/Korean)	Keyset
52	Set World Time	"
54	[RECORD] BTN Assignment – With Voice Mail	Keyset
55	Restrict DID Ring	System Attendant
56	Restore DID Ring	System Attendant
57	Headset/Speakerphone Mode	Keyset
58	[COLR] BTN Assignment	"
59	Erase All CO Message Wait	"
61	Enable/Disable DID Call Wait	"
62	Enable/Disable Send Keypad Facility IE	"
73	Background Music	"
77XX	Custom Message Display (XX = 00-20)	"
80	[Dial Memo] BTN Assignment	"
81	[Account Code] BTN Assignment	"

CODE	ITEM	REMARK

83	[ICM Hold] BTN Assignment	"
84	[LOOP] BTN Assignment	"
85	[Camp-on] BTN Assignment	"
86	[ATD Override] BTN Assignment	"
87	[UCD DND] BTN Assignment	"
88	[ACNR] BTN Assignment	"
89	[Stop Watch] BTN Assignment	"
8*	[ACD] BTN Assignment	Digital Keyset
8#	[Data Module] BTN Assignment	Digital Keyset
90	[SPEED] BTN Assignment	4/8 BTN Keyset
91	[CONF] BTN Assignment	"
92	[CALLBK] BTN Assignment	"
93	[DND/FWD] BTN Assignment	"
94	[FLASH] BTN Assignment	"
95	[MUTE] BTN Assignment	"
96	[MON] BTN Assignment	"
97	[CLIR] BTN Assignment	Keyset
41#	Wake-up Time Registration (Continuous)	Attendant
41	Wake-up Time Registration (One-time)	"
42	Wake-up Time Cancel	"
*4	Authorization Code Cancel	System Attendant
*5	LCD Date Mode Change	"
*6	LCD Time Mode Change	"
*7	Custom Display Message Program (11-20)	"
*8	CO Line Access	Attendant
*9	DND/Call Forward/Pre-selected MSG Cancel	"
*0	Door Phone Music Selection	"
#1	System Date/Time Setting	"
#2	Station COS Change (COS 7)	"
#3	Station COS Restore	"
#4	DVU - Record System Greeting	System Attendant
#5	External Page Music -1 Assignment/Cancel	Attendant
#6	External Page Music -2 Assignment/Cancel	Attendant
#71	Start Traffic Analysis	System Attendant
#72	Disable Traffic Analysis	"
#73	Print Traffic Analysis	"
#74	Abort Traffic Analysis	"
#8	Dial By Name	"
#9	Automatic Day/Night Mode Program	Attendant
##	Subscribe WHTU	ATD only
*#	Admin Programming Code	

TABLE 1.4.2 Fixed Numbering Plan

1.5 ADMIN PROGRAMMING INDEX

INITIALIZATION	**PGM 00**	**Database Initialization**
FLEXIBLE NUMBERING PLAN	**PGM 01**	**Flexible Numbering Plan**
SLOT ASSIGNMENT	**PGM 02**	**Slot Assignment**
MSN/SUB ADDRESS ASSIGNMENT	**PGM 03**	**MSN/Sub-address Assignment (GDK-162)**
	PGM 03	**PTRP Gain Table Program (GDK-100/FPII)**
	PGM 04	**PTRP Gain Table Program (GDK-162)**
FLEXIBLE DID TABLE	**PGM 05**	**Flexible DID Table**
EMERGENCY SERVICE CALL TABLE	**PGM 06**	**Emergency Call**
LCR(LEAST COST ROUTING)	**PGM 07**	**LCR**
SYSTEM ATTRIBUTE – IV	**PGM 08**	**System Attribute - IV**
ISDN COLP TABLE	**PGM 09**	**ISDN COLP Table**
STATION BASE PROGRAM	**PGM 10**	**Station Attribute - I**
	PGM 11	**Station Attribute - II**
	PGM 12	**Station Attribute - III**
	PGM 13	**Station ID Assignment**
	PGM 14	**Station Class-Of-Service**
	PGM 15	**CO Line Group Access**
	PGM 16	**ICM Tenancy Group**
	PGM 17	**Internal Page Zone**
	PGM 18	**Preset Call Forward**
	PGM 19	**Hot Line/Warm Line**
	PGM 20	**SMDR Account Group**
	PGM 21	**Station Attribute - IV**
	PGM 22	**CTI Attribute**
	PGM 23	**ISDN Station Attributes - V**
	PGM 24	**Station Attribute - VI**
	PGM 28	**Linked Pairs**
	PGM 29	**Flex Buttons Assignment**
CO LINE BASE PROGRAM	**PGM 30**	**CO Line Attribute – I**
	PGM 31	**CO Line Attribute - II**
	PGM 32	**CO Line Ring Assignment**
	PGM 33	**CO Flash Timer**
	PGM 34	**Open Loop Detect Timer**
	PGM 35	**TIE Line Assignment**
	PGM 36	**DID Line Assignment**
	PGM 37	**CO Line Attribute – III**
	PGM 38	**CO Line Attribute – IV**
	PGM 39	**R2 DCOB CO Line Attribute**

SYSTEM BASE PROGRAM	**PGM 40**	**System Attribute - I**
	PGM 41	**System Attribute - II**
	PGM 42	**System Attribute - III**
	PGM 43	**System Timer - I**
	PGM 44	**System Timer - II**
	PGM 45	**Admin Password**
	PGM 46	**Main Attendant Assignment**
	PGM 47	**Station Group**
	PGM 48	**Station Group Attribute**
	PGM 49	**Executive/Secretary Pairs**
	PGM 50	**Alarm Attribute**
	PGM 51	**External Control Contact**
	PGM 52	**PBX Access Code**
	PGM 53	**SMDR Long Distance Codes**
	PGM 54	**Authorization Code**
	PGM 55	**DID Digit Conversion**
	PGM 56	**DID/DISA Destination**
	PGM 57	**Pulse Dial Speed Ratio**
	PGM 58	**Modem Assignment**
	PGM 59	**Setting System Date/Time**
	PGM 60	**LCD Date/Time Display Mode**
	PGM 61	**S/W Version Display**
	PGM 62	**SMDR Attribute - I**
	PGM 63	**SMDR Attribute - II**
	PGM 65	**TIE Routing Tables**
	PGM 66	**System Gain Control**
	PGM 67	**System Speed Zone Programming**
	PGM 68	**ACNR Tone Cadence**
	PGM 69	**System Tone Frequency**
	PGM 71	**World Time Attribute**
	PGM 72	**Display World Time**
	PGM 73	**Voice Mail Dialing Codes**
	PGM 74	**CO Line Name Assignment**
	PGM 75	**Ring Frequency (Called Station base)**
	PGM 76	**Ring Frequency (Calling Station base)**
	PGM 77	**DCO TX Gain Control**
	PGM 78	**Digit Insert Table**
	PGM 79	**CCR Table**
	PGM 92	**Nation Specific Attribute - I (For Australia)**
	PGM #1	**System Attributes - V**

TOLL TABLE	**PGM 70** **PGM 64**	**Exception Table** **Canned Toll Exception Table**
PRINT DATABASE	**PGM 80**	**Database Print**
QSIG TABLE	**PGM *1** **PGM *2**	**QSIG Basic Attribute** **QSIG Routing Table**

TABLE 1.5.1 Admin Programming Index

1.6 DEFAULT VALUES

※ *The default values may be different by country adaptation.*

TABLE 1.6.1 INITIALIZATION

PGM	BTN	ITEM	DEFAULT	REMARK
00	**1**	**Station Data Initialization**	**-**	**Hold / Gem**
	2	**CO Line Data Initialization**	**-**	**Hold / Gem**
	3	**System Data Initialization**	**-**	**Hold / Gem**
	4	**Flex. Buttons Data Initialization**	**-**	**Hold / Gem**
	5	**Toll Table Initialization**	**-**	**Hold / Gem**
	6	**Flexible Numbering Plan Initialization**	**-**	**Hold / Gem**
	7	**Slot Assignment Initialization**	**-**	**Findes ikke i FPII**
	8	**All Data Initialization**	**-**	**Hold / Gem**
	9	**Nation Code, Basic/Extend Initialization**	**KOREA/BASIC**	**45 0 kortnr. Hold / Gem**
	10	**System S/W Reset**	**-**	**Hold / Gem**

TABLE 1.6.2 FLEXIBLE NUMBERING PLAN – GDK-162

PGM	BTN	ITEM	BASIC	EXTEND	REMARK
01		**First 24 Flexible Number**			
	1	**Station Number**	**100-291**	**100-699**	
	2	**Station Group Number**	**620-649**	***620-*649**	
	3	**Station PGM Enter Code**	**3**	***3**	**SLT**
	4	**Internal Page Zones**	**401-420**	***401-*420**	
	5	**Internal All Call Page**	**43**	***43**	
	6	**Meet Me Page**	**44**	***44**	
	7	**External Page Zone - 1**	**46**	***46**	
	8	**External Page Zone - 2**	**47**	***47**	
	9	**External All Call Page**	**48**	***48**	
	10	**All Call Page (EXT/INT)**	**49**	***49**	
	11	**Enter SMDR Account Code**	**50**	***50**	
	12	**Flash Command to CO line**	**51**	***51**	
	13	**Last Number Redial (LNR)**	**52**	***52**	
	14	**Do-Not-Disturb**	**53**	***53**	
	15	**Call Forward**	**54**	***54**	
	16	**Speed Dial Programming**	**55**	***55**	
	17	**MSG Wait/Call-Back Enable**	**56**	***56**	
	18	**MSG Wait/Call-Back Answer**	**57**	***57**	
	19	**Speed Dial Access**	**58**	***58**	
	20	**Cancel DND/CFW / Pre-selected MSG**	**59**	***59**	
	21	**Call Park Locations**	**601- 619**	***601-*619**	

PGM	BTN	ITEM	BASIC	EXTEND	REMARK
01		**First 24 Flexible Number**			
	22	**Alarm Reset**	**65**	***65**	
	23	**Group Call Pick-Up**	**66**	***66**	
	24	**Station DVU Access**	**67**	***67**	
01		**Second 24 Flexible Number**			
	1	**Night Answer**	**69**	***69**	
	2	**Direct Call Pick-Up**	**7**	***7**	
	3	**CO Group Access**	**801-848**	**801-848**	
	4	**CO Line Access**	**8801-8896**	**8801-8896**	
	5	**Tie Routing Access**	**89**	**89**	
	6	**Retrieve Held CO Group**	**8##**	**8##**	
	7	**Retrieve Held CO Line**	**8#01-8#96**	**8#01-8#96**	
	8	**Access to CO Line in the 1st available CO Group**	**9**	**9**	
	9	**Attendant Call**	**0**	**0**	
	10	**Print SMDR (Station Base)**	***0**	****0**	
	11	**Print SMDR (Account Group Base)**	***1**	****1**	
	12	**Delete SMDR (Station Base)**	***2**	****2**	
	13	**Delete SMDR (Account Group Base)**	***3**	****3**	
	14	**Display Call Charge On LCD**	***4**	****4**	
	15	**Abort SMDR Printing**	***	*****	
	16	**Door Open – 1**	**#*1**	**#*1**	
	17	**Door Open – 2**	**#*2**	**#*2**	
	18	**Door Open – 3**	**#*3**	**#*3**	
	19	**Door Open – 4**	**#*4**	**#*4**	
	20	**VM MSG Wait Enable**	***8**	***8**	
	21	**VM MSG Wait Cancel**	***9**	***9**	
	22	**UCD DND**			
	23	**Station ISDN Flash**			

TABLE 1.6.3 FLEXIBLE NUMBERING PLAN – GDK-100

PGM	BTN	ITEM	NUM SET 2	NUM SET 3	NUM SET 4	NUM SET 5	NUM SET 6	NUM SET 7	REMARK
01		**First 24 Flexible Number**							
	1	**Station Number**	**100-235**	**100-235**	**100-235**	**700-835**	**200-335**	**10-79**	
	2	**Station Group Number**	**620-634**	***620-*634**	**620-634**	**9700-9714**	**620-634**	***620-*634**	
	3	**Station PGM Enter Code**	**3**	***3**	***3**	***3**	**1**	***3**	**SLT**
	4	**Internal Page Zones**	**401-415**	***401-*415**	**#01-#15**	**#01-#15**	**401-415**	***401-*415**	
	5	**Internal All Call Page**	**43**	***43**	**#5**	**#3**	**43**	***43**	
	6	**Meet Me Page**	**44**	***44**	**##**	**##**	**44**	***44**	
	7	**External Page Zone - 1**	**46**	***46**	**#6**	**#41**	**46**	***46**	
	8	**External Page Zone - 2**	**47**	***47**	**#7**	**#42**	**47**	***47**	
	9	**External All Call Page**	**48**	***48**	**#8**	**#5**	**48**	***48**	
	10	**All Call Page (EXT/INT)**	**49**	***49**	**#00**	**#6**	**49**	***49**	
	11	**Enter SMDR Account Code**	**50**	***50**	**50**	**91**	**50**	***50**	
	12	**Flash Command to CO line**	**51**	***51**	**51**	**51**	**51**	***51**	
	13	**Last Number Redial (LNR)**	**52**	***52**	**52**	**52**	**52**	***52**	
	14	**Do-Not-Disturb**	**53**	***53**	**53**	**53**	**53**	***53**	
	15	**Call Forward**	**54**	***54**	**54**	**49**	**54**	***54**	
	16	**Speed Dial Programming**	**55**	***55**	**55**	***40**	**55**	***55**	
	17	**MSG Wait/Call-Back Enable**	**56**	***56**	**56**	***66**	**56**	***56**	
	18	**MSG Wait/Call-Back Answer**	**57**	***57**	**57**	***67**	**57**	***57**	
	19	**Speed Dial Access**	**58**	***58**	**58**	***9**	**58**	***58**	
	20	**Cancel DND/CFW / Pre-selected MSG**	**59**	***59**	**59**	**59**	**59**	***59**	
	21	**Call Park Locations**	**601-610**	***601-*610**	**601-610**	**950-959**	**601-610**	***601-*610**	
	22	**Alarm Reset**	**65**	***65**	**65**	***65**	**65**	***65**	
	23	**Group Call Pick-Up**	**66**	***66**	**	***1**	**66**	***66**	
	24	**Station DVU Access**	**67**	***67**	**40**	***22**	**67**	***67**	
01		**Second 24 Flexible Number**							
	1	**Night Answer**	**69**	***69**	**77**	**2**	**69**	***69**	
	2	**Direct Call Pick-Up**	**7**	***7**	***7**	***42**	**7**	***7**	
	3	**CO Group Access**	**801-824**	**801-824**	**801-824**	**401-424**	**801-824**	**801-824**	**SLT**
	4	**CO Line Access**	**8801-8848**	**8801-8848**	**8801-8848**	**4801-4848**	**8801-8848**	**8801-8848**	
	5	**Tie Routing Access**	**89**	**89**	**89**	**47**	**89**	**89**	
	6	**Retrieve Held CO Group**	**8##**	**8##**	**8##**	**4***	**8##**	**8##**	

PGM	BTN	ITEM	NUM SET 2	NUM SET 3	NUM SET 4	NUM SET 5	NUM SET 6	NUM SET 7	REMARK
	7	**Retrieve Held CO Line**	**8#01-8#48**	**8#01-8#48**	**8#01-8#48**	**4#01-4#48**	**8#01-8#48**	**8#01-8#48**	
	8	**Access to CO Line in the 1st available CO Group**	**9**	**9**	**9**	**1**	**0**	**9**	
	9	**Attendant Call**	**0**	**0**	**0**	**0**	**9**	**0**	
	10	**Print SMDR (Station Base)**	***0**	****0**	**661**	**671**	***0**	****0**	
	11	**Print SMDR (Account Group Base)**	***1**	****1**	**662**	**672**	***1**	****1**	
	12	**Delete SMDR (Station Base)**	***2**	****2**	**663**	**673**	***2**	****2**	
	13	**Delete SMDR (Account Group Base)**	***3**	****3**	**664**	**674**	***3**	****3**	
	14	**Display Call Charge On LCD**	***4**	****4**	**665**	****4**	***4**	****4**	
	15	**Abort SMDR Printing**	****	*****	**666**	*****	****	*****	
	16	**Door Open – 1**	**#*1**	**#*1**	**#*1**	**#*1**	**#*1**	**#*1**	
	17	**Door Open – 2**	**#*2**	**#*2**	**#*2**	**#*2**	**#*2**	**#*2**	
	18	**Door Open – 3**	**#*3**	**#*3**	**#*3**	**#*3**	**#*3**	**#*3**	
	19	**Door Open – 4**	**#*4**	**#*4**	**#*4**	**#*4**	**#*4**	**#*4**	
	20	**VM MSG Wait Enable**	***8**	***8**	***8**	***8**	***8**	***8**	
	21	**VM MSG Wait Cancel**	***9**	***9**	***9**	****9**	***9**	***9**	
	22	**UCD DND**	**68**	***68**	**68**	**68**	**68**	***68**	
	23	**Station ISDN Flash**	***#**	***#**	***#**	***#**	***#**	***#**	

TABLE 1.6.4 FLEXIBLE NUMBERING PLAN – GDK-FPII

PGM	BTN	ITEM	NUM SET 0	NUM SET 2	NUM SET 3	NUM SET 4	NUM SET 5	NUM SET 6	NUM SET 7	REMARK
01		**First 24 Flexible Number**								
	1	**Station Number**	**100-177**	**100-177**	**100-177**	**100-177**	**700-777**	**200-277**	**10-79**	
	2	**Station Group Number**	**620-627**	**620-627**	***620-*627**	**620-627**	**9700-9707**	**620-627**	***620-*627**	
	3	**Station PGM Enter Code**	**3**	**3**	***3**	***3**	***3**	**1**	***3**	**SLT**
	4	**Internal Page Zones**	**401-405**	**401-405**	***401-*405**	**#01-#05**	**#01-#05**	**401-405**	***401-*405**	
	5	**Internal All Call Page**	**43**	**43**	***43**	**#5**	**#3**	**43**	***43**	
	6	**Meet Me Page**	**44**	**44**	***44**	**##**	**##**	**44**	***44**	
	7	**External Page Zone - 1**	**46**	**46**	***46**	**#6**	**#41**	**46**	***46**	
	8	**External Page Zone - 2**								
	9	**External All Call Page**	**48**	**48**	***48**	**#8**	**#5**	**48**	***48**	

PGM	BTN	ITEM	NUM SET 0	NUM SET 2	NUM SET 3	NUM SET 4	NUM SET 5	NUM SET 6	NUM SET 7	REMARK
	10	**All Call Page (EXT/INT)**	**49**	**49**	***49**	**#00**	**#6**	**49**	***49**	
	11	**Enter SMDR Account Code**	**50**	**50**	***50**	**50**	**91**	**50**	***50**	
	12	**Flash Command to CO line**	**51**	**51**	***51**	**51**	**51**	**51**	***51**	
	13	**Last Number Redial (LNR)**	**52**	**52**	***52**	**52**	**52**	**52**	***52**	
	14	**Do-Not-Disturb**	**53**	**53**	***53**	**53**	**53**	**53**	***53**	
	15	**Call Forward**	**54**	**54**	***54**	**54**	**49**	**54**	***54**	
	16	**Speed Dial Programming**	**55**	**55**	***55**	**55**	***40**	**55**	***55**	
	17	**MSG Wait/Call-Back Enable**	**56**	**56**	***56**	**56**	***66**	**56**	***56**	
	18	**MSG Wait/Call-Back Answer**	**57**	**57**	***57**	**57**	***67**	**57**	***57**	
	19	**Speed Dial Access**	**58**	**58**	***58**	**58**	***9**	**58**	***58**	
	20	**Cancel DND/CFW / Pre-selected MSG**	**59**	**59**	***59**	**59**	**59**	**59**	***59**	
	21	**Call Park Locations**	**601-605**	**601-605**	***601-*605**	**601-605**	**950-954**	**601-605**	***601-*605**	
	22	**Alarm Reset**	**65**	**65**	***65**	**65**	***65**	**65**	***65**	
	23	**Group Call Pick-Up**	**66**	**66**	***66**	**	***1**	**66**	***66**	
	24	**Station DVU Access**	**67**	**67**	***67**	**40**	***22**	**67**	***67**	
01		**Second 24 Flexible Number**								
	1	**Night Answer**	**69**	**69**	***69**	**77**	**2**	**69**	***69**	
	2	**Direct Call Pick-Up**	**7**	**7**	***7**	***7**	***42**	**7**	***7**	
	3	**CO Group Access**	**801-809**	**801-809**	**801-809**	**801-809**	**401-409**	**801-809**	**801-809**	**SLT**
	4	**CO Line Access**	**8801-8834**	**8801-8834**	**8801-8834**	**8801-8834**	**4801-4834**	**8801-8834**	**8801-8834**	
	5	**Tie Routing Access**	**89**	**89**	**89**	**89**	**47**	**89**	**89**	
	6	**Retrieve Held CO Group**	**8##**	**8##**	**8##**	**8##**	**4***	**8##**	**8##**	
	7	**Retrieve Held CO Line**	**8#01-8#34**	**8#01-8#34**	**8#01-8#34**	**8#01-8#34**	**4#01-4#34**	**8#01-8#34**	**8#01-8#34**	
	8	**Access to CO Line in the 1st available CO Group**	**0**	**9**	**9**	**9**	**1**	**0**	**9**	
	9	**Attendant Call**	**9**	**0**	**0**	**0**	**0**	**9**	**0**	
	10	**Print SMDR (Station Base)**	***0**	***0**	****0**	**661**	**671**	***0**	****0**	
	11	**Print SMDR (Account Group Base)**	***1**	***1**	****1**	**662**	**672**	***1**	****1**	
	12	**Delete SMDR (Station Base)**	***2**	***2**	****2**	**663**	**673**	***2**	****2**	
	13	**Delete SMDR (Account Group Base)**	***3**	***3**	****3**	**664**	**674**	***3**	****3**	
	14	**Display Call Charge On LCD**	***4**	***4**	****4**	**665**	****4**	***4**	****4**	
	15	**Abort SMDR Printing**	**	**	***	**666**	***	**	***	
	16	**Door Open – 1**	**#*1**	**#*1**	**#*1**	**#*1**	**#*1**	**#*1**	**#*1**	

PGM	BTN	ITEM	NUM SET 0	NUM SET 2	NUM SET 3	NUM SET 4	NUM SET 5	NUM SET 6	NUM SET 7	REMARK
	17	**Door Open – 2**	**#*2**	**#*2**	**#*2**	**#*2**	**#*2**	**#*2**	**#*2**	
	18	**Door Open – 3**								
	19	**Door Open – 4**								
	20	**VM MSG Wait Enable**	***8**	***8**	***8**	***8**	***8**	***8**	***8**	
	21	**VM MSG Wait Cancel**	***9**	***9**	***9**	***9**	****9**	***9**	***9**	
	22	**UCD DND**	**68**	**68**	***68**	**68**	**68**	**68**	***68**	
	23	**Station ISDN Flash**	***#**	***#**	***#**	***#**	***#**	***#**	***#**	

TABLE 1.6.5 SLOT ASSIGNMENT

PGM	SYS	BTN	DEFAULT	REMARK
02	**GDK-FP II**	**1**	**03**	**CO Line Slot Assignment** **Max. 34 CO lines or Max. 6 slots**
		2	**02**	**Station Slot Assignment** **Max. 78 stations or Max. 7 slots**
		3	**08**	**WTIB Port Number Step á 8**
		4	**30**	**P-Ports – Antal ISDN 30 porte**
	GDK-100	**1**	**08 07 06 12 11**	**CO Line Slot Assignment** **Max. 48 CO lines or Max. 8 slots**
		2	**01 02 03 04 05 09 10 11**	**Station Slot Assignment** **Max. 136 stations**
		3	**08**	**WTIB Port Number**
	GDK-162	**1**	**06 07 08 14 15 16 17**	**CO Line Slot Assignment** **Max. 96 CO lines**
		2	**02 03 04 05 09 10 11 12 13**	**Station Slot Assignment** **Max. 186 stations**
		3	**08**	**WTIB Port Number**

TABLE 1.6.6 MSN/SUB-ADDRESS ASSIGNMENT

PGM	BTN	ITEM	RANGE	DEFAULT	REMARK
03	**1**	**CO Line Number**	**01-96/48/34**		**PGM 03: 162** **PGM 04:** **100/FPII**
(04)	**2**	**Flex DID Table(PGM 05) Index**			
	3	**MSN/Sub-address Number**	**0-9**		
	4	**Telephone Number**	**20 digits**		

TABLE 1.6.7 FLEXIBLE DID TABLE PROGRAM

PGM	BTN	SUB-BTN	ITEM	RANGE	DEFAULT	REMARK
05	**1**	**1**	**Bin Number**	**000-299**		
		2	**CO Name (DID Name)**	**11 digits**		
		3	**Day Destination Bin Number**	**STA/STA Grp/DVU**		
		4	**Night Destination Bin Number**	**STA/STA Grp/DVU**		
	2		**Restore default**			
	3		**Clear table**			

TABLE 1.6.8 EMERGENCY SERVICE CALL

PGM	BTN	ITEM	RANGE	DEFAULT	REMARK
06	**1~10**	**Emergency Service Call Table**	**5 digits**		

TABLE 1.6.9 LCR TABLE ASSIGNMENT

PGM	BTN	ITEM	RANGE	DEFAULT	REMARK
07	**1**	**LCR Access Mode**	**DIS/OVR/ALL**	**DIS**	
	2	**Set the Day of week zone**	**1~7**	**1234567**	
	3	**Set the Time of week zone**	**00~24**	**0024**	
	4	**LCR Leading Digit Table**			
	5	**Digit Modification Table**			
	6	**Initialization of LCR Database**			

TABLE 1.6.10 SYSTEM ATTRIBUTE - IV

PGM	BTN	ITEM	RANGE	DEFAULT	REMARK
08	**1**	**In zero insertion**	**1/0**	**0 (OFF)**	
	2	**My area code**	**5 digits**		
	3	**CO ATD Code**	**2 digits**		
	4	**DID Conversion Table**	**0/1/2**	**0**	
	5	**Calling Sub Address**	**1/0**	**0 (OFF)**	
	6	**Type of Calling Number**	**0~4**	**2 (National No.)**	
	7	**Advice of Charge**	**0~5**	**0**	
	8	**Out Zero Insertion**	**1/0**	**1 (ON)**	
	9	**Paging Conference Index**	**Internal Page Group**		
	10	**U-A Law Line Installed**	**1/0**	**0 (OFF)**	
	11	**ISDN Sending Mode**	**1/0**	**0 (Overlap)**	**For Israel**

PGM	BTN	ITEM	RANGE	DEFAULT	REMARK
	12	**Enblock Inter-digit Timer**			**For Israel**
	13	**Prefix Code**	**2 digits**	**0**	
	14	**International Access Code**	**4 digits**	**-**	

TABLE 1.6.11 ISDN COLP TABLE ASSIGNMENT

PGM	BTN	ITEM	RANGE	DEFAULT	REMARK
09	**1-10**	**ISDN COLP Table**	**10 digits**		

TABLE 1.6.12 STATION BASE PROGRAM (1/2)

PGM	BTN	ITEM	RANGE	DEFAULT			REMARK
				FP II	100	162	
10	**1**	**DND (Do-Not-Disturb)**	**YES / NO**	**NO**			
	2	**Speed Dial Access**	**YES / NO**	**YES**			
	3	**Page Access**	**YES / NO**	**NO**			
	4	**Call Forward Access**	**YES / NO**	**NO**			
	5	**PLA (Preferred Line Answer)**	**YES / NO**	**YES**			
	6	**Auto Speaker Select**	**YES / NO**	**YES**			
	7	**Warm Line**	**YES / NO**	**NO**			
	8	**SMDR Dial Digit Hidden Display**	**YES / NO**	**NO**			
11	**1**	**CO Line Queuing**	**YES / NO**	**YES**			
	2	**3-Minute Warning Tone**	**YES / NO**	**NO**			
	3	**Override Privilege**	**YES / NO**	**NO**			
	4	**Automatic CO Hold** **YES-For Attendant, NO-For Others**	**YES / NO**				
	5	**Data Line Security**	**YES / NO**	**NO**			
	6	**Group Listening**	**YES / NO**	**NO**			
	7	**Speaker-Phone/Headset**	**SP / HEAD**	**Speakerphone**			
	8	**Howling Tone To SLT**	**YES / NO**	**YES**			
	9	**DID Call Waiting on busy station**	**YES / NO**	**NO**			
12	**1**	**Alarm/Door Bell Signaling**	**YES / NO**	**YES**			
	2	**ICM Box Signaling**	**YES / NO**	**YES**			
	3	**CO Line Access with dialing**	**YES / NO**	**YES**			
	4	**No Touch Answer**	**YES / NO**	**NO**			
	5	**DVU Access**	**YES / NO**	**NO**			
	6	**Voice Over**	**YES / NO**	**NO**			
	7	**Suppress RX Data connected DM**	**YES / NO**	**NO**			
	8	**Prepaid Call**	**YES / NO**	**NO**			

PGM	BTN	ITEM	RANGE	DEFAULT			REMARK
				FP II	100	162	
13		**Station ID Assignment**	**1-12**	**Keyset**			
	1	**Keyset**					
	2	**DSS MAP 1**					
	3	**DSS MAP 2**		**N/A**	**-**	**-**	
	4	**DSS MAP 3**		**N/A**	**-**	**-**	
	5	**DSS MAP 4**		**N/A**	**N/A**	**-**	
	6	**DLS MAP 1**		**-**			
	7	**DLS MAP 2**		**N/A**	**N/A**	**-**	
	8	**ICM Box**		**-**			
	9	**SLT (DTMF)**		**-**			
	10	**SLT (Pulse)**		**-**			
	11	**SLT with Msg Wait (DTMF)**		**-**			
	12	**SLT with Msg Wait (Pulse)**		**-**			
	13	**Station ID Display**		**-**			
14	**1**	**Station COS : Day**	**1 - 7**	**1**			
	2	**Station COS : Night**	**1 - 7**	**1**			
15		**CO Group Access**					
	1- 24	**CO Line Group 01~24**		**01-09**	**01-24**	**01-24**	
		CO Line Group 25~48		**N/A**	**N/A**	**25-48**	
16	**1**	**ICM Tenancy Group Assign**	**01 - 05/10**	**01**			
	2	**ICM Tenancy Group Attendant**	**STA No.**	**-**			
	3	**ICM Tenancy Access Group**	**01 - 05/10**	**01**			
17	**1-xx**	**Internal Page Zone Access**	**01 - 05/20**	**GRP 01**			
18		**Preset Call Forward**		**-**			
19		**Hot Line / Warm Line**		**-**			
	1	**Flex Button**	**01 - 24**	**-**			
	2	**CO Line**	**01-34/48/96**	**-**			
	3	**CO Group**	**01-09/24/48**	**-**			
	4	**Station**	**STA No.**	**-**			
20		**SMDR Account Group Assign**	**01 - 24/99**	**-**			
21	**1**	**DID Ring**	**YES / NO**	**YES**			
	2	**ACD Warning Tone**	**YES / NO**	**YES**			
	3	**CO Button Program Enable**	**YES / NO**	**NO**			
	4	**ADMIN Program Enable**	**YES / NO**	**NO**			
	5	**UCD Service**	**YES / NO**	**NO**			
	6	**Differential Ring**	**0 - 4**	**0**			
	7	**CO Call Drop Timer Enable**	**YES / NO**	**NO**			
22	**1**	**CTI Mode**	**1 - 3**	**2**			
	2	**CTI Baud Rate**	**1 - 3**	**1**			

PGM	BTN	ITEM	RANGE	DEFAULT			REMARK
				FP II	100	162	
23	**1**	**ISDN Sub Address**	**YES / NO**	**NO**			
	2	**ISDN Long**	**YES / NO**	**NO**			
	3	**MSN**	**1/0**	**0 (NO)**			
	4	**EXT or CO ATD**	**1/0**	**1 (EXT)**			
	5	**Progress IND**	**1/0**	**0 (NO)**			
	6	**CO Message Wait**	**1/0**	**0 (NO)**			
	7	**Station Base CLIP**	**1/0**	**0 (NO)**			
	8	**Station Base COLP**	**1/0**	**0 (NO)**			
	9	**Station Base CPN**	**1/0**	**0 (NO)**			
	10	**Station Base CLIR**	**1/0**	**0 (NO)**			
	11	**STA CLI Name Display**	**1/0**	**1(ON)**			
24	**1**	**CO Name Bin**	**00 - 10**	**00**			
	2	**COLR**	**YES / NO**	**NO**			
	3	**HSR (Headset Ring)**	**ON / OFF**	**OFF**			**UK: ON**
	4	**CO Group Access with dialing**	**YES/NO**	**YES**			
	5	**Keypad Facility**	**YES/NO**	**NO**			

TABLE 1.6.13 STATION LINK PROGRAM

PGM	BTN	ITEM	RANGE	DEFAULT	REMARK
28	**1**	**Linked Station Pairs View**	-	-	

TABLE 1.6.14 FLEXIBLE BUTTONS PROGRAM

PGM	BTN	ITEM	RANGE			DEFAULT	REMARK
			FP II	100	162		
29	**01-48**	**Flex. Buttons Assignment**	**BTN 01-48**				
		1: User Button	**-**			Ledig / Empty	
		2: {COxx} Button	**01 -34**	**01 -48**	**01-96**		
		3: {CO Group xx} Button	**01 -09**	**01 -24**	**01-48**		
		4: {LOOP} Button	**-**				
		5: {STA xxx} Button	**STA No.**				
		6: STA PGM Button	**-**				
		7: {SPD xxx} Button	**SPD Bin No.**			200-399	

TABLE 1.6.15 CO LINE BASE PROGRAM

PGM	BTN	ITEM	RANGE	DEFAULT	REMARK
30	**1**	**CO Line Group Assign**	**00 - 10/25/49**	**01**	
	2	**CO Line COS**	**1 – 5**	**1**	
	3	**CO Line Group Account**	**YES / NO**	**NO**	
	4	**DISA-xx**	**U/N/B/S/D, 0 - 9**	**U0**	
	5	**DISA Account Code**	**YES / NO**	**YES**	
	6	**CO Line Name**	**00 - 10**	**00**	
31	**1**	**CO Line Type**	**CO / PBX**	**CO**	
	2	**CO Line Signal Type**	**DTMF / Pulse**	**DTMF**	
	3	**Universal Night Answer (UNA)**	**YES / NO**	**NO**	
	4	**Flash Type**	**Ground / Loop**	**Loop**	
	5	**Metering Type**	**0 – 6**	**0**	
	6	**Voice/Data For CEPT**	**VOICE / DATA**	**VOICE**	
	7	**Line Drop using CPT**	**YES / NO**	**NO**	
	8	**Night DVU**	**YES / NO**	**NO**	
32		**CO Line Ring Assignment**			
	1	**Ring Assign to Stations** **- Ring Mode** **- Delay Ring Counter**	 **U/D/N/B/O** **0 - 9**	**U0**	**U : Unassigned (0)** **D : Day Only (1)** **N : Night Only (2)** **B : Day/Night (3)** **O :On-demand (4)**
	2	**Ring Assign to Hunt Group**	**0 -4 (Ring Mode)**		
33		**CO Flash Timer**	**00 -30**	**05**	**(100msec base)**
34		**Open Loop Detect Timer**	**00 -20**	**00**	**(100msec base)**
35		**TIE Line Assignment**	**1-7**	**1**	
	1	**Normal Ring**			
	2	**Ring/Down**			
	3	**Loop/Dial**			
	4	**Ear/Mouth Continuous**			
	5	**Polarity Reverse**			
	6	**Ear/Mouth Discontinuous**			
	7	**DID Line For Digital CO Line**			
36		**DID Line Assignment**	**1-4**	**1**	
	1	**Immediate Start**			
	2	**Wink Start**			
	3	**Delayed Dial Start**			
37		**ISDN CO Line Attributes**			
	1	**COLP**	**00-11**	**00**	
	2	**DID RN**	**00-99**	**00**	

PGM	BTN	ITEM	RANGE	DEFAULT	REMARK
38		CO Line Attributes -IV			
	1	CO Distinct Ring	0-4	0	
	2	CO Line MOH	0-4	0	
	3	CO Line Dial Tone	YES/NO	YES	
	4	Ring Back Cause Handling	1/0 (ON/OFF)	0 (OFF)	For GDK-162
	5	Error Cause Handling	1/0 (ON/OFF)	0 (OFF)	
	6	Busy Cause Handling	1/0 (ON/OFF)	0 (OFF)	
	7	Announce Cause Handling	1/0 (ON/OFF)	0 (OFF)	
39		R2 DCOB CO Line Attribute			For GDK-162
	1	Incoming Signal	Pulse(0)/DTMF(1)/REC(2)	DTMF (1)	
	2	Outgoing Signal	Pulse(0)/DTMF(1)/REC(2)	DTMF (1)	
	3	B-Signal	1-9	CHARGE (6)	
	4	Grp II Signal	1-9	Grp II-1 (1)	

TABLE 1.6.16 SYSTEM BASE PROGRAM

PGM	BTN	ITEM	RANGE	DEFAULT	REMARK
40	1	Hold Preference	SYS / EXC	SYS	
	2	Privacy	YES / NO	YES	
	3	Privacy Warning Tone	YES / NO	YES	
	4	Page Warning Tone	YES / NO	YES	
	5	Off-Hook Ring Signal Type	Mute Ring /One Burst Ring	Mute Ring	
	6	Multi-Line Conference	YES / NO	YES	
	7	Common Speed Toll Check	YES / NO	YES	For GDK-162
	8	Attendant Call Queuing	Ringback/MOH	MOH	
41	1	Background Music Channels	0 - 9	1	
	2	MOH Channel	0 - 9	1	
	3	ICM BOX Music Channel	0 - 9	1	
	4	Music source on Channel 1	Internal / External	Internal	For GDK-162/100
	5	LCD Display Language	0 - 24	1 (KOREAN)	3 : Invalid
	6	Print Caller-ID	YES / NO	NO	
	7	CAMP, MOH/RBT	YES / NO	NO	
	8	SMDR Dial Digit Hidden Display	0 - 4	0	For GDK-100/FPII
42	1	External Night Ring	YES / NO	NO	
	2	CO Line Access mode in CO Grp	Round Robin /Last Choice	Last Choice	
	3	Continuous Dial-Tone	YES / NO	YES	
	4	Ring Exchange on SLT	YES / NO	NO	
	5	Dial-Tone Detect	YES / NO	NO	

PGM	BTN	ITEM	RANGE	DEFAULT	REMARK
	6	**Clear ACD Database after printing**	**YES / NO**	**NO**	
	7	**ACD Print Duration**	**10SEC / 1Hour**	**1 Hour**	
43	**1**	**Exclusive Hold Recall Timer**	**000 - 300**	**060**	**1 sec base**
	2	**System Hold Recall Timer**	**000 - 300**	**030**	**1 sec base**
	3	**Transfer Recall Timer**	**000 - 300**	**030**	**1 sec base**
	4	**I-Hold Recall Timer**	**000 - 300**	**030**	**1 sec base**
	5	**ATD Recall Timer**	**00 - 60**	**01**	**1 min base**
	6	**CO Ring Detect Timer**	**1 - 9**	**2**	**100 msec base**
	7	**Pause Timer**	**1 - 9**	**3**	**1 sec base**
	8	**CO Release Guard Timer**	**010 - 150**	**020**	**100 msec base**
	9	**CO Warning Tone Timer**	**060 - 900**	**180**	**1 sec base**
	10	**CO Dial Delay Timer**	**00 - 99**	**01**	**1 sec base**
	11	**Call Park Timer**	**000 - 600**	**120**	**1 sec base**
	12	**Preset Call Forward Timer**	**00 - 99**	**10**	**1 sec base**
	13	**Unsupervised Conference Timer**	**00 - 99**	**10**	**1 min base**
	14	**ACNR Retrial Pause Timer**	**030 - 300**	**030**	**1 sec base**
	15	**ACNR Retrial Delay Timer**	**000 - 300**	**030**	**1 sec base**
	16	**Flexible DID Time-out Timer**	**000 - 300**	**030**	**100 msec base**
	17	**ACNR No Answer Timer**	**10 - 50**	**30**	**1 sec base**
	18	**ACNR Retry Counter**	**1 - 3**	**3**	
	19	**Warm Line Timer**	**01 - 20**	**05**	**1 sec base**
	20	**PBX Code Print**	**1 / 0**	**0**	
	21	**Prepaid Call Warning Tone Timer**	**00 - 99**	**15**	**1 sec base**
	22	**DISA Retry Counter**	**1 - 13**	**3**	
	23	**COS when DISA seize CO**	**1 - 6**	**6 (UK: 1)**	
	24	**DVU Forward Answer Timer**	**04 - 40**	**04**	
	25	**R2 Out Manage Timer**	**01 - 50**	**14**	**For GDK-162**
	25	**ACNR Retry Time Count**	**1 - 9**	**3**	**For GDK-100/FPII**
	26	**R2 Pulse Timer**	**01 - 30**	**7**	**For GDK-162**
	26	**Switch Pause Timer**	**00 -40**	**00**	**For GDK-100/FPII**
	27	**DT Delay Timer**	**01 - 30**	**20**	**For GDK-162**
	27	**First CO Group OVR**	**0 / 1**	**1**	**For GDK-100/FPII**
	28	**ACNR Retry Time Count**	**1 - 9**	**3**	**For GDK-162**
	28	**CO Call Drop Timer**	**01 - 99**	**10**	**For GDK-100/FPII**
	29	**Switch Pause Timer**	**00 - 40**	**00**	**For GDK-162**
	30	**First CO group OVR**	**0 / 1**	**1 (UK : 0)**	**For GDK-162**
	31	**R2 Incoming Manage Timer**	**01 - 50**	**14**	**N/A in FPII/100**
	32	**R2 Disappear Timer**	**01 - 50**	**14**	**N/A in FPII/100**
	33	**CO Call Drop Timer**	**01 - 99**	**10**	**1 min base**

PGM	BTN	ITEM	RANGE	DEFAULT	REMARK
44	**1**	**Message Reminder Tone Timer**	**00 - 60**	**00**	**1 min base**
	2	**Hook Switch Flash Timer**	**01-25**	**05**	**100msec base**
	3	**Hook Switch Debounce Timer**	**01 - 25**	**01**	**100msec base**
	4	**DID/DISA No Answer Timer**	**00 - 99**	**20**	**1 sec base**
	5	**ICM Box Timer**	**00 - 60**	**30**	**1 sec base**
	6	**Door Open Timer**	**05 - 99**	**20**	**100msec base**
	7	**Call Forward No Answer Timer**	**000 - 600**	**015**	**1 sec base**
	8	**ICM Dial-Tone Timer**	**01 - 20**	**10**	**1 sec base**
	9	**Inter-Digit Timer**	**01 - 20**	**05**	**1 sec base**
	10	**Automatic Release Timer**	**000 - 300**	**030**	**1 sec base**
	11	**Page Timer**	**00 - 60**	**15**	**1 sec base**
	12	**Ring Stop Detection Timer**	**010 - 150**	**060**	**100 msec base**
	13	**Wink Timer**	**010 - 200**	**010**	**10 msec base**
	14	**Min Hook-flash Timer**	**000 - 250**	**020**	**10 msec base**
	15	**SMDR Start Timer**	**000 - 250**	**000**	**1 sec base**
	16	**DVU Recording Time**	**10 - 90**	**20**	**1 sec base**
	17	**CO Digit Analysis Counter**	**0 - 9**	**3**	
	18	**ACD Print Timer**	**000 - 255**	**000**	
	19	**SLT Ring Phase Time**	**2 - 5**	**5**	**1 sec base**
	20	**Camp-On Recall Timer**	**000 - 200**	**050**	**1 sec base**
	21	**Station Auto Release Timer**	**000 - 200**	**060**	**1 sec base**
	22	**CEPT CO Type**	**0 – 2**	**2**	**0:Sweden/Cyprus** **1:Italy** **2:Korea/Australia**
	23	**Preparation Signal Timer**	**000 - 025**	**007**	**For GDK-162**
	23	**Erase Wake Up Fail Ring Timer**	**00 - 99**	**20**	**For GDK-100/FPII**
	24	**Erase Wake Up Fail Ring Timer**	**00 - 99**	**20**	
45		**ADMIN Password**	**4 Digits**	**-**	
46	**1-5**	**Main Attendant Assign**	**STA No.**	**1 : 101**	
47	**1-6**	**Station Groups**			
	1	**Circular Group**			
	2	**Terminal Group**			
	3	**UCD Group**			
	4	**Voice Mail Group**			
	5	**Ring Group**			
	6	**Pick-Up Group**			

PGM	BTN	ITEM	RANGE	DEFAULT	REMARK
48		**Circular Group Attribute**			
	1	**No Answer Timer**	**00 – 99**	**15**	**1 sec base**
	2	**Ring Timer**	**000 – 999**	**999**	**1 sec base**
	3	**Wrap-Up Timer – Efterbeh. tid**	**002 – 999**	**002**	**1 sec base**
	4	**Overflow Timer**	**000 – 600**	**000**	**1 sec base**
	5	**Overflow Destination**	**STA No. /STA GRP No.**	**-**	
	6	**Announce Location**	**DVU 1-9**	**-**	
	7	**Group Call By Pilot Number**	**1/0**	**0**	
		Terminal Group Attribute			
	1	**No Answer Timer**	**00 – 99**	**15**	**1 sec base**
	2	**Ring Timer**	**000 – 999**	**999**	**1 sec base**
	3	**Wrap-Up Timer – Efterbeh. Tid**	**002 – 999**	**002**	**1 sec base**
	4	**Overflow Timer**	**000 – 600**	**000**	**1 sec base**
	5	**Overflow Destination**	**STA No./ STA GRP No.**	**-**	
	6	**Announce Location**	**DVU 1-9**		
	7	**Group Call By Pilot Number**	**1/0**	**0**	
		UCD Group Attribute			
	1	**Queuing To DVU Announce 1 Timer**	**000 – 999**	**015**	**Rettes til 0 sek.**
	2	**Queuing To DVU Announce 2 Timer**	**000 – 999**	**000**	**Ret til 5-15 sek.**
	3	**Supervisor Timer**	**000 – 999**	**030**	**1 sec base**
	4	**Supervisor Call**	**00 – 99**	**00**	
	5	**Overflow Timer**	**000 – 600**	**000**	**1 sec base**
	6	**Wrap-Up Timer – Efterbeh. Tid**	**002 – 999**	**002**	**1 sec base**
	7	**Queuing To DVU Announce Timer**	**000 – 999**	**000**	**1 sec base**
	8	**Overflow Destination**	**STA No. / STA GRP No.**	**-**	
	9	**DVU Announce Location 1**	**DVU 1 - 9**	**-**	**Ann besked 1**
	10	**DVU Announce Location 2**	**DVU 1 - 9**	**-**	**Ann besked 3**
	11	**DVU Announce 2 Repeating**	**1 / 0**	**0**	**Yes / No**
	12	**UCD Station's Priority**	**0 – 9**	**0**	**Prio på lnr. I grp.**
	13	**Supervisor**	**STA No.**	**-**	
	14	**Alternate Destination**	**STA No. / STA GRP No.**	**-**	**Hvis alle er opt / udmeldt, ellers overflow pkt. 8**
	15	**Music Source**	**0 – 9**	**0**	**0=Int. 2=ext.**
	16	**Max Queue Call Count - Antal**	**00-99**	**00**	
	17	**Service No Duty**	**0/1**	**No**	**Pålæg hvis max kø nås. Pkt. 16**

PGM	BTN	ITEM	RANGE	DEFAULT	REMARK
		VM Group Attribute			
	1				
	2	**Ring Timer**	**000 – 999**	**999**	**1 sec base**
	3				
	4	**Overflow Timer**	**000 – 600**	**000**	**1 sec base**
	5	**Overflow Destination**	**STA No./ STA GRP No.**	**-**	
	6				
	7	**Put Mail Index**	**1 – 4**	**1**	
	8	**Get Mail Index**	**1 – 4**	**2**	
	9	**VM Group Hunt Type**			
		Ring Group Attribute			
	1	**Overflow Timer**	**000 – 600**	**600**	**1 sec base**
	2	**Overflow Destination**	**STA No./ STA GRP No.**	**-**	
	3	**Music Source**	**0 – 2**	**0**	
	4	**Ring Group Annc Timer**			
	5	**Ring Group Annc Location**			
48		**Pick-Up Group Attribute**			
	1	**Auto Pick-Up**	**YES / NO**	**NO**	
	2	**All Ringing**	**YES / NO**	**NO**	
49	**1-xx**	**Executive/Secretary Pairs**	**STA No.**	**-**	
50	**1**	**Alarm Enable**	**YES / NO**	**NO**	
	2	**Alarm Mode**	**Alarm / Door-Bell**	**Alarm**	
	3	**Alarm Contact Type**	**Close / Open**	**Close**	
	4	**Alarm Signal Mode**	**Repeat / Once**	**Repeat**	
51	**1 - x**	**External Contact Assign**	**1 - 2/4/6**	**-**	
52	**1 - 5**	**PBX Dialing Codes**	**Max 2 digits**	**-**	
53	**1 - 5**	**SMDR Long Distance Codes**	**Max 2 digits**	**1 : "0"**	
54		**Authorization Codes**	**5 digits**	**-**	
55	**1**	**DID Received Digit from PX**	**2 - 4**	**3**	
	2	**DID First Two Digits Conversion**	**4 digits**	**#*****	**0 - 9** **# : Ignore Digit** *** : using received digit**
	3	**DID Second Digit Conversion**	**10 digits**	**1234567890**	
56		**DID/DISA Destination**			
	1	**Busy Destination**	**Tone / ATD**	**Tone**	
	2	**Error Destination**	**Tone / ATD**	**Tone**	

PGM	BTN	ITEM	RANGE	DEFAULT	REMARK
57	**1 - 4**	**Pulse Dial Speed Ratio**		**2**	**1: 10 PPS 60/40** **2: 10 PPS 66/33** **3: 20 PPS 60/40** **4: 20 PPS 66/33**
58	**1**	**Modem Mode**	**Modem / Bypass**	**Modem**	
	2	**Modem Baud Rate**	**1 - 8**	**4**	
	3	**Modem Associated Device**	**CO No.(0)/** **STA No.(1)**	**STA 167/171/291**	**Modem lok 177**
59		**System DATE/TIME Setting**	**10 cifre**		**YYMMDDTTMM**
60	**1**	**LCD Time Display Mode**	**12/24 Hour**	**12 Hour**	
	2	**LCD Date Display Mode**	**MMDDYY /** **DDMMYY**	**DDMMYY**	
61		**S/W Version Display**			
62	**1**	**Save SMDR**	**YES / NO**	**NO**	
	2	**Print SMDR**	**YES / NO**	**NO**	
	3	**SMDR Recording Call Type**	**LD / All**	**Long Distance Only**	
	4	**Print Incoming Call**	**YES / NO**	**NO**	
	5	**Record Detailed SMDR**	**YES / NO**	**YES**	
	6	**SMDR Print Baud Rate** **(RS-232)**	**1 - 8**	**6**	**1: Baud 300** **2: Baud 600** **3: Baud1200** **4: Baud 2400** **5: Baud 4800** **6: Baud 9600** **7: Baud 19200** **8: Baud 38400**
	7	**SMDR Currency**	**3 English Chars**	**-**	
63	**1**	**SMDR Cost Per Unit Pulse**	**6 digits**	**-**	
	2	**SMDR Fraction**	**0 - 5**	**0**	
65	**1 - 6**	**TIE Routing Table (01 - 30)**	**CO 01-34/48/96**	**-**	
66	**1 -12**	**System Gain Control**	**0 - 63**		**1 dB base**
67	**1 - 3**	**System Speed Zone**	**01 - 10**		
68	**1 - 4**	**ACNR Tone Cadence**	**0 - 255**		**20 msec base**
69	**1 - 4**	**System Tone Frequency**	**4 digits**		
71	**1 - 4**	**World Time Attribute**	**1: Display World Time** **2: Celsius/Fahrenheit** **3: ISD Code length** **4: ISD Code**	**-**	

PGM	BTN	ITEM	RANGE	DEFAULT	REMARK
72	**1 - 4**	**World Time**	**1: Nation Code** **2: Area Code** **3: Time** **4: Temperature**	**-**	
73	**1 - 9**	**VM dialing Table**	**Max. 12 digits**		
74		**CO Line Name (01-10)**	**Max. 12 ENG. chars**	**-**	
75	**1 - 4**	**Ring Frequency**	**0000 - 9999**		
76	**1 - 4**	**Distinct Ring Frequency**	**0000 - 9999**		
77	**1 - 7**	**DCO TX Gain**	**00 - 63**		**1 dB base**
78	**1 - 3**	**Digit Insert Table**			

TABLE 1.6.17 TOLL TABLE

PGM	BTN	ITEM	RANGE	DEFAULT	REMARK
70		**Exception Tables**			
	1	**Allowed Table A**	**01 - 20**	**-**	
	2	**Denied Table A**	**01 - 10**	**-**	
	3	**Allowed Table B**	**01 - 20**	**-**	
	4	**Denied Table B**	**01 - 10**	**-**	
64		**Canned Toll Exception Table**			
	1	**Allowed Table**	**01 - 10**		
	2	**Denied Table**	**01 - 10**		
79		**CCR Tables**	**01 - 09**		

TABLE 1.6.18 PRINT DATABASE

PGM	BTN	ITEM	REMARK
80	**1**	**Print Flexible Numbering Plan**	
	2	**Print Slot Assignment**	
	3	**Print Station Database**	
	4	**Print Flex Buttons Assignment**	
	5	**Print CO Line Database**	
	6	**Print System Database**	
	7	**Print Toll Tables**	
	8	**Print System Speed Dial Bins**	
	9	**Print All Database**	
	10	**Print Specific Nation's Database**	

TABLE 1.6.19 NATION SPECIFIC SYSTEM PROGRAM

PGM	BTN	ITEM	RANGE	DEFAULT	REMARK
92	**1**	**CPE CO Connection Program**			**For Australia**
	2	**CPE Port Selection Program**			
	3	**CLI TEL No. or Name Display**			

TABLE 1.6.20 SYSTEM ATTRIBUTE - V

PGM	BTN	BTN	ITEM	RANGE	DEFAULT	REMARK
#1	**1**		**Virtual DIP Switch**			**For GDK-FPII**
		1	**CTS**	**ON/OFF**	**OFF**	
		2	**SOFT**	**ON/OFF**	**OFF**	
		3	**ECHO**	**ON/OFF**	**OFF**	
		4	**XONOFF**	**ON/OFF**	**OFF**	
	2	**1-5**	**Assign MOH via SLT**	**Station No**		
	6	**1-8**	Print Port Selection	**1-2(4)**	**1**	

2. PRE-PROGRAMMED DATABASE

This section describes the pre-programming of the data. At installation, the installer must program PGM 00 items (Nationality, Normal/Extend) first, otherwise system may not operate properly. If you want to change station numbers or feature codes, then use PGM 01. To change Slot Assignment, proceed PGM 02. The system is initialized when installed, but to re-initialize the database with default values provided by system, proceed PGM 00.

PROCEDURE FOR PRE-PROGRAMMING

(1) Set Nationality and Normal/Extend Mode appropriately. (System reset and re-initializes automatically. See Section 2.1)
(2) Set Slot Assignments (If configuration is not equal to default Slot Assignments, change slot assignments, and change the status of DIP switch 8 on MPB to ON. Reset system manually. See Section 2.3)
(3) Set Numbering Plan. (See Section 2.2)

2.1 DATABASE INITIALIZATION & NATION ASSIGNMENT (PGM 00)

The system has been pre-programmed with certain features which are called default data (Table 1.5.1 - 1.5.9). These features are loaded into memory when the system is initialized. The system should be always initialized when installed or at any time the database has been corrupted. To initialize the system to default values, proceed as follows;

PROCEDURE

INITIALIZATION PRESS FLEX KEY (1-10)

(1) [TRANS/PGM] **+ 00.**

(2) Press one of buttons (1-10) as described at Table 2.1.1. Initially all LEDs are off and the selected Flex. Button's LED will be steady on.

(3) To initialize database press BTN 1-8 and the [HOLD/SAVE] **button, then database is initialized with default data and system goes to step (1).**

INITIALIZATION
NATION: 82 EXTEND: NO

(4) In GDK-162, to assign Nationality and Normal/Extend Numbering type,

i) Press BTN 9.

ii) Dial a nation code.

iii) Dial 0(for basic numbering plan) or 1(for extend numbering plan).

iv) Press the [SPEED] **button. Then LCD shows the nation code and numbering type.**

v) Press the [HOLD/SAVE] **button for permanent updating. The system is reset automatically. (Ex. Nation is Korea, and Basic Numbering Type as default.)**

INITIALIZATION
NATION: 82 NUM_SET: 0

(5) In GDK-100 or GDK-FPII, there are 5 sets of numbering plan. To assign Nationality or to select a number plan,

i) Press BTN 9.
ii) Dial a nation code.
iii) Dial a number of a desired numbering set.
iv) Press the [SPEED] **button. Then LCD shows the nation code and the number of numbering set.**
v) Press the [HOLD/SAVE] **button for permanent updating. In this case system is reset automatically. (Nation is Korea, and Basic Numbering Type as default.)**

Each numbering plan set is determined by the following rule.

A. Numbering Plans with NUM SET 0.

a. Australia – NUM SET 4 in flexible numbering plan table (TABLE 1.6.3 or TABLE 1.6.4).

b. New Zealand – NUM SET 5 in flexible numbering plan table (TABLE 1.6.3 or TABLE 1.6.4).

c. Italy – NUM SET 6 in flexible numbering plan table (TABLE 1.6.3 or TABLE 1.6.4).

d. All countries except for above countries – NUM SET 2 in flexible numbering plan table (TABLE 1.6.3 or TABLE 1.6.4).

B. Numbering Plans with NUM SET 1

a. Australia – NUM SET 4 in flexible numbering plan table (TABLE 1.6.3 or TABLE 1.6.4).

b. New Zealand – NUM SET 5 in flexible numbering plan table (TABLE 1.6.3 or TABLE 1.6.4).

c. Italy – NUM SET 6 in flexible numbering plan table (TABLE 1.6.3 or TABLE 1.6.4).

d. All countries except for above countries – NUM SET 3 in flexible numbering plan table (TABLE 1.6.3 or TABLE 1.6.4).

C. Numbering Plans with NUM SET 2-7

The selected NUM SET in flexible numbering plan table (TABLE 1.6.3 or TABLE 1.6.4) is applied regardless of country.

(6) To reset system, press BTN 10 and the [HOLD/SAVE] **button.**

(7) Press [σ] button instead of the [HOLD/SAVE] **button, then system goes to step (1) with no updating system memory.**

BTN	ITEM
1	**Station Database Initialization**
2	**CO Line Database Initialization**
3	**System Database Initialization**
4	**Flexible Buttons Initialization**
5	**Toll Table Initialization**
6	**Flexible Numbering Initialization**
7	**Slot Assignment Initialization**
8	**All Database Initialization**
9	**Nationality & Extend/Basic Numbering Plan Assignment**
10	**System Reset by Software**

TABLE 2.1.1 Button Configuration of Initialization (PGM 00)

NATION	CODE	NATION	CODE	NATION	CODE
America	**1**	**Argentina**	**54**	**Australia**	**61**
Bahrain	**973**	**Bangladesh**	**880**	**Belgium**	**32**
Bolivia	**591**	**Brazil**	**55**	**Brunei**	**673**
Burma	**95**	**Cameroon**	**237**	**Chile**	**56**
China	**86**	**China (Hongkong)**	**852**	**China (Taiwan)**	**886**
CIS	**7**	**Colombia**	**57**	**Costa Rica**	**506**
Cyprus	**357**	**Czech**	**42**	**Denmark**	**45**
Ecuador	**593**	**Egypt**	**20**	**El Salvador**	**503**
Ethiopia	**251**	**Fiji**	**679**	**Finland**	**358**
France	**33**	**Gabon**	**241**	**Germany**	**49**
Ghana	**233**	**Greece**	**30**	**Guam**	**671**
Guatemala	**502**	**Guyana**	**592**	**Haiti**	**509**
Honduras	**504**	**India**	**91**	**Indonesia**	**62**
Iran	**98**	**Iraq**	**964**	**Ireland**	**353**
Israel	**972**	**Italy**	**39**	**Japan**	**81**
Jordan	**962**	**Kenya**	**254**	**Korea**	**82**
Kuwait	**965**	**Liberia**	**231**	**Libya**	**218**
Liechtenstein	**41**	**Luxembourg**	**352**	**Malaysia**	**60**
Malta	**356**	**Mexico**	**52**	**Monaco**	**33**
Morocco	**212**	**Netherlands**	**31**	**New Zealand**	**64**
Nigeria	**234**	**Norway**	**47**	**Oman**	**968**
Pakistan	**92**	**Panama**	**507**	**P.N.G**	**675**
Paraguay	**595**	**Peru**	**51**	**Philippines**	**63**
Portugal	**351**	**Qatar**	**974**	**Saudi Arabia**	**966**
Senegal	**221**	**Singapore**	**65**	**South Africa**	**27**
Spain	**34**	**SriLanka**	**94**	**Swaziland**	**268**
Sweden	**46**	**Switzerland**	**41**	**Thailand**	**66**
Tunisia	**216**	**Turkey**	**90**	**U.A.E.**	**971**
United Kingdom	**44**	**Uruguay**	**598**	**Venezuela**	**58**
Y.A.R.	**967**				

TABLE 2.1.2 Nation & National Code (PGM 00)

2.2 FLEXIBLE NUMBERING PLAN (PGM 01)

Feature codes of the system can be assigned flexibly via the system programming. Feature Code length should be in the range of 1(one) digit through four digits. Let's say that a feature code conflict has occurred in such a case that a feature code string matches with other longer feature code string, checking from the first digit of the code. For example, features Code 53 and 536 have a feature code conflict. The system will not allow any feature code conflict.

PROCEDURE

FLEX NUMBERING (01-24) PRESS FLEX KEY
FLEX NUMBERING (25-45) PRESS FLEX KEY

(1) [TRANS/PGM] + **01. You can program the first 24 Flex. Numbers.**

- **In this status, if you press [τ] button, then you go to the second 24 Flexible Numbers Programming mode.**

(2) If you want to program the first 24 flexible numbers, press one of BTN 1-24 at the first 24 Flexible Numbers Programming mode. Initially all LEDs are off and the selected BTN's LED will be steady on.

- **If you want to program the second 24 flexible numbers, press one of BTN 1-21 at the second 24 Flexible Numbers Programming mode. Initially all LEDs are off and the selected button's LED will be steady on. See Table 2.2.2.**

000 001 002 003 100 101 102 103

(3) **Station Numbers Assign. Press BTN 1 in the first 24 flexible number programming mode, then you will see the 4 station numbers corresponding to the 4 port numbers. Station number length is in the range of 1 digit through 4 digits. There are two methods for changing station number.**

Dial two station numbers - Range start station number & range end station number, then LEDs of associated Flex. buttons with station are steady on. Press the [SPEED] **button, station numbers changed from the first station number on current LCD to range end (All LEDs of BTN are off.).**

Press one of BTN 1-4 (Each BTN 1-4 is assigned to station number 1- 4 on the current LCD), then LED of pressed Flex button is steady on. Dial new station number and press the [SPEED] **button, or press the** [SPEED] **button to delete current station number. (The LED of pressed Flex. button is off.).**

If you want to delete all station numbers, press the [SPEED] **button twice, then all station numbers are cleared.**

If you want to change next 4 station numbers then press [τ] button. If you want to change previous 4 station numbers, then press [σ] button.

STA GRP PILOT NUMBER START & END #(620-634)

- **Change with entering range (ex. Pilot Group Assign). Each code length is in 1~4 digits. Dial the first Station Group Pilot Number and Last Station Group Pilot Number, and press the** [SPEED] **button. Then you can see the changed Station Group Pilot Numbers on the LCD. If you press [τ] button, go to the next Flexible number assign mode (in this case, SLT PGM Mode Select).**

SLT PGM MODE SELECT ENTER NEW #(3)

- **Change a number (Ex SLT PGM Mode select Number). Code length is in the range of 1 digit through 4 digits. Dial SLT PGM Mode Select Number, and press the** [SPEED] **button. Then you can see the changed SLT PGM Mode Select Number on the LCD. If you press [τ] button, go to the next Flexible number assign mode (Internal Page Zone Numbers Assign)**

(4) **If you want to save all changed Flexible numbers to system memory, press the** [HOLD/SAVE] **button. There are no errors in Flexible Numbers, then confirmation tone will be received. But errors are detected, then error tone will be received with no updating system memory.**

BTN	LCD DISPLAY	ITEM
1	100 001 002 003 100 101 102 103	**Station Number**
2	STA GRP PILOT NUMBER START & END #(620-xxx)	**Station Group Pilot Number**
3	SLT PGM MODE SELECT ENTER NEW #(3)	**SLT Program Mode select**
4	INT PAGE ZONES START & END #(401-4xx)	**Internal Page Zone Number**
5	INT ALL CALL ENTER NEW #(43)	**Internal All Call Page**
6	MEET ME PAGE ENTER NEW #(44)	**Meet Me Page**
7	EXT PAGE ZONE 1 ENTER NEW #(46)	**External Page Zone – 1**
8	EXT PAGE ZONE 2 ENTER NEW #(47)	**External Page Zone – 2**
9	EXT ALL CALL ENTER NEW #(48)	**External All Call Page**
10	ALL CALL PAGE ENTER NEW #(49)	**All Call Page (Internal/External)**
11	SMDR ACT CODE ENTER ENTER NEW #(50)	**SMDR Account Code Enter**
12	FLASH CMD TO CO ENTER NEW #(51)	**Flash Command to CO Line**
13	SLT LAST SPD DIAL ENTER NEW #(52)	**Last Number Redial (LNR)**
14	DND ENTER NEW #(53)	**Do-Not-Disturb**
15	CALL FWD ENTER NEW #(54)	**Call Forward**
16	SPD DIAL PGM ENTER NEW #(55)	**Speed Dial Program**
17	MSG WAIT ENABLE ENTER NEW #(56)	**MSG Wait/Call-Back Enable**
18	MSG WAIT RETURN ENTER NEW #(57)	**MSG Wait/Call-Back Answer**
19	SPD DIAL ACCESS ENTER NEW #(58)	**Speed Dial Access**
20	DND/FWD CANCEL ENTER NEW #(59)	**Cancel DND/CFW/Pre-selected MSG Features**

BTN	LCD DISPLAY	ITEM
21	CALL PARK LOCATIONS START & END #(601-xxx)	**Call Park Locations**
22	ALARM RESET ENTER NEW #(65)	**Alarm Reset**
23	GROUP CALL PKUP ENTER NEW #(66)	**Group Call Pick-Up**
24	STATION DVU ENTER NEW #(67)	**DVU Access**

TABLE 2.2.1 The 1st Button Configuration (PGM 01)

BTN	LCD DISPLAY	ITEM
1	NIGHT ANSWER ENTER NEW #(69)	**Night Answer**
2	DIRECT CALL PKUP ENTER NEW #(7)	**Direct Call Pick-Up**
3	ACCESS CO GROUP FEAT START & END #(801-8xx)	**Access CO Group**
4	ACCESS IND CO FEAT START & END #(8801-88xx)	**Access Individual CO Line**
5	ACCESS TIE ROUTE FEAT ENTER NEW #(89)	**Tie Routing Access**
6	ACCESS HELD CO FEAT ENTER NEW #(8##)	**Access Held CO Group**
7	ACCESS HELD IND CO FEAT START & END # (xxxx-xxxx)	**Access Held Individual CO Line**
8	ACCESS CO IN 1ST CO GRP ENTER NEW #(9)	**Access to CO line in the 1st available Co Group**
9	ATTENDANT CALL ENTER NEW #(0)	**Attendant Call**
10	PRINT SMDR (ATD) ENTER NEW #(*0)	**Print SMDR Record (Station Base)**
11	PRINT SMDR ACTGRP (ATD) ENTER NEW #(*1)	**Print SMDR Record (Account Group Base)**
12	DELETE SMDR (ATD) ENTER NEW #(*2)	**Delete SMDR Record (Station Base)**
13	DELETE SMDR AGRP (ATD) ENTER NEW #(*3)	**Delete SMDR Record (Account Group Base)**
14	SEE CALL CHARGE (ATD) ENTER NEW #(*4)	**Display Call Charge on LCD**
15	ABORT PRINTING (ATD) ENTER NEW #(**)	**Abort printing SMDR**

BTN	LCD DISPLAY	ITEM
16	DOOR OPEN 1 ENTER NEW #(#*1)	**Door Open - 1**
17	DOOR OPEN 2 ENTER NEW #(#*2)	**Door Open - 2**
18	DOOR OPEN 3 ENTER NEW #(#*3)	**Door Open - 3**
19	DOOR OPEN 4 ENTER NEW #(#*4)	**Door Open - 4**
20	VM MSG WAIT ENABLE ENTER NEW #(*8)	**VM MSG Wait Enable**
21	VM MSG WAIT CANCEL ENTER NEW #(*9)	**VM MSG Wait Cancel**
22	UCD DND ENTER NEW #(..)	**UCD DND Code for SLT**
23	STATION ISDN FLASH ENTER NEW #(..)	**ISDN Flash Code**

TABLE 2.2.2 The 2nd Button Configuration (PGM 01)

2.3 SLOT ASSIGNMENT (PGM 02)

PROCEDURE

FLEX SLOT ASSIGN COL STA W-PORT GAP

(1) [TRANS/PGM] **+ 02.**

(2) Press one of buttons (1-2) as described at Table 2.3.1. Initially all LEDs are off and the BTN's LED selected will be steady on.

(3) Dial slot numbers with increasing order for logical slot numbers, until permitted maximum slot number. If you want to jump slot assignment, then dial '#' instead of dialing slot number.

(4) Press the [HOLD/SAVE] **button for saving database permanently.**

- **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to step (1) without updating system memory.**

SYS	BTN	DEFAULT	REMARK
GDK-FPII	**1**	**03**	**CO Line Slot Assignment** **Max 34 CO lines or Max 6 slots**
	2	**02**	**Station Slot Assignment** **Max 78 stations or Max 8 slots**
	3	**08**	**Max. number of WTIB stations to be subscribed**
GDK-100	**1**	**08 07 06 12 11**	**CO Line Slot Assignment** **Max 48 CO lines or Max 8 slots**
	2	**01 02 03 04 05 09 10 11**	**Station Slot Assignment** **Max 136 stations**
	3	**08**	**Max. number of WTIB stations to be subscribed**
GDK-162	**1**	**06 07 08 14 15 16 17**	**CO Line Slot Assignment** **Max 96 CO lines**
	2	**02 03 04 05 09 10 11 12 13**	**Station Slot Assignment** **Max 186 stations**
	3	**08**	**Max. number of WTIB stations to be subscribed**

TABLE 2.3.1 Button Configuration for Slot Assignment (PGM 02)

Note: **1. After slot assignment, you should press RESET button or POWER button to reset the system. (In GDK-100/FPII, pressing HOLD/SAVE button after slot assignment, the system is reset automatically.)**

2. To install ISDN boards,

1) To assign the STIB, you should assign both STA and CO slot even the STIB is assigned to only STA slot or CO slot.

2) Assigning the STIB to only STA slot or CO slot, the station number or CO line number is 2 per 1 port.

3) You should re-assign the slot after changing the location or port of ISDN cards.

4) In GDK-162, you should re-assign the slot to use ISDN option board (STIU, PRIU, PRIU) or to remove the ISDN option board while using it.

5) If the system capacity is exceeded while slot assignment, warning tone is heard to the system attendant. Dial 6 5 to stop the warning tone and re-assign the slot not to exceed the system capacity.

2.4 MSN/SUB ADDRESS TABLE (PGM 03)

PROCEDURE

ENTER MSN TABLE ENTRY NO (001 - 128)	**(1)** [TRANS/PGM] **+ 03**
E001>CO:01 IDX:xxx MSN :0 TEL: xxxxxxxxxxxxxxxxxx	**(2) To enter MSN/Sub address table, dial digits (Ex. 001). GDK-162 (001-128), GDK-100 (01-64), GDK-FPII (01-64)**
E001> CO:01 IDX:xxx MSN :0 TEL: xxxxxxxxxxxxxxxxxx	**(3) To enter bin CO line number, press Flex. Button 01 and dial digits (Ex. 01).**
E001> CO:01 IDX:xxx MSN :0 TEL: xxxxxxxxxxxxxxxxxx	**(4) To enter index number of the PGM 05, press Flex. Button 02, and dial index number (Ex. 100).**
E001> CO:01 IDX:xxx MSN :0 TEL: xxxxxxxxxxxxxxxxxx	**(5) To enter MSN/Sub number, press Flex. Button 03, and dial MSN/Sub number (Ex. 1).**
E001> CO:01 IDX:xxx MSN :0 TEL: xxxxxxxxxxxxxxxxxx	**(6) To enter telephone number, press Flex. Button 04 and dial telephone number that is provided by PX.**
E001> CO:01 IDX:xxx MSN :0 TEL: xxxxxxxxxxxxxxxxxx	**(7) Press the** [HOLD/SAVE] **button for updating database permanently.**
ENTER PROGRAM CODE	• **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to *PGM number enter mode* without updating system memory.**
E002> CO:01 IDX:xxx MSN :0 TEL: xxxxxxxxxxxxxxxxxx	• **Press [τ] button will show next MSN/Sub address table status.**

BTN NO.	ITEM	DATA	REMARK
1	**CO Line No.**	**01-96**	**Default: Not assigned**
2	**Index of PGM 05**	**000-999**	**Default: Not assigned**
3	**MSN/Sub Number**	**X(0-9)**	**Default: Not assigned**
4	**Telephone Number**	**XXXXXXXXXXXXXXX**	**Default: Not assigned**

TABLE 2.4.1 Button Configuration of MSN Table (PGM 03)

2.5 FLEXIBLE DID TABLE (PGM 05)

This table is for flexible DID table service.

PROCEDURE

FLEX DID CONVERSION TBL DID_NO DEFAULT CLEAR_DB	**(1)** [TRANS/PGM] **+ 05.** **To edit an entry, press Flex. Button 01.** **To restore default table, press Flex. Button 02.** **To clear all entries, press Flex. Button 03.**
ENTER DID CNV_TBL NO (000 - 999)	**(2) To edit an entry, press Flex. Button 01.**
001 Bxxx C0:xxxxxxxxxxx DAY:xxx NITE:xxx	**(3) To enter flexible DID table, dial digits (000-999). (Ex. 001)**
001 B100 C0:xxxxxxxxxxx DAY:xxx NITE:xxx	**(4) To enter bin number, press Flex. Button 01 and dial digits. (Ex. 00)**
001 B100 C0:HOME DAY:xxx NITE:xxx	**(5) To enter DID name, press Flex. Button 02, program name, and press the** [SPEED] **button after entering name. (Ex. 'HOME')**
001 B100 C0:HOME DAY:101 NITE:xxx	(6) **To enter DAY destination, press Flex. Button 03 and dial station or hunt group name or DVU *announcement number*.**
001 B100 C0:HOME DAY:101 NITE:H620	**(7) To enter NITE destination, press Flex. Button 04 and dial station or hunt group name or DVU *announcement number*. If hunt group name is assigned, then it will be displayed after 'H' prefix. (Ex. 620)**
001 B100 C0:HOME DAY:101 NITE:DVU 1	● **To register the DVU announcement, the user should press the** [DND/FOR] **button and dial the DVU announcement number from 1 to 9. If DVU announcement number is assigned, then it will be displayed after 'DVU" prefix. (Ex. 'DVU 1')**
001 B100 C0:HOME DAY:101 NITE:DVU 1(D)	● **To drop the CO line after the assigned DVU announcement, press the** [DND/FOR] **button and dial the DVU announcement number (1~9) and # key. (Ex. 'DVU 1(D), (D) means drop the CO line after the DVU announcement.)**
001 B100 C0:HOME DAY:101 NITE:DVU 1	**(7) Press the** [HOLD/SAVE] **button for updating database permanently.**

ENTER PROGRAM CODE

- **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to *PGM number enter mode* without updating system memory.**

002 Bxxx C0:xxxxxxxxxxx
DAY:xxx NITE:xxx

- **Press [τ] button will show next DID table status.**

BTN NO.	SUB-BTN	ITEM	DATA	REMARK
1	**1**	**DID Bin Number**	**None**	**Range : 000-299**
	2	**DID Name**	**None**	**Max. 11 characters**
	3	**Day Destination**	**STA No./ Hunt No./ DVU No (1~9)**	1) **Default Table Value** **- STA # & Hunt #** **000-099 : None** **100-291 : STA 100-291 for both day & night** **292-999 : None** **- DVU : 1~9** **(#: To drop the CO line after the assigned DVU Announcement)** 2) **Default Bin Content** **- STA # & Hunt #** **000-099 : None** **100-291: Station 100-291 for both day & night.** **292-299 : none** **- DVU : 1~9** **(#: To drop the CO line after the assigned DVU Announcement)**
	4	**Night Destination**	**STA No./ Hunt No./ DVU No (1~9)**	
2		**Restore Default**		
3		**Clear All Entries**		

TABLE 2.5.1 Button Configuration of Flexible DID Table (PGM 05)

2.6 EMERGENCY CALL (PGM 06)

The table is for emergency call service. A station that has lower COS can dial emergency call.

PROCEDURE

EMERGENCY SVC CALL PRESS FLEX KEY BUTTON 1-10	**(1)** [TRANS/PGM] **+ 06**
EMERGENCY SVC CALL BIN 01: E	**(2) To enter Emergency, enter Flex. Button (1~10)**
EMERGENCY SVC CALL BIN 01: 00119E	**(3) To assign emergency call number, dial the digits (Ex. 00119).**
EMERGENCY SVC CALL BIN 01: 00119E	**(4) Press the** [HOLD/SAVE] **button for updating database permanently.**
ENTER PROGRAM CODE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to *PGM number enter mode* without updating system memory.**

2.7 NEW LCR (PGM 07)

Dialed digits are checked for a match with entries in the 'Leading Digit Table' (LDT). If a match is found then digits can be deleted or added according to entries in the 'Digit Modification Table' (DMT). Different DMT entries can be used according to time of day and day of week.

PROCEDURE

LCR F1:DIS F2:DAY F3:TOD F4:LDT F5:DMT F6:DB_INIT	(1) [TRANS/PGM] + **07.**
LCR F1:OVR F2:DAY F3:TOD F4:LDT F5:DMT F6:DB_INIT	(2) **F1: Change LCR access mode** **Whenever pressing [F1], the LCD will be changed as "DIS" ⇒ "OVR" ⇒ "ALL" (toggle).** **Press the** [HOLD/SAVE] **button to save the changed data.**
DAY_ZONE 1:1234567 2: 3: M1 TU2 W3 TH4 F5 SA6 SU7	(3) **F2: Set the day-of-week zone (3 zones)** **To set the day zone, dial the associated number as weekday following the Flex BTN. (BTN 1 for zone 1, BTN 2 for zone 2, BTN 3 for zone 3)** **For example, if you want to set Saturday as zone 2, then BTN 2 and 6 and press the** [SPEED] **button or the** [HOLD/SAVE] **button.** **→ LCD will be changed as " DAY_ZONE 1:123457 2:6 3: ".**
TIME_ZONE(1-3) TOD1 TOD2 TOD3	(4) **F3: Set the time-of-day zone (3 zones)** **To enter each time zone, press Flex BTN (1 for TOD1, 2 for TOD2, 3 for TOD3).**
TOD1 (24HOUR FORM) 1:00-24 2:..-.. 3:..-..	(5) **To enter value, dial the time range following the Flex BTN. (1 for zone 1, 2 for zone 2, 3 for zone 3)** **For example, if you want to set time zone as Zone 1: 08-18 Zone 2: 18-24 Zone 3: 24-08, then, dial BTN 1, 0818 BTN 2, 1824 BTN 3, 24-08** **→ LCD will be changed as "1:08-18 2:18-24 3:00-08".**

00BOTH CD:….....
DMT: 000000 000000 000000

(6) **F4: Program the Leading Digit Table**

- **Dial bin number xxx following BTN 1 to go to another bin**
- **BOTH: Whenever pressing BTN 2, LCD will be changed as "BOTH ⇒ INT ⇒ COL ⇒ BOTH…."**
- **CD : Dial the leading digits following BTN 3**
- **DMT (dependent to day/time zone)**

For Day zone 1 : Press BTN 4 and 6 digits
(meaning of 6 digits : each pair(2 digits) means the index to the DMT for the each time zone 1/2/3)
For Day zone 2 : Press BTN 5 and 6 digits
For Day zone 3 : Press BTN 6 and 6 digits
(The [SPEED] **button is used to validate the remaining index)**

Note:

1. **The modified one may be stored into a different bin, since GDK ascending sort for the faster lookup.**
2. **To check another bin, then press [UP]/[DOWN] button or dial that bin number following BTN 1.**
3. **About the index of DMT** ***(See the Table 2.7.1)***

LCR DMT TABLE
ENTER BIN NUM (00-24)

(7) **F5: Program Digit-Modification-Table (DMT)**
Select the bin number
(If MEMU is installed, the range will be changed to '00-99')

00A:….....
RP01 RN01 AP01 C01 ALT..

- **Dial xx following BTN 1 to go to another bin.**
- **A (Added digit stream)**
  Dial the digit stream following BTN 2.
- **RP (Removal Position)**
  Dial xx following BTN 3.
- **RN (Removal Number of digits of code in each table)**
  Dial xx following BTN 4.
- **AP (Add Position)**
  Dial xx following BTN 5.
- **C (CO group)**
  Dial CO group xx following BTN 6.
- **ALT (Alternative DMT index)**
  Dial xx following BTN 7. ***(See Table 2.7.1)***

INITIALIZE LCR DB(1-4)
DMT COG ALT ALL

(8) **F6: Initialize LCR database**

- **BTN 1 for DMT**
- **BTN 2 for COG**
- **BTN 3 for ALT**
- **BTN 4 for ALL**

ENTER DMT INIT VAL (18)
000000 000000 000000

8.1) Change all DMT indexes in leading table with a new one.

- **BTN1 and 6 digits for the new DMT index of DAY_ZONE 1**
- **BTN2 and 6 digits for the new DMT index of DAY_ZONE 2**
- **BTN3 and 6 digits for the new DMT index of DAY_ZONE 3**

All DMT indexes of leading-table are changed to a new one, if pressing the [HOLD/SAVE] **button.**

ENTER CO_GRP INIT VAL
..

8.2) Change all CO groups in DMT table with a new one.

- **Dial 2 digits for new CO groups.**
  All CO groups of DMT are changed to a new one, if pressing the [HOLD/SAVE] **button.**

ENTER ALT_INDEX INIT VAL
..

8.3) Change all ALT in DMT table with a new one.

- **Dial 2 digits for new alternative DMT index.**
  All ALT of DMT are changed to a new one, if pressing the [HOLD/SAVE] **button.**

INITIALIZE ALL LCR ?

8.4) Initialize whole LCR database
All LCR database go to the default, if pressing the [HOLD/SAVE] **button.**

BTN	ITEM				DEFAULT	REMARK
1	**LCR Access**				**Disable**	■ **DISABLE : Disable LCR** ■ **OVERRIDE: LCR whose attribute is "COL" can be accessed only through common CO Access Code ('9'/'0').** ■ **ALWAYS: Dial after seizing CO line with dialing common CO Access Code ('9'/'0') and dial internally without seizing CO line.**
2	**Day of Week**					**Zone: 3, Day: 1~7** *** Monday (1), Tuesday (2), Wednesday (3) Thursday (4), Friday (5), Saturday (6), Sunday (7)**
	BTN 1	**Zone 1**			**1234567**	
	BTN 2	**Zone 2**			**None**	
	BTN 3	**Zone 3**			**None**	
3	**Time Zone**				**Zone 1**	**Zone: 3, Time: 00~24** **GDK accepts it as same value for 00 and 24 and changes to "00", if input is 24 as starting value and vice versa.** ******Note :* **The time not belonging to any zone will be considered as zone 1** ******Note* **: 10 - 13 means 10:00:00 - 12:59:59**
	BTN 1	**Time of DOW Zone 1**	**BTN 1**	**Zone 1**		
			BTN 2	**Zone 2**		
			BTN 3	**Zone 3**		
	BTN 2	**Time of DOW Zone 2**	**BTN 1**	**Zone 1**		
			BTN 2	**Zone 2**		
			BTN 3	**Zone 3**		
	BTN 3	**Time of DOW Zone 3**	**BTN 1**	**Zone 1**		
			BTN 2	**Zone 2**		
			BTN 3	**Zone 3**		

BTN	ITEM				DEFAULT	REMARK
4	**LDT (Leading Digit Table)**				**None**	**If MEMU is installed, the range will be 001 - 250**
	BTN 1	**Select other LDT Index**				**LDT Index: 001~025 (250)**
	BTN 2	**LCR Type**			**BOTH**	■ **INT : look up this entry only for internal dialing** ■ **COL : look up this entry only after dialing CO Access Code** ■ **BOTH : look up this entry for both INT and COL**
	BTN 3	**LCR Code**			**None (up to 12)**	**To be compared with the dialed digits by user.**
	BTN 4	**DMT index for Day Zone 1**			**None (6 digits)**	**Each pair (2 digits) is the index to the DMT for each Time Zone 1/2/3. (The [SPEED] button is used to validate the remaining index.)**
	BTN 5	**DMT index for Day Zone 2**				
	BTN 6	**DMT index for Day Zone 3**				
5	**DMT (Digit Modification Table)**					**DMT Index: 00~24 (99)**
	BTN 1	**Select other DMT Index**			**None**	**DMT Index: 00~24 (99)**
	BTN 2	**Added Digit Stream (A)**				**Up to 20 digits**
	BTN 3	**Removal Position (RP)**				**01~12**
	BTN 4	**Number of digits to be removed (RN)**				**01~12**
	BTN 5	**Add Position (AP)**				**01~13**
	BTN 6	**CO Group (C)**				**GDK-162: 01~48 / GDK-100: 01~24** **GDK-FPII: 01~09**
	BTN 7	**Alternative DMT Index (ALT)**				**00~24 (99)**
6	**LCR Database Change/Initialize**					
	BTN 1	**Time of DOW Zone 1**	**BTN 1**	**Zone 1**	**None (6 digits)**	**Each pair (2 digits) is the index to the DMT for the each Time Zone 1/2/3.**
			BTN 2	**Zone 2**		
			BTN 3	**Zone 3**		
	BTN 2	**CO Group Change**				**Change all CO groups in DMT table with a new one**
	BTN 3	**ALT Change**				**Change all ALT in DMT table with a new one**
	BTN 4	**All LCR Database Initialize**				

TABLE 2.7.1 Main LCR (PGM 07)

2.8 SYSTEM ATTRIBUTE - IV (PGM 08)

PROCEDURE

ISDN SYSTEM ATTRIBUTES PRESS FLEX KEY (1-10)	**(1)** [TRANS/PGM] **+ 08.**
PREFIX CODE INSERTION IN: (1:ON/0:OFF) : OFF(0)	**(2) Press Flexible Button (1-10). (Ex. Press button 1)**
MY AREA CODE(MAX 5) 0343	**(3) Ex. Press button 2.**
CO ATD CODE (MAX 2) 0	**(4) Ex. Press button 3.**
DID CONVERSION TYPE TYPE : 0	**(5) Ex. Press button 4.**
CALLING SUB ADDRESS (1:ON/0:OFF): (0:OFF)	**(6) Ex. Press button 5.**
TYPE OF CALLING NUMBER TYPE : NATIONAL NO	**(7) Ex. Press button 6.**
ADVICE OF CHARGE TYPE : NONE	**(8) Ex. Press button 7.**
PREFIX CODE INSERTION OUT: (1:ON/0:OFF) : OFF(0)	**(9) Ex. Press button 8.**
FORCED PAGE INDEX 15	**(10) Ex. Press button 9.**
μ-LAW LINE INSTALLED (1:ON/0:OFF): (0:OFF)	**(11) Ex. Press button 10.**
MY AREA CODE …..	**(12) Press the** [SPEED] **button for delete database in case (2) & (3) . (Ex. Press button 2.)**
ENTER PROGRAM CODE	**(13) Press the** [HOLD/SAVE] **button for updating database permanently.**

BTN	ITEM	RANGE	REMARK
1	**Prefix Code Insertion (incoming)**	**0(OFF) / 1(ON)**	**Default (OFF)**
2	**My Area Code**	**MAX 5 digits**	**Default (empty)**
3	**CO ATD Code**	**MAX 2 digits**	**Default (empty)**
4	**DID Digits Conversion Type**	**0, 1, 2**	**0: same as previous version (1.xx, 2.xx) according to DID Digits Conversion Table (PGM 55) only. (default)** **1: according to PGM 01(Digits Analysis Table)** **2: It is converted with PGM 55 and follow PGM 05.**
5	**Calling Sub-Address**	**0(OFF) / 1(ON)**	**Default (OFF)** **If this field is set ON then GDK sends the calling extension number in calling party sub address information of setup message.**
6	**Type of Calling Number**	**0-4**	**0 : Unknown number** **1 : International type** **2 : National number - default** **3 : Network number type** **4 : Subscriber number type**
7	**Type of AOC**	**0-5**	**0: Do not service AOC** **1: For Italy and Spain** **2: For Finland** **3: For Australia** **4: For Belgium** **5: Standard**
8	**Prefix Code Insertion (Outgoing)**	**0(OFF) / 1(ON)**	**Default (ON)**
9	**Forced Page Index**	**00-20**	**Default (00)** **Default (15) - For CIS**
10	**μ-Law Line Installed**	**0(OFF) / 1(ON)**	**Default (OFF).**
11	**ISDN Sending Mode**	**0 / 1**	**Default (OFF)**
12	**Enblock Inter-digit Timer**		**For Israel**
13	**Prefix Code**	**2 digits**	**Default : 0**
14	**International Access Code**	**4 digits**	**Default: empty** **If the CLI type is '1'(international), the system will add the international access code for correct call back later.**

TABLE 2.8.1 Station Attribute - IV (PGM 08)

2.9 ISDN COLP TABLE (PGM 09)

The table is used for ignoring digits from ISDN DID line.

PROCEDURE

ISDN DID TABLE PRESS FLEX KEY BUTTON 1-10	**(1)** [TRANS/PGM] **+ 09**
ISDN DID TABLE BIN 01: E	**(2) Press Flex. Button (1~10) (Ex. Press button 1).**
ISDN DID TABLE BIN 01: 99072E	**(3) Enter the dial digits.**
ISDN DID TABLE BIN 01: E	**(4) Press the** [SPEED] **button to delete the data.**
ENTER PROGRAM CODE	**(5) Press the** [HOLD/SAVE] **button for updating database permanently.**
ENTER PROGRAM CODE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to *PGM number enter mode* without updating system memory.**

BTN	ITEM	RANGE	REMARK
1	**Empty**	**Max. 10 digits**	
:			
10	**Empty**	**Max. 10 digits**	

TABLE 2.9.1 Button Configuration for ISDN COLP Table (PGM 09)

3. STATION PROGRAM

If station features are to be changed, press the [TRANS/PGM] **button and dial 10-29 in Admin Programming mode. When programming, LCD and LEDs indicate current programmed data and programming status. If the programmer enters correct data, then LCD and LED's show the entered data and the data is stored in the temporary buffer area. To save data permanently, press the** [HOLD/SAVE] **button,** ***then all data in the temporary buffer (same as LCD/LED's status) are stored into system memory.***

3.1 STATION ATTRIBUTE - I (PGM 10)

PROCEDURE

STATION ATT 1 ENTER STA RANGE	**(1)** [TRANS/PGM] **+ 10.**
100-110 DND SYSP PAGE FWD PLA ASPK WARM SMDRH	**(2) Enter station range (Ex. 100-110). Initially LED shows associated item's status of the first station in range.**
	(3) To program, use the BTN as Table 3.1.1. Press BTN 1-8 for toggle setting. (Allow (LED On)/ Deny (LED Off). LEDs of BTN (1-8) related to each feature mean current status)
STATION ATT 1 ENTER STA RANGE	**(4) Press the** [HOLD/SAVE] **button for updating database permanently.**
STATION ATT 1 ENTER STA RANGE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to initial admin state with no updating system memory.**

BTN	ITEM	DEFAULT (LED)	REMARK
1	**DND**	**YES (ON)**	**Enables DND to be activated by the station.**
2	**Speed Dial Access**	**YES (ON)**	**Allows access to system and station speed dial by the station.**
3	**Page Access**	**YES (ON)**	**Allows access to paging by the station.**
4	**Call Forward**	**NO (OFF)**	**Enables Call Forward to be activated by the station.**
5	**PLA**	**YES (ON)**	**The allowance to answer calls by simply lifting handset or pressing the [MON] button with the answering priority.**
6	**Auto Speaker**	**YES (ON)**	**The allowance to access a CO line or place a DSS call by pressing appropriate {CO} or {DSS} button without lifting handset or pressing the [MON] button.**
7	**Warm Line**	**NO (OFF)**	**The allowance that the user lifts handset or presses [MON] button, and *user takes no further action for warm line timer*, then idle line selection for warm line is activated.**
8	**SMDR Hidden Dialed Digits**	**NO (OFF)**	**The allowance to hide CO dialing number on SMDR printing.**

TABLE 3.1.1 Button Configuration (PGM 10)

3.2 STATION ATTRIBUTE - II (PGM 11)

PROCEDURE

STATION ATT 2 ENTER STA RANGE	**(1)** [TRANS/PGM] + **11.**
100-110 QUE WTONE OVRD AHLD DSEC MON SPK HOWL	**(2) Enter station range (Ex. 100-110). Initially LED shows associated item's status of the first station in range.**
	(3) To program, use the BTN as Table 3.2.1. Press BTN 1-8 for toggle setting, *yes (LED on)/no (LED off)*. (LEDs of BTN (1-8) related to each feature mean current status)
STATION ATT 2 ENTER STA RANGE	**(4) Press the** [HOLD/SAVE] **button for updating database permanently.**
STATION ATT 2 ENTER STA RANGE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to initial admin state with no updating system memory.**

BTN	ITEM	DEFAULT (LED)	REMARK
1	**CO Line Queuing**	**YES (ON)**	**The allowance of queuing for a busy CO/group of lines.**
2	**3 min Warning Tone**	**NO (OFF)**	**The allowance to receive warning tone in order to remind the call elapse time in case of outgoing CO conversation.**
3	**Override Privilege**	**NO (OFF)**	**The allowance to override CO line to gain access to the conversation.**
4	**Auto CO Line Hold**	**YES/ATD (ON) NO/Others (OFF)**	**The allowance to place the previous CO calls on hold automatically when selecting another CO line.**
5	**Data Line Security**	**NO (OFF)**	**The allowance to protect from override and camp-on, when busy state.**
6	**Group Listening**	**NO (OFF)**	**The allowance to use group listening (While you are talking on handset, by pressing the [MON] button, other people around you may hear the conversation through the speaker of the key telephone).**
7	**Speakerphone/ Headset**	**Speakerphone (ON)**	**Headset operation or Speakerphone operation**
8	**Howling Tone to SLT**	**YES (ON)**	**The allowance to give howling tone to SLT**
9	**DID Call Waiting**	**No (OFF)**	**The allowance to give DID ring to station when it is busy.**

TABLE 3.2.1 Button Configuration (PGM 11)

3.3 STATION ATTRIBUTE - III (PGM 12)

PROCEDURE

STATION ATT 3 ENTER STA RANGE

(1) [TRANS/PGM] + **12.**

100-110 ALM IBOX COL NTA DVU VOVR DMRX PCALL

(2) Enter station range (Ex. 100-110). Initially LED shows associated item's status of start station in range.

(3) To program, use the Flex buttons as Table 3.3.1. Press Flex BTN 1-8 for toggle setting, *yes (LED on)/no (LED off)*. (LEDs of Flex button(1-8) related to each feature mean current status)

STATION ATT 3 ENTER STA RANGE

(4) Press the [HOLD/SAVE] **button for updating database permanently.**

STATION ATT 3 ENTER STA RANGE

- **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to step (1) with no updating system memory.**

BTN	ITEM	DEFAULT(LED)	REMARK
1	**ALARM/ Door Bell**	**YES (ON)**	**The allowance to receive Alarm/Door Bell signal.**
2	**ICM Box Signaling**	**YES (ON)**	**The allowance to receive ICM box signal.**
3	**CO Line .Access**	**YES (ON)**	**The allowance to access individual CO line by dialing.**
4	**No Touch Answer**	**YES (ON)**	**The allowance to connect the transferred CO line automatically.**
5	**DVU Access**	**NO (OFF)**	**The allowance to access Digital Voice Unit (DVU/EDVU)**
6	**Voice Over**	**NO (OFF)**	**The allowance to use Voice Over feature**
7	**Data Module RX**	**NO (OFF)**	**The allowance to allow Data Module RX**
8	**Prepaid Call**	**NO (OFF)**	**The allowance to use Prepaid CO Call feature.**

TABLE 3.3.1 Button Configuration - III (PGM 12)

3.4 STATION ID (PGM 13)

When the system is initialized, all station's ID will be assigned keyset as default.

PROCEDURE

STATION ID ASSIGN ENTER STA RANGE	**(1)** [TRANS/PGM] **+ 13.**
100-110 KEYSET	**(2) Enter station range (Ex 100-110). Initially LED shows associated item's status of the first station in the range. LED of BTN (one of 1-12) related each ID type will be lit.** ***Note*: If you want to identify a station as a DSS/DLS, you must enter two station numbers as the same number.** **(3) To program, use the BTN as Table 3.4.1 Press one of BTN 1-12, then selected station ID will be displayed and LED of selected BTN will be lit.** ***Note*: When identifying a station as a DSS/DLS, you must enter the station number of the key station the DSS/DLS is associated with, not extension number that the DSS/DLS is using. See also Table 3.4.2 for DSS/DLS default button configuration.** ● **To display each station ID, press Flex. Button 13, then will be displayed 5 station's ID with ascending order for station range which assigning step (2). Press [τ] button continuously, will be displayed next 5 station's ID until last station in range.**
STATION ID ASSIGN ENTER STA RANGE	**(4) Press the** [HOLD/SAVE] **button for updating database permanently.**
STATION ID ASSIGN ENTER STA RANGE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to step (1) with no updating system memory.**

BTN	ITEM	REMARK
1	KEYSET	
2	DSS MAP 1	
3	DSS MAP 2	
4	DSS MAP 3	For GDK-162/100
5	DSS MAP 4	Only for GDK-162
6	DLS MAP 1	
7	DLS MAP 2	Only for GDK-162
8	ICM BOX	
9	SLT (DTMF)	
10	SLT (Pulse)	
11	SLT with MSG Wait Lamp for DTMF	
12	SLT with MSG Wait Lamp for Pulse	
13	Display Station ID	
16	Wireless Terminal	

TABLE 3.4.1 Button Configuration for Station ID (PGM 13)

ITEM	DEFAULT	REMARK
DSS MAP 1	* First 12 Buttons Button 1 : ATD Override Button 2 : All Call Page Button 3 : Call Park 1 Button 4 : Station Group 1 Button 5 : Camp-On Button 6 : Internal All Call Page Button 7 : Call Park 2 Button 8 : Station Group 2 Button 9 : [Release] Button 10 : External All Call Page Button 11 : Call Park 3 Button 12 : Station Group 3 * Other 36 Buttons : Station Ports 0 - 35	
DSS MAP 2	Station Ports 36 - 71, Button 37 - 48 : Empty (for GDK-FPII) Station Ports 36 - 83 (for GDK-162/100)	
DSS MAP 3	Station Ports 84 - 131 (for GDK-162/100)	Empty for GDK-FPII
DSS MAP 4	Station Ports 132 - 179 (for GDK-162)	Empty for GDK-100/FPII
DLS MAP 1	CO Line 01 - 48	
DLS MAP 2	CO Line 49 - 96 (for GDK-162)	

TABLE 3.4.2 Initial Button Configurations for DSS/DLS Map (PGM 13)

3.5 STATION COS (PGM 14)

All stations COS for day and night operation 1 as default. For a particular call, the CO COS is combined with station COS to determine restriction. Each station must be assigned a class of service which governs that station's toll restriction for the day and night operation by entries in PGM 70. (Table 3.5.1 and Table 3.5.2)

STA COS 1	**No restrictions are placed at the station for dialing.**
STA COS 2	**The assignments in the** Allow/Deny Table A **are monitored for allow and deny numbers.**
STA COS 3	**The assignments in the** Allow/Deny Table B **are monitored for allow and deny numbers.**
STA COS 4	**The assignments in both** Allow/Deny Tables A & B **are monitored for allow and deny numbers.**
STA COS 5	**The leading digit dialed can not be a long distance code. The dialed digits can be longer than 8 digits. There is no restriction for the number in Canned Toll Table.**
STA COS 6	**The leading digits can not be a Long Distance code. Only eight digits maximum can be dialed. There is no restriction for the number in Canned Toll Table.**
STA COS 7	**Intercom and paging calls are allowed. No dialing allowed on CO lines. ICM boxes are assigned with this COS.**

TABLE 3.5.1 Station Class-Of-Service (PGM 14)

	CO COS 1	**CO COS 2**	**CO COS 3**	**CO COS 4**	**CO COS 5**
STA COS 1	**No Restriction Applied**	**No Restriction Applied**	**No Restriction Applied**	**Restricts Long Distance code. Only within 8 digits. Possible to dial the number in Canned Toll Table.**	**No restriction applied**
STA COS 2	**Exception Table A governs the dialing**	**Exception Table A governs the dialing**	**No Restriction Applied**	**Restricts Long Distance code. Only within 8 digits. Possible to dial the number in Canned Toll Table.**	**No restriction applied**
STA COS 3	**Exception Table B governs the dialing**	**No Restriction Applied**	**Exception Table B governs the dialing**	**Restricts Long Distance code. Only within 8 digits. Possible to dial the number in Canned Toll Table.**	**No restriction applied**
STA COS 4	**Exception Table A&B governs the dialing**	**Exception Table A governs the dialing**	**Exception Table B governs the dialing**	**Restricts Long Distance code. Only within 8 digits. Possible to dial the number in Canned Toll Table.**	**No restriction applied**
STA COS 5	**Restricts Long Distance code.**	**Restricts Long Distance code.**	**Restricts Long Distance code.**	**Restricts Long Distance code. Only within 8 digits.**	**No restriction applied**

STA COS 6	**Restricts Long Distance code. Only within 8 digits. Possible to dial the number in Canned Toll Table.**	**Restricts Long Distance code. Only within 8 digits. Possible to dial the number in Canned Toll Table.**	**Restricts Long Distance code. Only within 8 digits. Possible to dial the number in Canned Toll Table.**	**Restricts Long Distance code. Only within 8 digits. Possible to dial the number in Canned Toll Table.**	**No restriction applied**
STA COS 7	**In-house dialing & Emergency entries only**	**In-house dialing & Emergency entries only**	**In-house dialing & Emergency entries only**	**In-house dialing & Emergency entries only**	**In-house dialing & Emergency entries only**

TABLE 3.5.2 Toll Checking Table (PGM 14)

PROCEDURE

STATION COS ENTER STA RANGE	**(1)** [TRANS/PGM] **+ 14.**
100-110 STATION COS DAY=1 NIGHT=1	**(2) Enter station range (Ex. 100-110). Initially LED shows associated item's status of the first station in range.**
	(3) To program, use the BTNs as Table 3.5.3. To change the COS for day operation, press BTN 1 and dial COS (1 digit) and to change the COS for night operation, press Flex BTN 2 and dial COS (1 digit). Then changed COS will be displayed on LCD.
STATION COS ENTER STA RANGE	**(4) Press the** [HOLD/SAVE] **button for updating database permanently.**
STATION COS ENTER STA RANGE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to step (1) with no updating system memory.**

BTN	DEFAULT	RANGE	REMARK
1	**1**	**1 - 7**	**Day Class-Of-Service**
2	**1**	**1 - 7**	**Night Class-Of-Service**

TABLE 3.5.3 Button Configuration for Station COS (PGM 14)

3.6 CO LINE GROUP ACCESS (PGM 15)

If you want to change CO line group access of some stations, program this item. Default gives to access CO Line Group 1 for all stations.

PROCEDURE

LINE GROUP ACCESS ENTER STA RANGE	**(1)** [TRANS/PGM] + **15.**
100-110 (GRP 01-24) PRESS FLEX KEY	**(2) Enter station range (Ex 100-110). LEDs of BTN 01-24 show current CO line group 01-24 access of the first station in range.**
	(3) To program CO line group 01-24 access authority, press BTN 01-24 for toggle setting at the CO line group 01-24 Access Programming mode. (LED ON: Station can access CO line group. / LED OFF: Station can not access CO line group.) See Table 3.6.1. **Press [▼] button to program access authority of CO line group 25~48.**
LINE GROUP ACCESS ENTER STA RANGE	**(4) Press the** [HOLD/SAVE] **button for updating database permanently.**
LINE GROUP ACCESS ENTER STA RANGE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to step (1) with no updating system memory.**

SYS	BTN	ITEM	REMARK
162	**1-48**	**CO GROUP 01-48**	**CO GROUP 01 - 48 Access Authority**
100	**1-24**	**CO GROUP 01-24**	**CO GROUP 01 - 24 Access Authority**
FPII	**1-09**	**CO GROUP 01-09**	**CO GROUP 01 - 09 Access Authority**

TABLE 3.6.1 Button Configuration for CO Group Access (PGM 15)

3.7 ICM TENANCY GROUP (PGM 16)

A station may belong to only one ICM tenancy group or none at all. A station in ICM tenancy group (A) can call other stations in other ICM tenancy group (B) if the ICM tenancy group (A) is programmed to be allowed to access ICM tenancy group (B).

In GDK-100/GDK-FPII, system supports only 5 ICM tenancy Groups and tenancy ATDs. In GDK-162, system supports 10 ICM tenancy groups and tenancy ATDs.

PROCEDURE

ICM TENANCY GROUP ENTER STA RANGE	**(1)** [TRANS/PGM] + **16.**
100-110 IGRP01 GATD.... ACEGRP	**(2) Enter station range (Ex. 100-110). LCD shows current status of the first station in range.**
	(3) To program ICM Tenancy Group, use the buttons as Table 3.7.1.
	● **To assign ICM tenancy group to the stations, press BTN 1 and enter Group No., then assigned group number will be displayed on LCD.**
100-110 IGRP01 GATD100 ACEGRP	● **To assign Attendant station of the ICM tenancy group, press BTN 2 and enter the station number (ex. 100), then assigned attendant station number will be displayed on LCD.**
100-110 IGRP01 ENTER ACCESS GROUP 1-xx	● **To assign accessible ICM tenancy groups for the group, press BTN 3. Then the LCD will appear like this, and LEDs of BTNs show current accessible ICM tenancy groups. To change ICM tenancy groups access, press BTN for toggle setting. (LED ON: stations have the authority to access the ICM tenancy group. LED OFF: stations have not the authority to access the ICM tenancy group.). Pressing [σ] button, will goes to step (2) without updating database.**
ICM TENANCY GROUP ENTER STA RANGE	**(4) Press the** [HOLD/SAVE] **button for updating database permanently.**
ICM TENANCY GROUP ENTER STA RANGE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to step (1) with no updating system memory.**

BTN	DEFAULT	RANGE	REMARK

1	**GROUP 01**	**01 - 05**	**ICM tenancy group number which stations belong to.**
2	**-**	**STA No.**	**Attendant station of assigned ICM tenancy group**
3	**GROUP 01**	**BTN 01 - 10**	**ICM tenancy groups allow to access for assigned group**

TABLE 3.7.1 Button Configuration of ICM Tenancy Group (PGM 16)

3.8 INTERNAL PAGE ZONE (PGM 17)

Each station is assigned to internal paging zone. A station can be in any or no zone at all. Internal all call is defined as the sum of all zones. If a station is not in any internal zone, it will not receive any page announcement. The GDK-FPII system supports 5 internal paging zones, GDK-100 supports 15 internal paging zones, and GDK-162 supports 20 internal paging zones.

Default assigns all stations to Internal Page Zone 1.

PROCEDURE

INTERNAL PAGE ZONE ENTER STA RANGE	**(1)** [TRANS/PGM] + **17.**
100-110 PAGE ZONE PRESS FLEX KEY 1-xx	**(2) Enter station range (Ex 100-110). LEDs of BTNs show currently assigned page zones of the first station in range.**
	(3) To assign internal page zone to the stations, press one of BTNs for toggle setting. Each BTN means Internal Page Zone 1-xx. (LED ON: Stations are in the internal page zones. LED OFF: Stations are not in the internal page zones.)
INTERNAL PAGE ZONE ENTER STA RANGE	**(4) Press the** [HOLD/SAVE] **button for updating database permanently.**
INTERNAL PAGE ZONE ENTER STA RANGE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to step (1) with no updating system memory.**

3.9 PRESET CALL FORWARD (PGM 18)

A station can be programmed so that incoming CO lines can be forwarded to a presetting station if the first station does not answer after Preset Call Forward timer. ***No station is assigned as default.***

PROCEDURE

CALL FWD PRESET ENTER STA NUMBER	**(1)** [TRANS/PGM] + **18.**
CALL FWD PRESET FROM 101 TO	**(2) Enter the station number want to forward (Ex.101). LCD shows current status of the station.**
CALL FWD PRESET FROM 101 TO 102	**(3) Enter the preset station number which the first station forward to. (Ex.102)**
CALL FWD PRESET FROM 101 TO	● **To clear the Preset Call Forward station, press the** [SPEED] **button.**
CALL FWD PRESET ENTER STA NUMBER	**(4) Press the** [HOLD/SAVE] **button for updating database permanently.**
CALL FWD PRESET ENTER STA NUMBER	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to step (1) with no updating system memory.**

3.10 HOT LINE / WARM LINE (PGM 19)

This feature lets a station perform a pre-assigned feature as soon as lifting handset or pressing the [MON] **button as if a station selects the feature (Hot Line). On the other hand, Idle Line Selection for a station which is assigned to warm line, is activated when takes no action for Warm Line Timer after lifting handset or pressing the** [MON] **button (Warm Line). Warm line is programmable at PGM 10-BTN 7.** ***All stations are not assigned any Idle Line Selection by default.***

PROCEDURE

IDLE LINE SELECTION ENTER STA RANGE	**(1)** [TRANS/PGM] **+ 19.**
100-110 IDLE LINE KEY.. CO.. COG.. STA....	**(2) Enter station range (Ex.100-110). LCD and LEDs of BTN 1-4 show idle line selection of the first station in range.**
	(3) To program Idle Line Selection, use the BTN as Table 3.10.1. To assign Idle Line Selection, press one of BTN 1-4 and enter related data. Then selected BTN's LED will be lit and the related data will be displayed on LCD. Otherwise, to delete any Idle Line Selection, press the lighting button and the [SPEED] **button, then Idle Line Selection assignment will be deleted. SLT can't select key assign for Idle Line Selection.**
IDLE LINE SELECTION ENTER STA RANGE	**(4) Press the** [HOLD/SAVE] **button for updating database permanently.**
IDLE LINE SELECTION ENTER STA RANGE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to step (1) with no updating system memory.**

BTN	ITEM	RANGE			REMARK
		GDK-FP II	GDK-100	GDK-162	
1	**Flex. BTN**	**01 - 24**			**To activate a feature on a flex button as if pressed**
2	**CO Line**	**01 - 34**	**01 - 48**	**01 - 96**	**To seize a CO Line**
3	**CO Group**	**01 - 10**	**01 - 24**	**01 - 48**	**To seize a CO Line Group**
4	**Station**	**100-167**	**100-171**	**100-291**	**To call an another station**

TABLE 3.10.1 Button Configuration for Hot Line/Warm Line (PGM 19)

3.11 SMDR ACCOUNT GROUP (PGM 20)

Stations can be assigned as member of call account group on SMDR. A station can belong to only one call account group. ***All stations are not assigned as member of any Call Account Group by default.*** **In GDK-100/FPII, system supports 24 SMDR Account Groups and in GDK-162, system supports 99 SMDR Account Groups.**

PROCEDURE

SMDR ACCOUNT GROUP ENTER STA RANGE	**(1)** [TRANS/PGM] **+ 20.**
100-110 SMDR ACTGRP ..	**(2) Enter station range (Ex.100-110). LCD shows current account group status of the first station in range.**
	(3) To assign Call Account Group; enter group number, then assigned Call Account Group Number will be displayed on LCD. Otherwise, to cancel assignment of Call Account Group, press the [SPEED] **button then will be displayed on LCD.**
SMDR ACCOUNT GROUP ENTER STA RANGE	**(4) Press the** [HOLD/SAVE] **button for updating database permanently.**
SMDR ACCOUNT GROUP ENTER STA RANGE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to step (1) with no updating system memory.**

3.12 STATION ATTRIBUTE - IV (PGM 21)

PROCEDURE

STATION ATT 4 ENTER STA RANGE	**(1)** [TRANS/PGM] + **21.**
100-110 DIDR ACD_TN COPGM ADM UCD RING0 CCDT	**(2) Enter station range (Ex.100 - 110). LCD shows current status of the first station in range.**
	(3) To program, use the Flex Buttons as Table 3.12.1. Press BTN 1-5, 7 for toggle setting, *yes (LED on)/no (LED off), except BTN 6*. To program the station's own ring type, press BTN 6 and dial ring type 1-4. By default ring type is not assigned to (0).
STATION ATT 4 ENTER STA RANGE	**(4) Press the** [HOLD/SAVE] **button for updating database permanently.**
STATION ATT 4 ENTER STA RANGE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to step (1) with no updating system memory.**

BTN	ITEM	DEFAULT(LED)	REMARK
1	**DID Ring**	**YES (ON)**	**The allowance that the station call through DID line is presented at station. If this field is set to No, the call is transferred to attendant.**
2	**ACD Warning Tone**	**YES (ON)**	**Determines that the ACD supervisor monitors an agent with warning tone or without warning tone.**
3	**CO PGM**	**NO (OFF)**	**Determines that each station user can program CO button or not.**
4	**ADMIN**	**NO (OFF)**	**The allowance the station to program Admin Database. This feature is available at only DKTU.**
5	**UCD_ON**	**NO (OFF)**	**If this flag is set to Yes, system may get a hunt group number whom a called one is belonging to and convert it to a hunt group call as if an external party dials a hunt group number.**
6	**Ring Type**	**0 (0 - 4)**	**The station can give own ring type signal to other stations in system through this field calling party based). This ring type can be programmed at PGM 76.**
7	**CO Call Drop Timer Enable**	**NO (OFF)**	**If this flag is set to YES, station's outgoing CO call may be disconnected when CO call drop timer (PGM 43-BTN 33: GDK-162, BTN 28: GDK-100/FPII) is expired.**

TABLE 3.12.1 Button Configuration for Station Attribute - IV (PGM 21)

3.13 CTI STATION ATTRIBUTE (PGM 22)

This sets the features/modes used when a CTIU is connected at a key station.

PROCEDURE

CTI STATION ATT ENTER STA RANGE	**(1)** [TRANS/PGM] + **22.**
100-110 (KEY 01-02) CTI MODE B1200	**(2) Enter station range (Ex.100 - 110). LCD shows current status of the first station in range.**
	(3) To program, use the Flex Buttons as Table 3.13.1. To program the CTI station's mode, press Flex. Button 1 and dial CTI mode 1-3. By default, CTI station's mode is CTI mode (2). **To program the CTI station's baud rate, press Flex. Button 2 and dial baud rate 1-3. By default, CTI station's baud rate is 1200 (1).**
CTI STATION ATT ENTER STA RANGE	**(4) Press the** [HOLD/SAVE] **button for updating database permanently.**
CTI STATION ATT ENTER STA RANGE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to step (1) with no updating system memory.**

BTN	ITEM	DEFAULT(LED)	RANGE	REMARK
1	**CTI Station Mode**	**2 (OFF)**	**1-3**	**Determines the CTI keyset mode** **1: Inactive, 2: CTI Mode, 3: At Mode**
2	**CTI Station's Baud Rate**	**2 (OFF)**	**1-3**	**Determines the baud rate of the CTI keyset** **1: 1200, 2: 2400, 3: 4800**

TABLE 2.13.1 Button Configuration for CTI Station Attribute (PGM 22)

3.14 ISDN STATION ATTRIBUTE - V (PGM 23)

PROCEDURE

ISDN STATION ATTRIBUTES ENTER STA RANGE	(1) [TRANS/PGM] + **23.**
ISDN STATION ATTRIBUTES PRESS FLEX KEY (1-10)	(2) **Enter station range (Ex. 100-110).**
100-110 : SUB ADDRESS (1:ON/0:OFF) : OFF(0)	(3) **To program sub address, press the 1st Flex BTN. LCD will show the current status.**
100-110 : LONG / SHORT (1:LONG/0:SHORT): SHORT	(4) **To select long or short line, press the 2nd Flex BTN. LCD will show the current status.**
100-110 : MSN FOR ISDN (1:ON/0:OFF) : OFF(0)	(5) **To program MSN, press the 3rd Flex BTN. LCD will show the current status.**
100-110 : EXT OR CO ATD (1:EXT/0:CO ATD) : EXT	(6) **To select EXT (extension number) or CO ATD(3rd field of PGM 08) to make outgoing CLI or COLP information, press the 4th Flex BTN. LCD will show the current status.**
100-110 : PROGRESS IND (1:ON/0:OFF) : OFF	(7) **To program PROGRESS IND, press the 5th Flex BTN. LCD will show the current status.**
100-110 : CO MSG WAIT (1:ON/0:OFF) : OFF	(8) **To program CO MSG WAIT, press the 6th Flex BTN. LCD will show the current status.**
100-110 : STA BASE CLIP (1:ON/0:OFF) : ON	(9) **To program STA BASE CLIP, press the 7th Flex BTN. LCD will show the current status.**
100-110 : STA BASE COLP (1:ON/0:OFF) : OFF	(10) **To program STA BASE COLP, press the 8th Flex BTN. LCD will show the current status.**
100-110 : STA BASE CPN (1:ON/0:OFF) : OFF	(11) **To program STA BASE CPN, press the 9th Flex BTN. LCD will show the current status.**
100-110 : STA BASE CLIR (1:ON/0:OFF) : OFF	(12) **To program STA BASE CLIR, press the 10th Flex BTN. LCD will show the current status.**
100-110 : CLI NAME DISP (1:ON/0:OFF) : OFF	(13) **To program STA CLI NAME DISPLAY, press the 11th Flex. BTN. LCD will show the current status.**
ISDN STATION ATTRIBUTES ENTER STA RANGE	(14) **Press the** [HOLD/SAVE] **button for updating database permanently.**

ISDN STATION ATTRIBUTES
ENTER STA RANGE

- **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to initial admin state with no updating system memory.**

BTN	FIELD	REMARK
1	**Sub Address**	**This field is determined that ISDN station uses Sub Address or not.** **1: SUB ADDRESS ON, 0: SUB ADDRESS OFF.** **Default value : OFF**
2	**Long / Short**	**This field is determined that ISDN Station is short passive mode or not.** **1: LONG, 0: SHORT.** **Default value : SHORT**
3	**MSN**	**This field is determined that ISDN station uses MSN or not.** **1: MSN ON, 0: MSN OFF** **Default value : OFF**
4	**EXT or CO ATD**	**Selects EXT(extension number) or CO ATD(PGM 08-BTN 3) to make out going CLI or COLP information** **1: EXT (extension), 0: CO ATD CODE (PGM 08-BTN 3)** **Default value : ON (Extension number)**
5	**PROGRESS IND**	**This field is determined that GDK send progress indication information in setup message for SLT (FAX or MODEM).** **1: Send progress indication, 0: Not send progress indication.** **Default value : OFF**
6	**CO MSG WAIT**	**This field is determined that a station receive CO message wait or not.** **1: Use CO message wait, 0: Not use CO message wait.** **Default value : OFF**
7	**STA BASE CLIP**	**This field is determined that a station will show "Calling Party Number" in LCD or not.** **To see the CLI on LCD it should be set both PGM 41-BTN 6 (System base CLIP) and this.** **1: Calling party number will be shown in LCD if CLIP (PGM 41-BTN 6) is ON.** **0: Calling party number will not be shown in LCD** **Default value : ON**
8	**STA BASE COLP**	**This field is determined that a station will show "Connected party number" in LCD or not.** **1: Connected party number will be shown in LCD,** **0: Connected party number will not be shown in LCD.** **Default value : OFF**
9	**STA BASE CPN**	**This field is determined that GDK send called party number with MSN/Sub address or not.** **1: Send called party number with MSN/Sub address.** **0: Send only MSN/Sub address.** **Default value : OFF**

BTN	FIELD	REMARK
10	**STA BASE CLIR**	**This field is determined that a station restricts the Caller Line Identification or not.** **0: Disable the Caller Line Identification Restriction** **1: Enable the Caller Line Identification Restriction** **Default value: OFF**
11	**STA CLI NAME DISP**	**This field is determined that display the caller's name or CLI.** **0: Display CLI or line number according to the 7th field.** **1: Display the caller's name** **Default value: ON**

TABLE 3.14.1 Button Configuration for ISDN Station Attributes (PGM 23)

3.15 STATION ATTRIBUTE - VI (PGM 24)

PROCEDURE

STATION ATT 6 ENTER STA RANGE	**(1)** [TRANS/PGM] + **24.**
100-110 : CO NAME BIN 00 COLR HSR COG FAC	**(2) Enter station range (Ex.100 - 110). LCD shows current status of the first station in range. To program, use the Flex Buttons as Table 3.15.1.**
100-110 : CO NAME BIN 00 COLR HSR COG FAC	**(3) Press BTN 1 and dial 00~10. To use CO Name Display, PGM 74 should be programmed previously.**
100-110 : CO NAME BIN 00 COLR HSR COG FAC	**(4) Press BTN 2 for toggle setting. YES (LED On)/NO (LED Off) to program COLR.**
100-110 : CO NAME BIN 00 COLR HSR COG FAC	**(5) Press BTN 3 for toggle setting, YES (LED On)/NO (LED Off) to program the Headset Ring Mode.**
100-110 : CO NAME BIN 00 COLR HSR COG FAC	**(6) Press BTN 4 for toggle setting, YES (LED On)/NO (LED Off) to program COG (CO Group access using CO Access Code).**
100-110 : CO NAME BIN 00 COLR HSR COG FAC	**(7) Press BTN 5 for toggle setting, YES (LED On)/NO (LED Off) to program the FAC (Sending Keypad Facility).**
STATION ATT 6 ENTER STA RANGE	**(8) Press the** [HOLD/SAVE] **button for updating database permanently.**
STATION ATT 6 ENTER STA RANGE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to step (1) with no updating system memory.**

BTN	ITEM	DEFAULT(LED)	REMARK
1	**CO NAME BIN**	**00**	**To assign CO name per station (Refer to PGM 74)** **Range: 00-10 (00: Not assigned, 01-10: Indicate an entry of PGM 74)**
2	**COLR**	**0 (OFF)**	**This field is determined that a station restricts the Connected Line Identification Restriction or not.** **0: Disable the Connected Line Identification Restriction** **1: Enable the Connected Line Identification Restriction**
3	**HSR** **(Headset Ring)**	**OFF**	**ON: Provide ring signal to Headset** **OFF: Provide ring signal to Speaker, not Headset**
4	**COG**	**ON**	**COG (Access authority for CO group using CO Line Access Code)** **ON: Enable Access authority for CO group** **OFF: Disable Access authority for CO group**
5	**FAC**	**OFF**	**FAC (Access authority for Sending Keypad Facility)** **ON: Enable to send Keypad Facility** **OFF: Disable to send Keypad Facility**

TABLE 3.15.1 Button Configuration for Station Attribute - VI (PGM 24)

3.16 LINKED STATION PAIRS (PGM 28)

PROCEDURE

LINKED PAIRING: . . . . / . . . . VIEW	**(1)** [TRANS/PGM] **+ 28.**
LINKED PAIRING: 100 / . . . . VIEW	**(2) Enter a station number: It will be displayed left side.** **(Ex. Enter 100)** **(2-1) If entered station doesn't have linked station, then you can enter its linked station number. (Ex. Enter 110 for linked station of 100 then linked station number will be displayed right side)** **If entered linked station has its linked station, then previous linked pair will be deleted automatically.**
LINKED PAIRING: 100 / 110 VIEW	**(2-2) If entered station has linked station already, then linked station number will be displayed automatically right side. To delete Linked Pair, press the** [SPEED] **button and the** [HOLD/SAVE] **button.**
LINKED PAIRING: . . . . / . . . . VIEW	**(3) Press the** [HOLD/SAVE] **button for updating/saving current linked pair permanently. And then system goes to step (1).**
ENTER PROGRAM CODE	**(4) Press [σ] button, then system goes to *ADMIN number enter mode* without updating system memory**
100 108 150 152 110 155 151 160	**(5) . To view all linked pair list, use BTN 1.** **BTN 1: VIEW: All linked pairs will be displayed, two station numbers of each column means linked pair.(ex. 100 & 110, 108 & 155, 150 & 151, 152 & 160)** **Press [τ] button to view the next 4 linked pairs.**
ALL LINKED PAIRS DELETE PRESS [HOLD/SAVE] BTN	**(6) To delete all linked pairs, press the** [SPEED] **button.** **If you press the** [SPEED] **button, confirmation message will be displayed. And then pressing** [HOLD/SAVE] **button, all linked pairs will be deleted. If you press the other button instead of the** [HOLD/SAVE] **button, program state will be changed to step (5).**

BIN	ITEM	RANGE	REMARK
1	**Review Linked Station Pairs**		**All Linked Station Pairs are displayed.**

TABLE 3.16.1 Linked Station Pairs (PGM 28)

3.17 FLEX BUTTON ASSIGNMENT (PGM 29)

Each Flex. Button of key station can be assigned identified as one of the followings.

No.	Type	RANGE			REMARK
		FP II	100	162	
1	**User Button**	**-**			**User can program by button programming procedure.**
2	**{CO xx} Button**	**01 - 34**	**01 - 48**	**01 - 96**	**CO Line**
3	**{CO Grp xx}**	**01 - 09**	**01 - 24**	**01 - 48**	**CO Group**
4	**{LOOP}**	**-**			
5	**{STAxxxx}**	**100 -133**	**100 -171**	**100-291**	**Station No.**
6	**Sta PGM Button**				**Station Programming Code**
7	**{SPDxxx}**	**00 -19 / 200 -399**	**00 -19 / 200-399**	**00 - 19/ 200-999**	**Speed Bin**

TABLE 3.17.1 Button Type for Flexible Button Assignment (PGM 29)

PROCEDURE

FLEX BUTTONS ENTER STA RANGE	**(1)** [TRANS/PGM] + **29.**
100-110 (KEY 01-24) PRESS FLEX KEY	**(2) Enter station range (Ex.100 -110).**
100-110 (KEY 25-48) PRESS FLEX KEY	● **In this status, if you press [τ] button, then you go to the BTN 25-48 programming mode.**
100-110 (KEY 01-24) BUTTON 01 = CO 01	**(3) To program Flex. Button, press the BTN which you want to program (Ex. BTN 1). The LCD will display current BTN assignment of the first station in range, and LED of the BTN (ex BTN 1) will be lit. (See Table 3.13.3). Enter data, then entered data will be displayed on LCD. (See Table 3.13.3)**
FLEX BUTTONS ENTER STA RANGE	**(4) Press the** [HOLD/SAVE] **button for updating database permanently.**
FLEX BUTTONS ENTER STA RANGE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to step (1) with no updating system memory.**

BTN	8 Button (Analog)	12 Button (Analog/Digital)	24 Button (Analog/Digital)
1	**{LOOP}**	**{CO 1}**	**{CO 1}**
2	**[SPEED]**	**{CO 2}**	**{CO 2}**
3	**{CO 1}**	**{CO 3}**	**{CO 3}**
4	**[FLASH]**	**{CO 4}**	**{CO 4}**
5	**{CO 2}**	**{CO 5}**	**{CO 5}**
6	**[MON]**	**{CO 6}**	**{CO 6}**
7		**{CO 7}**	**{CO 7}**
8		**{CO 8}**	**{CO 8}**
9		**{CO 9}**	**{CO 9}**
10		**{CO 10}**	**{CO 10}**
11		**{CO 11}**	**{CO 11}**
12		**{LOOP}**	**{LOOP}**
13 - 24		**-**	**Empty**

TABLE 3.17.2 Initial Button Configuration (PGM 29)

	BTN	TYPE	DATA
Button 01 - 24	**1 - 24**	**1 : User Button**	**-**
		2 : {COxx}	**CO Line**
Button 25 - 48	**1 - 24**	**3 : {COGRPxx}**	**CO Group**
		4 : {LOOP}	**-**
		5 : {STAxxx}	**Station No**
		6 : STA PGM Button	**Station Programming Code** *
		7 : {SPDxxx}	**Speed Bin No.**

***) List of Station Programming Code is at Table 1.4.2 (P.7).**

TABLE 3.17.3 Button Configuration for Flexible Button Assignments (PGM 29)

4. CO LINE PROGRAMMING

If CO line features are to be changed, press the [TRANS/PGM] **button and dial 30-39 in Admin Programming Mode. When programming, LCD and LEDs indicate current programmed data and programming status. If the programmer enters correct data, then LCD and LED's show the entered data and the data is stored in the temporary buffer area. To save the data permanently, press the** [HOLD/SAVE] **button,** ***then all data in the temporary buffer (same as LCD/LEDs show their status) are stored into system memory.***

4.1 CO LINE ATTRIBUTE - I (PGM 30)

In this program mode, you can program the following items.

BTN	ITEM	REMARK
1	**CO Group**	**Groups should be assigned according to CO type and Class-Of-Service, etc.** GDK-100 **- Group 00: Private Line (Only can accessed by the user having a direct {CO} button.)** **- Group 01-24** **- Group 25: Not available CO Line in any CO Line Group** GDK-162 **- Group 00: Private Line (Only can accessed by the user having a direct {CO} button.)** **- Group 01-48** **- Group 49: Not available CO Line in any CO Line Group** GDK-FPII **- Group 00: Private Line (Only can accessed by the user having a direct {CO} button.)** **- Group 01-09** **- Group 10: Not available CO Line in any CO Line Group**
2	**CO COS**	**There are 5 possible classes of service which a line may be assigned:** **- CO COS 1: no restriction** **- CO COS 2: Exception Table A governs; STA. COS 2 and 4 monitored.** **- CO COS 3: Exception Table B governs; STA. COS 3 and 4 monitored.** **- CO COS 4: restricts Long Distance Code as the first digit, 8 digits limitation.** **- CO COS 5: overrides STA. COS 2,3,4 and 5, 6.** **For a particular call, the CO COS is combined restriction for the particular call. (Refer to TABLE 3.5.2).** ***(All lines are assigned as CO Line COS 1 by default.)***
3	**CO Group Enter**	**When accessed a CO line, you should enter authorization code if this flag is set to YES.** ***(All lines are assigned to No authorization code enter when access a CO Line by default.)***
4	**DISA-xx**	**Each CO line in the system can be programmed as DISA (Direct Inward System Access) line and the DISA types are as follows;** **- 0 (No DISA:U) / 1 (Night Only: N) / 2 (Day & Night: B) / 3 (Special: S)* / 4 (Day Only: D)** **- 0 (Dial-Tone) / 1-9 (DVU Announce 1-9)**
5	**DISA Account Enter**	**When accessed another CO line in the system by DISA line, you should enter authorization code if this flag is set.** ***(All lines are assigned to No authorization code enter when accessing a DISA Line by default.)*** **See also PGM 43-BTN 23 for CO/Tie line COS when using DISA.**

6	**CO Line Name**	**When an incoming CO line occurs, the name of CO line can be displayed on the LCD. Each CO line can be assigned any name group. There are 10 (01-10) groups in system and CO line name (max. 12 characters) can be assigned by PGM 74.** ***(All lines are not assigned with CO line name by default.)***

***) In "Special" mode in DISA type; selected voice announcement for Day mode and fixed voice announcement no.2 for Night mode are heard.**

TABLE 4.1.1 CO Line Attribute - I (PGM 30)

PROCEDURE

CO LINE ATT 1 ENTER CO RANGE	**(1)** [TRANS/PGM] **+ 30.**
01-05 GRP01 COS1 COACT DISA:U0 DISAACT NAME00	**(2) Enter CO line range (Ex. 01-05). Initially LEDs of BTN 3, 5 and LCD indicate current programming status of the first CO line in range.**
	(3) To program, use the BTN as Table 4.1.2. Press BTN 3 or 5 for toggle setting, ***yes (LED on) /no (LED off)*****. Press BTN 1, 2, 4, or 6 and enter related data for setting, then will be displayed entered data on LCD. (LEDs of BTN 3, 5 related to each feature and LCD show current status)**
CO LINE ATT 1 ENTER CO RANGE	**(4) Press the** [HOLD/SAVE] **button for updating database permanently.**
CO LINE ATT 1 ENTER CO RANGE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to step (1) with no updating system memory.**

BTN	ITEM	DEFAULT (LED)	RANGE			REMARK
			GDK-100	GDK-162	GDK-FPII	
1	**CO Line Group**	**1**	**00 - 25**	**00 - 49**	**00 - 10**	**Last group for unassigned lines**
2	**CO COS**	**1**	**1 - 5**			
3	**CO Account Code Flag**	**NO (OFF)**	**YES / NO**			
4	**DISA-xx**	**U0 (OFF)**	**0 - 4, 0 - 9**			
5	**DISA Account Code Flag**	**YES (ON)**	**YES / NO**			
6	**CO Name Number**	**00 (OFF)**	**00 - 10**			

TABLE 4.1.2 Button Configuration For CO Attribute - I (PGM 30)

4.2 CO LINE ATTRIBUTE - II (PGM 31)

PROCEDURE

CO LINE ATT 2 ENTER CO RANGE	**(1)** [TRANS/PGM] + **31.**
01-05 CO DTMF UNA GRND MTR:NO VOC DROP N-DVU	**(2) Enter CO line range (Ex. 01-05). Initially LEDs of BTN 1-4, 6, 8 and LCD indicate current programming status of the first CO line in range.**
	(3) To program, use the BTN as Table 4.2.2. BTN 1-4, 6-8 toggle on and off. Press BTN 5 and enter related data for setting metering signal, then it will be displayed entered data on LCD. ***Note*. Private lines should not be programmed for UNA operations.**
CO LINE ATT 2 ENTER CO RANGE	**(4) Press the** [HOLD/SAVE] **button for updating database permanently.**
CO LINE ATT 2 ENTER CO RANGE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to step (1) with no updating system memory.**

BTN	ITEM	RANGE	DEFAULT (LED)	REMARK
1	**CO Type**	**CO/PBX**	**CO (ON)**	**When marked PBX, a 1 or 2 digit dial code may be entered after which toll restriction is applied.**
2	**CO Dial Type**	**DTMF/Pulse**	**DTMF (ON)**	**Each CO line can be programmed to be either DTMF (tone) or dial pulse.**
3	**UNA**	**YES/NO**	**NO (OFF)**	**The allowance of Universal Night Answer service**
4	**CO Flash Type**	**Ground/ Loop**	**Loop (OFF)**	**Flash types of CO line are Loop Flash (timed-break) and Ground Flash**
5	**Metering Type**	**0 - 6**	**0 (OFF)**	**There are 7 metering signal types;** **- 0 : None** **- 1 : 50 Hz** **- 2 : 12 KHz** **- 3 : 16 KHz** **- 4 : Singular Polarity Reverse (SPR)** **- 5 : Plural Polarity Reverse (PPR)** **- 6 : No Polarity Reverse (NPR)**
6	**Voice/Data**	**Voice/Data**	**Voice (ON)**	**Determines that the CO line use for voice or data. (Only for cept)**
7	**Line Drop using CPT**	**YES/NO**	**NO (OFF)**	**If this field set to Yes, CPT checks the incoming CO line when answered and if CPT detects dial tone, then system drops the line for toll restriction.**

8	**Night DVU**	**YES/NO**	**NO (OFF)**	**If this field set to Yes, an outside caller only receives DVU message (in system annc. 2) and then the line is dropped at night mode.**

TABLE 4.2.1 Button Configuration for CO Attribute - II (PGM 31)

4.3 CO LINE RING ASSIGNMENT (PGM 32)

The telephones can be assigned to signal incoming CO ringing during day and night mode operation. If assigned to ring, the designated stations will ring (CO Line ringing) when the assigned CO line rings into the system. ***All incoming CO rings signal to the 1st attendant station (station # 101: port 1) during day and night mode by default and the other stations are not assigned any ring both day and night mode.***

PROCEDURE

CO LINE RING ENTER CO RANGE	**(1)** [TRANS/PGM] **+ 32.**
01-05 ASSIGN RING PRESS FLEX KEY 1-2	**(2) Enter CO line range (Ex. 01-05).**
	(3) To program, use the BTN 1-2. User can assign CO ringing to Stations (BTN 1) or Pilot Group/Station (BTN 2).
01-05 ASSIGN RING ENTER STA RANGE	● **To assign CO ring to stations, press BTN 1. Enter the station range. (Ex. 100-110)**
01-05 ASSIGN RING 100-110 U0:U0:U0	● **Dial 2 digits to assign ringing status and delay ring counter for the first station in range. (See Table 4.3.1)**
01-05 ASSIGN RING ENTER HUNT GRP# / STA#	● **To assign CO ring to station member of hunt group, press BTN 2.** *Note*: **Selected station group for CO Ring Assignment should be assigned as hunt group at PGM 47 already.**
01-05 ASSIGN RING ENTER HUNT GRP# / STA#	● **To assign CO ring to Hunt group or pilot number, press Flex. Button 2.** *Note*: **Selected station group for CO Ring Assignment should be assigned as hunt group at PGM 47 already.**
01-05 ASSIGN RING HUNT 620 U:U:U	● **To assign CO ring to the Hunt group, dial "y" to assign ringing mode for the selected hunt group. (See Table 4.3.1) (There is no delay ring available in this case.)**

01-05 ASSIGN RING STA 120 U:U:U

- **To assign CO ring to any station of hunt group, enter a station number. Dial "y" to assign ringing mode for the selected station. (See Table 4.3.1)**

CO LINE RING ENTER CO RANGE

(4) Press the [HOLD/SAVE] **button for updating database permanently. System goes to Step 1).**

01-05 ASSIGN RING PRESS FLEX KEY 1-2

(5) Press [σ] button instead of the [HOLD/SAVE] **button, then system goes to step 2) with no updating system memory.**

yd	ITEM	RANGE	REMARK	LCD DISPLAY FORMAT
y	Ringing Status	0-4	**0: Unassigned** **1: Day Ring assignment** **2: Night Ring assignment** **3: Day & Night Ring assignment** **4: On-demand Ring assignment**	**U : Unassigned** **D : Day Ring** **N : Night Ring** **O : On-Demand Ring** **H : Ring assigned to Hunt group** **S : Ring assigned to Station**
d	Delay Ring Counter	0-9	**about 3sec./counter**	***Note*: for station only, not hunt groups**

TABLE 4.3.1 Description of Data 'y' & 'd' (PGM 32)

4.4 CO FLASH TIMER (PGM 33)

User can initiate an open loop or ground flash across a CO line for receiving CO dial tone or transferring a PABX. In this case, flash maintains for CO Flash Timer.

PROCEDURE

CO FLASH TIMER ENTER CO RANGE	**(1)** [TRANS/PGM] + **33.**
CO FLASH TIMER 00-30 01-05 : 05 (100MS)	**(2) Enter CO line range (Ex.01-05). LCD shows current flash times.**
	(3) Enter CO Flash Timer value (00-30), then entered data will be displayed on LCD. (Default: 05 (100ms base))
CO FLASH TIMER ENTER CO RANGE	**(4) Press the** [HOLD/SAVE] **button for updating database permanently.**
CO FLASH TIMER ENTER CO RANGE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to step (1) with no updating system memory.**

4.5 OPEN LOOP DETECT TIMER (PGM 34)

The system can recognize the status of a CO line (normally open or closed) by open loop detect timer.

PROCEDURE

OPEN LOOP DETECT ENTER CO RANGE	**(1)** [TRANS/PGM] + **34.**
OPEN LOOP DETECT 00-20 01-05 : 00 (100MS)	**(2) Enter CO line range (Ex. 01-05). LCD shows current open loop detect time.**
	(3) Enter Open Loop Detect Timer value (00-20), then entered data will be displayed on LCD. (Default : 00 (100ms base))
OPEN LOOP DETECT ENTER CO RANGE	**(4) Press the** [HOLD/SAVE] **button for updating database permanently.**

OPEN LOOP DETECT ENTER CO RANGE

- **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to step (1) with no updating system memory.**

4.6 TIE LINE ASSIGNMENT (PGM 35)

It provides private two-way communication link between your system and other systems. Incoming TIE trunk calls are directed to the attendant, a station, or a CO trunk. Outgoing calls on a TIE trunk are accessed by CO Access code (801 - 8xx , 88XX) or TIE Routing code (89).

PROCEDURE

CO/TIE LINE ASSIGN ENTER CO RANGE	**(1)** [TRANS/PGM] + **35.**
01-05 COLINE ASSIGN NM RD LD EMC POL EMD DID	**(2) Enter CO line range (Ex. 01-05). One of LED 1-7 lights on current status of TIE ID. (See Table 4.6.1)**
	(3) Enter TIE Line ID using BTN 1-7, then the LED indicates current status.
CO/TIE LINE ASSIGN ENTER CO RANGE	**(4) Press the** [HOLD/SAVE] **button for updating database permanently.**
CO/TIE LINE ASSIGN ENTER CO RANGE	• **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to step (1) with no updating system memory.**

BTN	ITEM	REMARK
1	**Normal Ring (Default)**	**One of these 7 types per one CO/Tie line is assignable.**
2	**Ring/Down**	
3	**Loop/Dial**	
4	**Ear/Mouth Continuous**	
5	**Polarity Reverse**	
6	**Ear/Mouth Discontinuous**	
7	**DID / Normal CO (Only for CEPT)**	

TABLE 4.6.1 Button Configuration for TIE Line (PGM 35)

4.7 DID LINE ASSIGNMENT (PGM 36)

PROCEDURE

DID LINE ASSIGN ENTER CO RANGE	**(1)** [TRANS/PGM] + **36.**
01-05 DID LINE ASSIGN IMDT WINK DLY	**(2) Enter CO line range (Ex. 01-05). One of LED 1-4 lights on current status of DID Line assignment ID. (See Table 4.7.1)**
	(3) Enter DID Line assignment using BTN 1-4, then the LED indicates current status.
DID LINE ASSIGN ENTER CO RANGE	**(4) Press the** [HOLD/SAVE] **button for updating database permanently.**
DID LINE ASSIGN ENTER CO RANGE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to step (1) with no updating system memory.**

BTN	ITEM	REMARK
1	**Immediate Start**	**One of this 3 types per one DID line is assignable.**
2	**Wink Start**	
3	**Delayed Dial Start**	

TABLE 4.7.1 Button Configuration for DID Line Assignment (PGM 36)

4.8 ISDN CO LINE ATTRIBUTES (PGM 37)

PROCEDURE

ISDN CO LINE ATTRIBUTES ENTER CO RANGE	**(1)** [TRANS/PGM] + **37.**
ISDN CO LINE ATTRIBUTES PRESS FLEX KEY (1-2)	**(2) Enter CO line range (Ex. 01-05).**
01-05: COLP FOR ISDN CO COLP : NOT ASSIGN	**(3) To program COLP, press BTN 1 and enter related data for setting COLP, then entered data will be displayed on LCD.**
01-05: IGNORED DGT NO DID_RN : 00	**(4) To program number of DID digits that will be ignored, press BTN 2 and enter related data, then it will be displayed entered data on LCD.**
ISDN CO LINE ATTRIBUTES ENTER CO RANGE	**(5) Press the** [HOLD/SAVE] **button for updating database permanently.**
ISDN CO LINE ATTRIBUTES ENTER CO RANGE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to step (1) with no updating system memory.**

BTN	ITEM	RANGE	DEFAULT	REMARK
1	**COLP**	**00-11**	**00**	**00: Not assigned** **01-10 indicate an entry of Outgoing CLIP table (PGM 09)** **11: Extension number**
2	**DID_RN**	**00-99**	**00**	**00: Do not ignore.** **01-99 indicate a ignored called party number.** **(DID_RN: DID Remove number from called party information)**

TABLE 4.8.1 ISDN CO Line Attribute (PGM 37)

4.9 CO LINE ATTRIBUTE - IV (PGM 38)

PROCEDURE

CO LINE ATT 4 ENTER CO RANGE	**(1)** [TRANS/PGM] + **38.**
CO LINE ATTRIBUTES 4 PRESS FLEX KEY (1-7)	**(2) Enter CO line range (Ex. 01-05). LCD prompts to press Flex. BTN (1-7).**
01-05 : COL RING TYPE RING: 0	**(3) To program the CO Line ring type, press BTN 1 and dial ring type 1-4. By default ring type is not assigned (0).** **To program the CO Line MOH, press BTN 2 and enter MOH number (0) then entered data will be displayed on LCD. (MOH 0 - MOH 9)** **To program the DTONE, press the 3rd button. And press 0 or 1.**
CO LINE ATT 4 ENTER CO RANGE	**(4) Press the** [HOLD/SAVE] **button for updating database permanently.**
CO LINE ATT 4 ENTER CO RANGE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to *PGM number enter mode* without updating system memory. Enter new PGM number for programming another parameters.**

BTN	ITEM	DEFAULT	RANGE	REMARK
1	**Ring Type**	**0 (Not assigned)**	**0 - 4**	**The CO can give its own ring type signal to the station in system through this field. This ring type can be programmed at PGM 76.**
2	**CO Line Base MOH**	**0 (Not assigned)**	**0 - 9**	**0: Not assigned by this field. (See PGM41 - BTN 2)** **1: Channel 1 (External Music 1 or Internal Music, see PGM41 - BTN 4)** **2: Channel 2** **3: Day (Channel 1) / Night (Channel 2)** **4: DVU-17** **5~9: SLT MOH**
3	**DIALT (Dial Tone)**	**1(ON)**	**ON/OFF**	**ON: In case PX or PABX provides dial tone.** **OFF: In case PX or PABX does not provide dial tone.**
4	**Cause Ringback Signal #**	**0 (Disable)**	**0 / 1**	**If R2 PX which does not give you tone for called party status exists, then the system provides tone according to cause value (This field is only when Cause means that Ringback is provided by PX.).** **0: Disable, 1: Enable**
BTN	ITEM	DEFAULT	RANGE	REMARK

5	**Cause Error Signal #**	**0 (Disable)**	**0 / 1**	**If R2 PX which does not give you tone for called party status exists, then the system provides tone according to cause value (This field is only when Cause means that error tone is provided by PX.).** **0: Disable, 1: Enable**
6	**Cause Busy Signal #**	**0 (Disable)**	**0 / 1**	**If R2 PX which does not give you tone for called party status exists, then the system provides tone according to cause value (This field is only when Cause means that busy tone is provided by PX.).** **0: Disable, 1: Enable**
7	**Cause Announcement Signal #**	**0 (Disable)**	**0 / 1**	**If R2 PX which does not give you tone for called party status exists, then the system provides tone according to cause value (This field is only when Cause means that announcement is provided by PX, but the system provides only error tone.).** **0: Disable, 1: Enable**

TABLE 4.9.1 Button Configuration for CO Attribute - 4 (PGM 38)

4.10 R2 DCOB CO LINE ATTRIBUTE (PGM 39)

PROCEDURE

CO LINE ATT FOR R2 ENTER CO RANGE	**(1)** [TRANS/PGM] **+ 39.**
01-30 IN_S OUT_S B_SIG GRP-II	**(2) Enter CO line range to setting signal type. (Ex. Dial 01 and 30)**
INCOMING SIG : DTMF	● **Press flexible button (1-4). (Ex. Press BTN 1.)**
OUTGOING SIG : DTMF	● **Press flexible button (1-4). (Ex. Press BTN 2.)**
B_SIG : CHARGE	● **Press flexible button (1-4). (Ex. Press BTN 3.)** **It means ANI service will be activated.**
GRP-II SIG : GRPII-1	● **Press flexible button (1-4) (Ex. Press BTN 4.)**

INCOMING SIG : RFC

(4) **Dial digit for setting signal type.(0-2).[0: PULSE, 1: DTMF, 2 : RFC]**
(Ex. When incoming signal is programmed, dial 2.)
In case of pressing Flex. BTN 1 or 2, then can be dialed "0" from "2"

B_SIGNAL : MALICE

- **Dial digit for setting signal type (0-9). [7: FREE, 6: CHARGE, 1: MALICE, ETC: OPTION]**
(Ex. In case of pressing Flex. BTN 4, then dial "1".)

INCOMING SIG : RFC

(5) Press the [HOLD/SAVE] **button for updating database permanently.**

ENTER PROGRAM CODE

- **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to *PGM number enter mode* without updating system memory.**

BIN	ITEM	RANGE	DEFAULT	REMARK
1	**INCOMING SIGNAL**	**0 - 2**	**1 (DTMF)**	**Default: DTMF (1)** **To set signal type.** **[0 : PULSE, 1 : DTMF, 2 : RFC]**
2	**OUTGOING SIGNAL**	**0 - 2**	**1 (DTMF)**	**Default: DTMF (1)** **To set signal type.** **[0 : PULSE, 1 : DTMF, 2 : RFC]**
3	**B SIGNAL**	**1 - 9**	**6 (CHARGE)**	**Default: CHARGE** **To indicate to PX that this line is used for charge, free, malice or options.** **[7: FREE, 6: CHARGE, 1: MALICE, etc: options]**
4	**GRP-II SIGNAL**	**1 - 9**	**1**	**For R2 DCOB signal** **(GRP-II caller category)**

TABLE 4.10.1 Button Configuration for R2 DCOB CO Line Attribute (PGM 39)

5. SYSTEM DATA PROGRAMMING

If system parameters are to be changed, press the [TRANS/PGM] **button and dial 40-78. When programming, LCD and LEDs indicate current programmed data and programming status. The programmer enters correct data, then LCD and LEDs show the entered data and the data is stored in the temporary buffer area.** ***After all, press the*** [HOLD/SAVE] ***button, all data in the temporary buffer (same as LCD/LEDs show their status) are stored into permanent system memory.***

5.1 SYSTEM ATTRIBUTE - I (PGM 40)

PROCEDURE

SYS ATT1: SHLD PRIV PWRN PAGE OFFR MCNF SPDZ AQRB	**(1)** [TRANS/PGM] **+ 40. LEDs of BTN 1-8 show current status of System Attributes - I.**
	(2) To program, use the BTNs as Table 5.1.1. Press BTN 1-8 for toggle setting (LEDs of BTN (1-8) related to each feature mean current status)
ENTER PROGRAM CODE	**(3) Press the** [HOLD/SAVE] **button for updating database permanently.**
ENTER PROGRAM CODE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to *PGM number enter mode* without updating system memory. Enter new PGM number for programming another parameters.**

BTN	ITEM	DEFAULT	RANGE	REMARK
1	**Hold Preference**	**System (ON)**	**System/ Exclusive**	**If system hold is preferred, depress** [HOLD/SAVE] **button and twice for exclusive hold.**
2	**Auto Privacy**	**YES (ON)**	**YES / NO**	**The system can be programmed to override CO line call to gain access to the conversation. If privacy is disabled, a station privileged to override in PGM 11 joins an existing call in progress.**
3	**Privacy Warning Tone**	**YES (ON)**	**YES / NO**	**If desired, privacy warning tone can be suppressed.**
4	**Page Warning Tone**	**YES (ON)**	**YES / NO**	**If desired, page warning tone can be suppressed.**
5	**Off-Hook Ring Type**	**Mute (ON)**	**Mute/ One Burst**	**The system can be programmed off-hook ring type to mute or one burst ring.**
6	**Multi-Line Conference**	**YES (ON)**	**YES/NO**	**The system allows a conference with multi-CO lines.**
7	**System Speed Toll Check**	**YES (ON)**	**YES/NO**	**The system can be programmed common speed zone (bin 300-399) toll check to free or restrict.**

8	**Attendant Queuing Ring Back Tone**	**NO (OFF)**	**YES/NO**	**YES: The station will be present ring back tone when calling busy attendant station. NO : The station will be present MOH, hold tone or DVU-17 by system database (PGM 41-BTN 2)**

TABLE 5.1.1 Button Configuration for System Attribute - I (PGM 40)

5.2 SYSTEM ATTRIBUTE - II (PGM 41)

PROCEDURE

SYS ATT2: BGM1 MOH1 BOX1 IMUSIC LG(KOR) CLIP CAMP	**(1)** [TRANS/PGM] **+ 41. LCD and LED of BTN 4, 6~7 show current status of that attribute.**
	(2) To program, use the BTNs as Table 5.2.1. Press BTN 1-3, 5 and enter related data then entered data will be displayed on LCD. Press BTN 4, 6~7 for toggle setting. (LED of BTN 4, 6~7 means current status)
ENTER PROGRAM CODE	**(3) Press the** [HOLD/SAVE] **button for updating database permanently.**
ENTER PROGRAM CODE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to *PGM number enter mode* without updating system memory.**

BTN NO.	ITEM	DEFAULT	DATA	REMARK
1	**No. of BGM Channel**	**1**	**0-9**	**0 : No BGM,** **1 : Music 1, 2 : Music 2** **3 : Day – Music 1, Night - Music 2** **4 : DVU BGM** **5~9 : SLT BGM**
2	**Music on Hold Port**	**1**	**0-9**	**0 : Hold Tone** **1 : Music 1, 2 : Music 2** **3 : Day - Music 1, Night - Music 2** **4 : DVU MOH** **5~9 : SLT MOH** (*)
3	**ICM Box Music Port**	**1**	**0-9**	**0: No music,** **1 : Music 1, 2 : Music 2** **3 : Day - Music 1, Night - Music 2** **4 : DVU Music** **5~9 : SLT Music** (*)
4	**Music Source Assign**	**Internal (LED On)**		**Internal / External**
5	**LCD Display Language**	**01** **(Korean)**	**00-24**	**00: English, 01: Korean,** **02: Italian, 04:Swedish,** **05 : Norwegian, 06: Finnish,** **07: Dutch, 08: Spanish,** **10: Danish** **11: Invalid (162), Germany (100/FPII)** **13: Estonia, 20: Russian** **22(162), 24(100/FPII) : Portuguese** **- Condition: Following codes should be not registered.** **03, 09, 12, 14, 15, 16, 17, 18, 19, 21**
6	**Calling Number Identification**	**No (LED Off)**		
7	**Camp-On Tone Assign**	**No (LED Off)**	**0/1**	**0: Ringback tone is heard in camp-on.** **1: MOH is heard in camp-on.**
8 (Only 100/FPII)	**SMDR**	**0**	**0 – 4**	**Determines the number of digits to be hidden in SMDR from the last digit.**

(*) Note: **Hardware device (MOHU) is required. (See also PGM #1)**

TABLE 5.2.1 Button Configuration for System Attribute - II (PGM 41)

5.3 SYSTEM ATTRIBUTE - III (PGM 42)

PROCEDURE

SYS ATT3: EXTR RR CDIAL SLTR D_DET A_CLR A_PRT

(1) [TRANS/PGM] + **42. LEDs of BTN 1-7 show current status of system Attributes-III.**

(2) To program, use the BTNs as Table 5.3.1. Press BTN 1-7 for toggle setting. (LEDs of BTN 1-7 related to each feature mean current status)

ENTER PROGRAM CODE

(3) Press the [HOLD/SAVE] **button for updating database permanently.**

ENTER PROGRAM CODE

- **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to *PGM number enter mode* without updating system memory.**

BTN	ITEM	DEFAULT(LED)	RANGE	REMARK
1	**External Night Ring**	**NO (OFF)**	**YES/NO**	**When CO lines are marked to UNA, ring will be sent to LBC1 when an incoming call occurs on those lines during night service.**
2	**CO Line Access in CO Group**	**Last Choice (OFF)**	**Round Robin / Last Choice**	**The method of a CO line seizing on CO Line Groups access.**
3	**Continuous Dial-Tone**	**Continuous (ON)**	**Continuous / Discontinuous**	**This field set whether ICM dial tone is continuous or not.**
4	**SLT Ring Cadence**	**NO (OFF)**	**YES/NO**	**Changes a cadence of ICM or incoming CO ring of SLT. In case of NO, ICM: 1sec on/ 4sec off CO : 0.4s on/ 0.2s off/ 0.4s on/ 4sec off In case of YES, a cadence is in reverse.**
5	**Dial Tone Detection**	**NO (OFF)**	**YES/NO**	**When the speed dial is activated, system detects dial tone using CPT instead of pause timer.**
6	**ACD Clear**	**NO (OFF)**	**YES/NO**	**Determines if initialize ACD database after print-out.**
7	**ACD Printing Base Timer**	**1 Hour (OFF)**	**10sec/1 Hour**	**Determines the unit timer of "ACD periodic print timer" at PGM 44.**

TABLE 5.3.1 Button Configuration for System Attribute - III (PGM 42)

5.4 SYSTEM TIMERS - I (PGM 43)

PROCEDURE

SYSTEM TIMER 1
PRESS FLEX KEY (1-24)

(1) [TRANS/PGM] + **43.**

(2) To program, use the BTNs as Table 5.4.1. Press one of BTN 1-24 and related data. (LED of selected Flex. Button will be lit.)

SYSTEM TIMER 1
PRESS FLEX KEY (1-24)

(3) Press the [HOLD/SAVE] **button for updating database permanently.**

SYSTEM TIMER 1
PRESS FLEX KEY (1-24)

- **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to step (1) without updating system memory.**

BTN	ITEM	DEFAULT	RANGE	REMARK
1	**Exc. Hold Recall Timer**	**060**	**000 - 300 (3 Digits)**	**Determines the amount of time before a call placed on exclusive hold will recall the station placing the hold.**
2	**Sys Hold Recall Timer**	**030**	**000 - 300 (3 Digits)**	**Determines the amount of time before a call placed on system hold will recall the station placing the hold.**
3	**Transfer Recall Timer**	**030**	**000 - 300 (3 Digits)**	**Determines the amount of time a transferred call will ring at the station receiving the transfer and how long it will recall the station transferring the call.**
4	**I-Recall Timer**	**030**	**000 - 300 (3 Digits)**	**Determines the amount of time before a call recalls the attendant.**
5	**Attendant Recall Timer**	**01**	**00 - 60 (2 Digits)**	**Determines the amount of time before system disconnects the call.**
6	**CO Ring Detect Timer**	**2**	**1 - 9 (1 Digit)**	**The CO Ring Detect Timer controls the time necessary to detect an outside line as ringing into the system.**
7	**Pause Timer**	**3**	**1 - 9 (1 Digit)**	**Determines the length of the pause for use with automatically sent digits or other speed dialing.**
8	**CO Release Guard Timer**	**020**	**010 - 150 (3 Digits)**	**The CO Release Guard Timer controls the time necessary to guarantee idle loop state when the line is released.**
9	**CO Warning Tone Timer**	**180**	**060 - 900 (3 Digits)**	**Determines the amount of time before receiving warning tone in order to remind the call elapsed time in case of outgoing CO conversations (Only for Korea).**
10	**CO Dial Delay Timer**	**01**	**00 - 99 (2 Digits)**	**Voice connection to the outside party will be made after this timer. This can be used to prevent illegal dialing in case of slow response from the Central Office Line or PBX.**
11	**Call Park Recall Timer**	**120**	**000 - 600 (3 Digits)**	**Determines the amount of time before a call placed in a call park location will recall the station placing the park.**

12	Preset Forward Timer	10	00 - 99 (2 Digits)	Determines the amount of time an outside line will ring before being forwarded to a predetermined station. This entry works with Preset Forward Assignments in station attributes. More than one station can be forwarded to the same destination.
13	Unsupervised Conf. Timer	10	00 - 99 (2 Digits)	Determines the amount of the time an unsupervised conference can continue after the initiator of the conference has exited the conference.
14	ACNR Pause Timer	030	030 - 300 (3 Digits)	When expired, ACNR is activated. (For CIS : 050-300)
15	ACNR Delay Timer	030	000 - 300 (3 Digits)	When ACNR Pause Timer expires and there is no available CO line in the group, this timer is invoked. When ACNR Delay Timer expired, - Invoke ACNR Pause Timer if is no available CO line. Still, ACNR is activated.
16	Flex. DID Timer	030	000 - 300 (3 Digits)	This field is used for the CCR inter-digit timer in the DISA/DID CO line. In DID type 2, it is used for DID inter-digit timer (100ms).
17	ACNR No Answer Timer	30	10 - 50 (2 Digits)	This timer is invoked after system detects ring CO back tone or voice from CO party. After this timer, system retries ACNR.
18	ACNR Retry Counter	03	1- 13 (2 Digits)	This is decreased every time station retries ACNR, ACNR is canceled if set to 0. (For CIS : 1-9)
19	Warm Line Timer	05	1- 20 (2 Digits)	User takes no action after lifting handset or pressing the [MON] button and warm line timer is expired, then idle line selection for warm line is activated.
20	PBX-Code Print	1	1 / 0	When SMDR printing, this fields set whether PBX code prints or not.
21	Prepaid Call Warning Over Timer	15	00 – 99 (2 Digits)	If prepaid money is going to expire during a CO conversation, give warning tone and after this time the call will be disconnected.
22	DISA Retry Counter	3	1 – 9	When the DISA user fails to call Station or access feature, then DISA user can retry other call or feature within this retry counter. If DISA user cannot access appropriately within this counter, system disconnects the DISA line automatically.
23	CO COS of Connection Public Switching through Tie Line/DISA/DID	1	1-6	Determines the assigned COS when accessing a CO line through Tie line/DID/DISA CO line.
24	DVU Forward Answer Timer	4	04-40	When a station is forwarded to DVU, if a ring (ICM Ring, or CO Ring through DID/DISA) exists on the station, then firstly rings, and after this timer expires, the calling party will hear the User Greeting left by the called party.

25	R2_out Manage_Timer	14	01-50	To wait the first incoming digit after CO ring is incoming, assign this timer (Only for GDK-162)
25	ACNR retry timer	3	1 - 9	(Only for GDK-100/FPII)
26	R2_Pulse_Timer	07	01-30 (20msec)	To make end of pulse signal, define the signal length. (Only for GDK-162)
26	Switch Pause Timer	00	00 - 40	(Only for GDK-100/FPII)
27	DT_Delay_Timer	20	01-30 (20msec)	To use for PP signaling (Only for GDK-162)
27	First CO Grp override	1	0 / 1	(Only for GDK-100/FPII)
28	ACNR Retry Time Count	1	1-9 (5sec)	1 means 5 seconds, GDK will wait this value to decide NO TONE. 3 means 15 seconds. (Only for CIS)
28	CO Call drop timer		01 – 99	(Only for GDK-100/FPII)
29	Switching Pause Timer	0	00-40 (100ms)	This is used in sending DTMF tone when switching on ISDN line.
30	OVR 1st CO GRP	1	0 - 1	When dialing '0' and there is no idle CO line in the 1st CO group, then it determines if it should override to the next CO group or not.
31	R2 Incoming Manage Timer	14	01-50	Reserved for R2-DCOB signal. (Only for GDK-162)
32	R2 Disappear Timer	14	01-50	Reserved for R2-DCOB signal (Only for GDK-162)
33	CO Call Drop Timer	10	01-99	Outgoing CO call time is allowed for this time.

TABLE 5.4.1 Button Configuration for System Timers - I (PGM 43)

5.5 SYSTEM TIMERS - II (PGM 44)

PROCEDURE

SYSTEM TIMER 2 PRESS FLEX KEY (1-24)	**(1)** [TRANS/PGM] + **44.**
	(2) To program, use the BTNs as Table 5.5.1 Press one of BTN 1-24, and enter related data. (LED of selected Flex button will be lit.)
SYSTEM TIMER 2 PRESS FLEX KEY (1-24)	**(3) Press the** [HOLD/SAVE] **button for updating database permanently.**
SYSTEM TIMER 2 PRESS FLEX KEY (1-24)	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to step (1) without updating system memory.**

BTN	ITEM	DEFAULT	RANGE	REMARK
1	**MSG Wait Reminder Tone Timer**	**00**	**00 -60 (2 Digits)**	**Determines the amount of time between repeated reminder tones to a key telephone with a message waiting.**
2	**Hook Switch Flash Timer**	**05**	**01-25 (2 Digits)**	**This timer determines how long the user could depress the hook switch in order for it to be considered as a FLASH (Timed-Break Recall). (For SLT)**
3	**Hook Switch Bounce Timer**	**01**	**01-25 (2 Digits)**	**This timer determines the length of timer that is needed to regard as a valid on-hook or off-hook. (For SLT)**
4	**DID/DISA No Answer Timer**	**20**	**00 -99 (2 Digits)**	**A DID call will be forwarded to attendant if the station is busy or does not answer within this time.**
5	**ICM Box Timer**	**30**	**00 -60 (2 Digits)**	**Determines the amount of time programmed stations will ring when ICM box user presses the [CALL] button.**
6	**Door Open Timer**	**20**	**05 -99 (2 Digits)**	**This timer determines of the length of time that is needed to activate as a door open relay using external page relay.**
7	**Call FWD No Answer Timer**	**015**	**000 -600 (3 Digits)**	**The Call forward busy/no answer feature will take place using this timer. If this timer has a non-zero value and an extension is set at busy, no answer forward by station user then the extension will ring for this timer and take place a forward to the next.**
8	**Dial Tone Timer**	**10**	**01-20 (2 Digits)**	**If action is not taken within ICM dial tone timer, user will hear error-tone.**
9	**Inter Digit Timer**	**05**	**01-20 (2 Digits)**	**The time between digits cannot exceed Inter-digit timer, or error tone is received.**
10	**Automatic Release Timer.**	**030**	**000 -300 (3 Digits)**	**Uncompleted CO call will be automatically released after this timer.**
11	**Paging Timeout Timer**	**015**	**000 -255 (3 Digits)**	**Determines the maximum time of a page. The system will automatically disconnect the page at the end of this time unless the caller has hung up earlier.**
12	**Ring Stop Detection Timer**	**060**	**010 -150 (3 Digits)**	**This timer is to secure time interval between incoming ringing signals so that the active ringing can be lasted in the system until this timer is expired.**
13	**Wink Timer**	**010**	**010 -200 (3 Digits)**	**The Time Duration of Seize Acknowledge Signal to DID line.**
14	**Minimum Hook Flash Timer**	**020**	**000 -250 (3 Digits)**	**The minimum bound time that system considers as hook flash for SLT.**
15	**SMDR Timer**	**000**	**000 -250 (3 Digits)**	**When the SMDR is enabled, the call to be printed is set by this SMDR timer. The calls exceeding this time limit are printed.**
16	**DVU User Record Timer**	**020**	**010 - 255 (3 Digits)**	**The time duration of DVU user greeting (Outgoing/Incoming messages)**
17	**CO Digit Analysis Counter**	**3**	**0 - 9 (1 Digit)**	**When digits are dialed as many as this counter and 3SEC is expired, the CO TX-path is connected.**

18	**ACD Print Timer**	**000**	**000 - 255 (3 Digits)**	**Determines the amount of time between repeated ACD database prints. Zero means no print out.**
19	**Ring Phase Timer**	**5**	**2 - 5 (1 Digit)**	**Determines the ring phase of SLT. (5 SEC : 1SEC ON / 4SEC OFF)**
20	**Camp-on Recall Timer**	**050**	**000 - 200 (3 Digits)**	**If a station transfers to busy station and hang up, this recall timer is assigned.**
21	**Station Auto Release Timer**	**060**	**000 - 200 (3 Digits)**	**If a station hears ring back tone and no action is taken, this timer is assigned. When this timer is expired the station is released.**
22	**CEPT Type**	**2**	**0 - 2**	**0 : Sweden/Cyprus 1: Italy 2: Korea/Australia**
23	**Ready Signal timer**	**007**	**000 - 255**	**For DCOB Signal Timer (used at DCOB)**
24	**Erase Wake-Up Fail Ring Timer**	**20**	**0-99**	**After a Wake-up fail ring invokes on the System Attendant, the alarm ring exists during this timer. Then if this timer expires, the alarm ring will be disappeared.**

TABLE 5.5.1 Button Configuration for System Timers - II (PGM 44)

5.6 ADMIN PASSWORD (PGM 45)

Admin Password can be assigned to enter Admin Programming mode for only Administrator who knows the Admin Password. ***It is not assigned by default.***

PROCEDURE

ADMIN PASSWORD	**(1)** [TRANS/PGM] + **45.**
ADMIN PASSWORD 1234	**(2) To assign Admin Password, enter 4 digits number, then entered admin password will be displayed on LCD. Otherwise to delete the admin password, press the** [SPEED] **button. (Ex 1234)**
ENTER PROGRAM CODE	**(3) Press the** [HOLD/SAVE] **button for updating database permanently.**
ENTER PROGRAM CODE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to** ***PGM number enter mode*** **without updating system memory.**

5.7 MAIN ATTENDANT STATIONS (PGM 46)

Maximum 5 Main Attendants can be assigned, and the first station of Main Attendants is called specially System Attendant. ***As default, the first Main Attendant (System Attendant) is assigned to Station 101, and others are not assigned.***

PROCEDURE

MAIN ATTENDANT ASSIGN 101	**(1)** [TRANS/PGM] **+ 46.**
	(2) To assign Main Attendants (one of 1-5), press one of BTN 1-5 and enter station number, then assigned Main Attendant station number will be displayed on LCD. Otherwise to delete any main attendant, press the Flex. Button which wants to delete and press the [SPEED] **button.** *Note***: It is impossible to delete the first *Main Attendant (System Attendant)*.**
ENTER PROGRAM CODE	**(3) Press the** [HOLD/SAVE] **button for updating database permanently.**
ENTER PROGRAM CODE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to *PGM number enter mode* without updating system memory.**

5.8 STATION GROUPS (PGM 47)

Stations in the system can be grouped so that incoming calls will search (hunt) for an idle station in the group. Three hunting processes can be assigned; Circular, Terminal, or UCD (Uniform Call Distribution). Each of the system's groups is assigned as a function; Call Pick-Up Group and/or Hunt Group, Voice Mail Group, and Ring Group. The available group number and station number in a group is as follows:

System	GDK-162	GDK-100	GDK-FPII
No. of Group	**30 (620-649)**	**15 (620-634)**	**8 (620-627)**
STA No. in a Group	**64**	**32**	**32**

1. **A station can belong to any number of Pick-up groups, but can only belong to one Station Hunt group, Voice mail group or Ring group. Stations in a Pick-up group can answer calls by dialing 6 6. (See also Pick-up Group Attributes)**
2. **When assigning a station group to any type of hunt group or voice mail group, the system initializes hunt attributes by default value for it's own function. It can be programmed to meet each customer's individual need at PGM 48.**

PROCEDURE

STATION GROUPS ENTER GROUP # (620-634)	**(1)** [TRANS/PGM] **+ 47.**
STATION GROUP 620 CIR TERM UCD VM RNG PKUP	**(2) Enter Station Group Number (Ex. 620). LEDs of BTN 1-6 (one of 1-5 and 6) show current station group types.**
GRP 620 CIRC/PKUP	**(3)** ***To assign a station group to*** *hunt group (Circular/Terminal/ UCD)***, select one of Flex. Button 1-3 as hunting type.** ***To assign a station group to*** *Voice Mail group***, press Flex. Button 4.** ***To assign a station group to*** *Ring group***, press Flex. Button 5.** ***To assign a station group to*** *Pick-up group***, press Flex. Button 6. Each of the system's groups is assigned to Call Pick-Up Group and Hunt Group. LEDs 1-6 shows currently programmed status. After setting station group type, press the** [SPEED] **button. (Ex. CIR & PKUP). If station member was already assigned to the station group 620, then you will see the first 4 station numbers with input order.**
	(4) ***To insert a new station as member of the station group*****, press the one of BTN 1-4 and enter the new station number.** ***To delete a current station member,*** **press the flex button matching that station number and press the** [SPEED] **button.** *Note*: **If you want to change next 4 station members then press [τ] button.**
STATION GROUP 620 CIR TERM UCD VM RNG PKUP	**(5) Press the** [HOLD/SAVE] **button for updating database permanently.**
STATION GROUP 620 CIR TERM UCD VM RNG PKUP	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to step (2) without updating system memory.**

5.9 STATION GROUP ATTRIBUTE (PGM 48)

When assigning a station group to any type of hunt group, the system initializes hunt attributes by default value for it's own function. It can be programmed to meet each customer's individual need.

PROCEDURE

HUNT GROUP ATTRIBUTE ENTER GROUP # (xxx-xxx)	**(1)** [TRANS/PGM] + **48.**
	(2) Enter Hunt Group Number. The station group to be programmed it's attributes should be assigned to any type of hunt group at PGM 47. If you enter the station number not assigned to hunt group, you will hear error tone.
CIRCULAR 620 PRESS FLEX KEY (1-7)	● **To program, use the Flex. Buttons as Table 5.9.1. (Ex. Group 620 is *Circular hunt*)** ① **To program timers, after pressing the one of BTN 1-4, enter the timer value within data range matching digit number.** ② **To program overflow destination, press BTN 5 and do one of:** ● **Enter station number,** ● **Enter Hunt group number,** ● **Press the** [SPEED] **button for deleting.** ③ **To program announce location, press BTN 6 and do one of:** ● **Dial '1' and enter station number,** ● **Dial '2' for assigning to DVU,** ● **Press the** [SPEED] **button for deleting.** ④ **To assign this circular hunt group to pilot hunt, press BTN 7 and dial 1 (Yes).**
TERMINAL 620 PRESS FLEX KEY (1-7)	● **To program, use the BTN as Table 5.9.1. (Ex. Group 620 is *Terminal hunt*). Program methods are same as above step.**

UCD 620
PRESS FLEX KEY (1-15)

- **To program, use the BTNs as Table 5.9.2. (Ex. Group 620 is *UCD hunt*)**

① **To program timers: After pressing the one of BTN 1-7, enter the timer value within data range matching digit number.**

② **To program overflow destination/supervisor/alternate destination, press Flex. Button 8/13/14 and do one of:**
- **Enter station number,**
- **Enter hunt group number,**
- **Press the** [SPEED] **button for deleting.**

③ **To program to announce location 1/2, press BTN 9/10 and do one of:**
- **Dial '1' and enter station number,**
- **Dial '2' for assigning to DVU,**
- **Press the** [SPEED] **button for deleting.**

④ **For repeating to the announce location 2, press BTN 11 and dial 1(Yes).**

101 102 103 104 105
0 0 0 0 0

⑤ **To assign UCD Hunt Stations' priority, press BTN 12. If station members 101-110 was already assigned to the UCD hunt group 620, then you will see the first 5 station numbers and its' priorities. Press the one of BTN 1-5 and dial the priority value (0-9). The updated priority value will be displayed on LCD. If you want to change next 5 station members' priorities, then press [τ] button.**

⑥ **To assign the music source number, press BTN 15 and dial music source number (0-2).**

VM 620
PRESS FLEX KEY (1-9)

- **To program, use the Flex Buttons as Table 5.9.3. (Ex. Group 620 is *Voice mail group*). Program methods are the same as the circular hunt. And to assign the put/get mail index, press BTN 7 or 8 and enter the index (1-4).**

RING 620
PRESS FLEX KEY (1-5)

- **To program, use the Flex. Buttons as Table 5.9.4. (Ex. Group 620 is *Ring group*)**

(1) To program the overflow timer, after pressing the BTN 1, enter the timer value within data range matching digit number.

(2) To program overflow destination press BTN 5 and do one of:
- **Enter station number,**
- **Enter Hunt group number,**
- **Press the** [SPEED] **button for deleting.**

(3) To assign the music source number, press BTN 15 and dial music source number (0-2).

STA PICKUP GROUP 620
AUTO_PCKP ALL_RING

- **To program branch group, first, assign pickup group at PGM 47 and program using the Flex Buttons as Table 5.9.5.**

Flex. Button 1 Flex. Button 2
off don't care -> Normal Pickup Group
on off -> Auto pickup group
on on > Auto pickup + All Ring

(3) Press the [HOLD/SAVE] **button for updating database permanently.**

HUNT GROUP ATTRIBUTE
ENTER GROUP # (xxx-xxx)

- **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to one of step (2)s without updating system memory.**

BTN	ITEM	DEFAULT	RANGE	REMARK
1	**No Answer Timer**	**15**	**00 -99 (2 Digits)**	**In circular hunt, calls to a station in the group will go to the station, if unavailable or unanswered in this no answer time, the call is directed to the next station in the group.**
2	**Ring Timer**	**999**	**000 -999 (3 Digits)**	**If this timer expires after call come in the group, the system announces the greeting if exists.**
3	**Wrap-up Timer**	**002**	**002 -999 (3 Digits)**	**A station in a hunt group is maintained in a busy state for a minimum of six seconds after any call and for hunt group calls for the assigned wrap-up time.**
4	**Overflow Timer**	**180**	**000 -600 (3 Digits)**	**If this timer expires after a call comes in the group, the call is routed to the overflow destination.**
5	**Overflow Destination**	**....**	**Sta No./ Sta Group No.**	**The call to a station in the group will continue to route until answered or each station in the group has been tried. The call will remain at the last station in the group or will be passed to this overflow station/group.**
6	**Announce Location**	**-**	**DVU 1-9**	**This is used to announce greeting when the ring timer is expired.**
7	**Pilot Calling Only**	**0 (No)**	**1(Yes) / 0 (No)**	**A circular/terminal hunt group can be assigned with a pilot number (the station group) so that only calls to the pilot number will hunt.**

TABLE 5.9.1 Button Configuration for Circular/Terminal Group Attribute (PGM 48)

BTN	ITEM	DEFAULT	RANGE	REMARK

1	**Queue to 1st Annc. Timer**	**15**	**000 - 999 (3 Digits)**	**If all stations in the group are busy when a call is received for the group, the call may continue to wait (queue) for an available station in the group. If queued, the call may be sent to a UCD announcement when the queue period exceeds the Queue to the 1st announcement Timer. If the timer is set to 0, the call will receive the full first announcement prior to the hunting process (guaranteed announcement).**
2	**Queue to 2nd Annc. Timer**	**000**	**000 - 999 (3 Digits)**	**The second announcement can be provided if the call continues to wait beyond the queue to the 2nd announcement timer.**
3	**Supervisor Timer**	**030**	**000 - 999 (3 Digits)**	**When the queued timer is longer than this timer, the number of queued lines will be displayed onto supervisor's LCD.**
4	**Supervisor Call**	**00**	**00 - 99 (2 Digits)**	**If the number of queued calls is more than this call count, the supervisor timer will be started.**
5	**Overflow Timer**	**180**	**000 - 600 (3 Digits)**	**If this timer expires after a call comes in the group, the call is routed to the overflow destination.**
6	**Wrap Up Timer**	**002**	**002 - 999 (3 Digits)**	**A station in a hunt group is maintained in a busy state for a minimum of six seconds after any call and for hunt group calls for the assigned wrap-up time.**
7	**Queue to Repeat Announce**	**000**	**000 - 999 (3 Digits)**	**The second message can be repeated until the call is answered or is disconnected when the queue period exceeds the queue to repeat announcement Timer.**
8	**Overflow Destination**	**....**	**Sta No./ Sta Grp No.**	**The queued call may be taken out of the group and directed to an overflow station.**
9	**Announce Location 1**	**....**	**DVU 1-9**	**Each Station Hunt Group can be assigned an announcement, which is played when the call is first received. The announcement may be assigned as a station port or DVU.**
10	**Announce Location 2**	**....**	**DVU 1-9**	**The second announcement can be provided for UCD based on a queue (wait) time.**
11	**Repeat Announce Location 2**	**NO (0)**	**1 / 0**	**The second message is repeated until the call is answered if this flag setting Yes.**
12	**UCD hunt Stations' Priority**	**0**	**0 - 9 (1 Digit)**	**Station's Priority**
13	**Supervisor**	**....**	**Sta/ Sta Group**	**Supervisor Station No. or Hunt Group No.**
14	**Alternate destination**	**....**	**Sta/ Sta Group**	**When a call comes into the group and there is no available station in the group, then the call will be routed to this destination if assigned.**
15	**Music Source**	**0**	**0 - 9**	**Music Source Channel No.**

TABLE 5.9.2 Button Configuration for UCD Group Attribute (PGM 48)

BTN	ITEM	DEFAULT	RANGE	REMARK
1				

2	**Ring Timer**	**999**	**000 -999 (3 Digits)**	**If this timer expires after call come in the group, the system announces the greeting if exists.**
3	**Wrap-Up Time**	**002**	**002-999 (3 Digits)**	**A station in a hunt group is maintained in a busy state for a minimum of six seconds after any call and for hunt group calls for the assigned wrap-up time.**
4	**Overflow Timer**	**180**	**000 -600 (3 Digits)**	**If this timer expires after a call comes in the group, the call is routed to the overflow destination.**
5	**Overflow Destination**	**....**	**Sta/ Sta Group**	**The call to the group will continue to be reroute until reaching the last station in the group where the call will remain or can be sent to this overflow station/group.**
6				
7	**Put Mail Index**	**1**	**1 -4**	**This index is one of the voice mail dialing table (PGM 73)**
8	**Get Mail Index**	**2**	**1 -4**	**This index is one of the voice mail dialing table (PGM 73)**
9	**Hunt Type**	**1**	**0 / 1**	**0: Terminal Hunt Group 1: Circular Hunt Group**

TABLE 5.9.3 Button Configuration for Voice Mail Group Attribute (PGM 48)

BTN	ITEM	DEFAULT	RANGE	REMARK
1	**Overflow Timer**	**180**	**000 - 600 (3 Digits)**	**If this timer expires after a call comes in the group, the call is routed to the overflow destination.**
2	**Overflow Destination**	**….**	**Sta/ Sta Group**	**The call to the group will continue to be reroute until reaching the last station in the group where the call will remain or can be sent to this overflow station/group.**
3	**Music Source**	**0**	**0 - 9**	**Music Source Channel No.**
4	**Ring Group Annc. Timer**	**15**	**000-999**	**Determine the time that a call will be in the ring process before receiving the announcements. If no ring group announcement is assigned, the timer is ignored. If the timer is set to 0, the call will receive the entire announcement prior to the ring process (guaranteed announcement).**
5	**Ring Group Annc. Location**	**-**	**DVU 1-9**	**Each ring group can be assigned to an announcement that is played when the call is received at first. The announcement can be assigned as DVU.**

TABLE 5.9.4 Button Configuration for Ring Group Attribute (PGM 48)

BTN	ITEM	DEFAULT(LED)	RANGE	REMARK

1	**Auto Pickup**	**NO (OFF)**	**YES/NO**	**If a hunt member is ringing, another hunt member can pick up the call automatically by just pressing [MON] or off-hook.**
2	**All Ring**	**NO (OFF)**	**YES/NO**	**When a hunt member that is TONE mode is ringing, all the other stations are ringing also.**

TABLE 5.9.5 Button Configuration for Pick-up Group Attribute (PGM 48)

5.10 EXECUTIVE / SECRETARY PAIRS (PGM 49)

There are a number of Executive/Secretary pairs available for assignment so that when the executive designated station is in DND state, intercom calls and transfers will be automatically routed to the designated secretary station. ***By default, Executive/Secretary Pairs are not assigned at all.*** **In GDK-100, system supports 12, in GDK-162, system supports 24 and in GDK-FPII, system supports 6 Executive/Secretary pairs.**

PROCEDURE

EXEC/SEC PAIRINGS PRESS FLEX KEY (1-xx)	**(1)** [TRANS/PGM] **+ 49.**
EXEC/SEC PAIRINGS ..../.... PAIR 01	**(2) Select the one of Exec/Sec pairs number. (Ex Pair 1: Flex button 1).**
EXEC/SEC PAIRINGS 101/105 PAIR 01	**(3) To assign Exec/Sec pair, enter Executive station number and Secretary station number, then Exec/Sec pair will be displayed on LCD. (Ex. Exec/Sec:101/105). To delete Exec/Sec Pair press the** [SPEED] **button.**
EXEC/SEC PAIRINGS PRESS FLEX KEY (1-xx)	**(4) Press the** [HOLD/SAVE] **button for updating database permanently.**
EXEC/SEC PAIRINGS PRESS FLEX KEY (1-xx)	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to step (1) without updating system memory.**

5.11 ALARM ATTRIBUTE (PGM 50)

PROCEDURE

ALARM ATTRIBUTES ENAB ALRM CLOSE REPT

(1) [TRANS/PGM] + **50. LEDs of BTN 1-4 show current status of Alarm Attributes.**

(2) To program, use the BTNs as Table 5.11.1. Press BTN 1-4 for toggle setting (LEDs of BTN 1-4 related to each feature mean current status).

Note: **An SLT should not be assigned to receive signals for either the alarm or door bell.**

ENTER PROGRAM CODE

(3) Press the [HOLD/SAVE] **button for updating database permanently.**

ENTER PROGRAM CODE

- **Press [σ] button instead of** [HOLD/SAVE] **button, then system goes to *PGM number enter mode* without updating system memory.**

BTN	ITEM	DEFAULT (LED)	RANGE	REMARK
1	**Alarm Enable**	**Disable (OFF)**	**Enable/Disable**	
2	**Alarm Mode**	**Alarm (ON)**	**Alarm/Door-Bell**	
3	**Alarm Contact Type**	**Close (ON)**	**Close/Open**	
4	**Alarm Signal Mode**	**Repeat (ON)**	**Repeat/Once**	

TABLE 5.11.1 Button Configuration for Alarm Attribute (PGM 50)

5.12 EXTERNAL CONTROL CONTACT (PGM 51)

By default, External control contacts are not assigned at all.

In GDK-100, system supports 4, in GDK-162, system supports 6 and in GDK-FPII, system supports 2 external control contacts.

PROCEDURE

EXTERNAL CONTROL CONTACT PRESS FLEX KEY (1-x)	**(1)** [TRANS/PGM] **+ 51.**
EXTERNAL CONTROL CONTACT NO 1 : ...	**(2) Select one of External Control Contacts with BTN 1-x. Then pressed BTN's LED will be lit and currently assigned External Control Contact will be displayed on LCD. (Ex External Control Contact 1: BTN 1).**
EXTERNAL CONTROL CONTACT NO 1 : LBC 150	**(3)** ***To assign Loud Bell Control to External Control Contact,*** **dial 1 and enter station number. Then entered data will be displayed on LCD. (Ex. STA 150). In GDK-162, only 4 Loud Bell Controls are allowed.**
EXTERNAL CONTROL CONTACT NO 1 : DOOR	**(4)** ***To assign Door to External Control Contact,*** **dial 2. In GDK-162, only 4 Door Open Controls are allowed.**
EXTERNAL CONTROL CONTACT NO 1 : EXT_1	● **To assign** External Control Device 1 **to External Control Contact, dial 3.**
EXTERNAL CONTROL CONTACT NO 2 : EXT_2	● **To assign** External Control Device 2 **to External Control Contact, dial 4.**
EXTERNAL CONTROL CONTACT NO 1 : ...	● **To delete the assignment of External Control Contact, press the** [SPEED] **button.**
EXTERNAL CONTROL CONTACT PRESS FLEX KEY (1-x)	**(4) Press the** [HOLD/SAVE] **button for updating database permanently.**
ENTER PROGRAM CODE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to *PGM number enter mode* without updating system memory.**

5.13 PABX ACCESS CODES (PGM 52)

Maximum 5 PABX Access Codes are assignable. PABX Access Code is 1 or 2-digit number. ***By default, PABX Access Codes are not assigned at all.***

PROCEDURE

PABX ACCESS CODE	**(1)** [TRANS/PGM] **+ 52. LCD shows currently assigned PABX Access codes.**
PABX ACCESS CODE 9	**(2) To assign PABX Access code, press BTN 1-5 and do one of followings:** ● **Dial 2 digits number to assign PBX Access Code.** ● **Dial 1 digit number and press the** [SPEED] **button to assign 1 digit PABX Access Code.** **(Ex. Press Flex button 1, dial 9, and press the** [SPEED] **button)** ● **Press the** [SPEED] **button to delete PBX Access Code.**
ENTER PROGRAM CODE	**(3) Press the** [HOLD/SAVE] **button for updating database permanently.**
ENTER PROGRAM CODE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to** ***PGM number enter mode*** **without updating system memory.**

5.14 SMDR LONG DISTANCE CODES (PGM 53)

Maximum 5 SMDR Long Distance codes are available. SMDR Long Distance code is 1 or 2 digits number. ***By default, SMDR Long Distance Code is 0.***

PROCEDURE

LONG DISTANCE CODE 0	**(1)** [TRANS/PGM] **+ 53. LCD shows currently assigned SMDR Long Distance codes.**
LONG DISTANCE CODE 02	**(2) To assign PBX Access code, press BTN 1-5 and do one of followings: (Ex. Press Flex. Button 1, and dial 02.)** ● **Dial 2 digits number to assign 2 digits SMDR Long Distance Code.** ● **Dial 1 digit number and press the** [SPEED] **button to assign 1 digit SMDR Long Distance Code.** ● **Press the** [SPEED] **button to delete SMDR Long Distance Code.**
ENTER PROGRAM CODE	**(3) Press the** [HOLD/SAVE] **button for updating database permanently.**
ENTER PROGRAM CODE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to** ***PGM number enter mode*** **without updating system memory.**

5.15 AUTHORIZATION CODES (PGM 54)

Trunk groups can be marked to deny access until a matched authorization code is entered. In this case, DND warning tone is provided when the trunk group access code is dialed. If the dialed authorization code is verified, you will hear CO dial tone. Otherwise, you will hear error tone and cannot access the group. The authorization codes can be entered by stations or admin programming. Authorization code is fixed to 5 digits. Administrator can see and change station's password. There can be no duplicate entries. ***By default, Authorization Codes are not assigned at all.***

In GDK-100, the total number of Authorization Codes in system is 164 entries (1-136 entries are for station, and 137-164 entries are for DISA or CO Access code). Authorization Code from 1 to 136 relates station's password (Authorization Code 1 relates Station 100 (Port 0)).

In GDK-FPII, the total number of Authorization Codes in system is 110 entries (1-78 entries are for station, and 79-110 entries are for DISA or CO Access code). Authorization Code from 1 to 78 relates station's password (Authorization Code 1 relates Station 100 (Port 0)).

In GDK-162, the total number of Authorization Codes in system is 600 entries (1-192 entries are for station, and 193-600 entries are for DISA or CO Access code). Authorization Code from 1 to 192 relates station's password (Authorization Code 1 relates Station 100 (Port 0)).

PROCEDURE

AUTHOR CODE ENTER ENTRY #(001-xxx)	**(1)** [TRANS/PGM] **+ 54.**
AUTHOR CODE 001 :	**(2) Enter entry number of authorization code. (Ex. 001) LCD shows current assigned Authorization code.**
AUTHOR CODE 001 : 12345	**(3) To assign authorization code, enter 5-digit code. If there are no duplicate code in the system, then entered code will be displayed on the LCD, otherwise error tone will be heard. To delete authorization code, press the** [SPEED] **button. (Ex. 12345)**
AUTHOR CODE ENTER ENTRY #(001-xxx)	**(4) Press the** [HOLD/SAVE] **button for updating database permanently.**
AUTHOR CODE ENTER ENTRY #(001-xxx)	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to step (1) without updating system memory.**

5.16 DID DIGITS CONVERSION (PGM 55)

With Direct Inward Dialing (DID), a user dials through a public telephone network. To complete the connection, the DID trunk receives two, three or four digits from the central office, and routes the call to the proper corresponding station. The DID dialed digits may be modified by stripping up to two leading digits, by substitution of two leading digits (after stripping).

Note that there is no analog DID line board in GDK-100.

PROCEDURE

DID DIGIT CONVERSION RCV#:3 CONV:#*** 2ND_CNV	**(1)** [TRANS/PGM] + **55. LCD shows current status of DID Digit Conversion.**
1 2 3 4 5 6 7 8 9 0 (1 2 3 4 5 6 7 8 9 0)	**(2) To program, use the Flex. Buttons of Table 5.16.1.** ● **To assign received digit number from PBX, press BTN 1 and enter data, then entered data will be displayed on LCD.** ● **To assign converted DID 4 digits, press BTN 2 and dial 4 digits (combination of 0-9, *, #), then entered 4 digits will be displayed on the LCD.** ● **To assign DID 2nd digit conversion table, press BTN 3 and enter 10 digits (Ex: 1 2 3 4 5 6 7 8 9 0).**
ENTER PROGRAM CODE	**(3) Press the** [HOLD/SAVE] **button for updating database permanently.**
ENTER PROGRAM CODE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to *PGM number enter mode* without updating system memory.**

BTN	ITEM	DEFAULT	RANGE	REMARK
1	**DID Received Digit No. from PX**	**3**	**2 - 4**	
2	**DID Digit Conversion**	**#*** **	**4 digits** ***(d, *, #)***	***d* : digit (0 - 9)** **# : ignore digits** *** : any kind of digit**
3	**DID 2nd Digit Conversion**	**(1 2 3 4 5 6 7 8 9 0)**		

TABLE 5.16.1 Button Configuration for DID Digit Conversion (PGM 55)

5.17 DID/DISA DESTINATION (PGM 56)

A station can be arranged to forward a DID call to the attendant if the station is busy. Vacant or invalid calls are sent to the Main Attendant, or busy tone is presented by admin programming. (For DISA calls, this controls the call in other ways depending on whether DVU(EDVU) is installed.)

PROCEDURE

DID/DISA DEST (TONE/ATD) BUSY ERROR	**(1)** [TRANS/PGM] **+ 56. One of BTN 1-2 LEDs show assigned DID Busy/Error Destination.**
	(2) To assign DID Busy/Error destination to ATD, press both BTN 1 and 2. Then the LED of selected Flex. Button will be lit. **To assign Busy/Error destination to TONE, press both BTN 1 and 2 again. Then the LED of selected Flex. Button will be extinguished.**
ENTER PROGRAM CODE	**(3) Press the** [HOLD/SAVE] **button for updating database permanently.**
ENTER PROGRAM CODE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to *PGM number enter mode* without updating system memory.**

BTN 1	BTN 2	BUSY-DESTINATION	ERROR-DESTINATION
ON	**ON**	**Ring Assignment**	**Ring Assignment**
ON	**OFF**	**Ring Assignment**	**Error Tone**
OFF	**ON**	**Busy Tone**	**Ring Assignment**
OFF	**OFF**	**Busy Tone**	**Error Tone**

TABLE 5.17.1 Button Configuration for DID/DISA Destination (PGM 56)

5.18 PULSE DIAL SPEED RATIO (PGM 57)

PROCEDURE

PULSE DIAL SPEED RATIO 10pps 66/33

(1) [TRANS/PGM] + **57.**

(2) To assign Pulse Dial Speed Ratio, press the one of BTN 1-4 as described Table 5.18.1. Then the selected BTN's LED will be lit and related data will be displayed on LCD. Only one Pulse Dial Speed Ratio can be assignable.

ENTER PROGRAM CODE

(3) Press the [HOLD/SAVE] **button for updating database permanently.**

ENTER PROGRAM CODE

- **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to *PGM number enter mode* without updating system memory.**

BTN	PULSE DIAL SPEED RATIO	REMARK
1	**10 PPS 60/40 %**	
2	**10 PPS 66/33 %**	
3	**20 PPS 60/40 %**	
4	**20 PPS 66/33 %**	

TABLE 5.18.1 Button Configuration for Pulse Dial Speed Ratio (PGM 57)

5.19 MODEM ASSIGNMENT (PGM 58)

PROCEDURE

MODEM ASSIGN MODEM B02400 STA:171

(1) [TRANS/PGM] **+ 58.**

(2) To program MODEM Attributes, press the one of BTN 1-4 as described Table 5.19.1.

- **To set Modem mode, press BTN 1 for toggle setting. (LED ON: Modem Mode, LED OFF: Bypass Mode)**
- **To program others, press one of BTN 2-3, and enter data. Then entered data will be displayed on LCD.**

Note: **If MODEM mode is selected, then Baud Rate must be 2400.**

ENTER PROGRAM CODE

(3) Press the [HOLD/SAVE] **button for updating database permanently.**

ENTER PROGRAM CODE

- **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to *PGM number enter mode* without updating system memory.**

BTN	ITEM	DEFAULT (LED)			RANGE	REMARK
		100	162	FPII		
1	**Modem Mode**	**MODEM (ON)**	**MODEM (ON)**	**MODEM (ON)**	**MODEM / BYPASS**	
2	**Modem Baud Rate**	**4**	**4**	**4**	**1 - 8**	**1 : 300 Baud 2 : 600 Baud 3 : 1200 Baud 4 : 2400 Baud 5 : 4800 Baud 6 : 9600 Baud 6: 19200 Baud 8 : 38400 Baud (fixed to 4)**
3	**Modem Associated Device**	**STA 235**	**STA 291**	**STA 177**	**(1 + CO No.) / (2 + STA No.)**	

TABLE 5.19.1 Button Configuration for Modem Assignment (PGM 58)

5.20 SET SYSTEM DATE/TIME (PGM 59)

Date format is Year/Month/Date (YYMMDD), and time format is Hour/Minute (HHMM) in military format. Whenever system clock sets, the second is set to 0.

PROCEDURE

DATE & TIME 93 01 01 10:00	**(1)** [TRANS/PGM] + **59.**
	(2) To set system clock, do one of the followings: ● **Enter Date (YYMMDD) and Time (HHMM)** ● **Enter Date (YYMMDD) and " * "** ● **Enter " * " and Time (HHMM)** *Note:* **If no change is required for Date or Time part, you may enter " * " instead of YYMMDD or HHMM.**
ENTER PROGRAM CODE	**(3) Press the** [HOLD/SAVE] **button for updating database permanently.**
ENTER PROGRAM CODE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to *PGM number enter mode* without updating system memory.**

5.21 LCD DISPLAY MODE (PGM 60)

Two LCD Date formats are Day/Month/Year (DDMMYY) or Month/Day/Year (MMDDYY) mode. Two LCD Time formats are Ordinary (12-hour)/Military (24-hour) Mode. ***By default LCD Date format is DDMMYY and LCD Time format is Ordinary (12 hour).***

PROCEDURE

LCD DISPLAY MODE 12 HOUR DDMMYY	**(1)** [TRANS/PGM] + **60.**
	(2) To program LCD Time format, press BTN 1 for toggle setting, and to program LCD Date format, press BTN 2 for toggle setting. **LED ON : 24-Hour or MM/DD/YY** **LED OFF: 12-Hour or DD/MM/YY**
ENTER PROGRAM CODE	**(3) Press the** [HOLD/SAVE] **button for updating database permanently.**

ENTER PROGRAM CODE

- **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to *PGM number enter mode* without updating system memory.**

BTN 1	BTN 2	DISPLAY	REMARK
ON	**ON**	**24 HOUR - MM/DD/YY**	
ON	**OFF**	**24 HOUR - DD/MM/YY**	
OFF	**ON**	**12 HOUR - MM/DD/YY**	
OFF	**OFF**	**12 HOUR - DD/MM/YY**	**DEFAULT**

TABLE 5.21.1 Button Configuration for LCD Display Mode (PGM 60)

5.22 S/W VERSION DISPLAY (PGM 61)

PROCEDURE

LGE/GS86P-5.5Bt OCT/99 KOREA

(1) [TRANS/PGM] **+ 61. Software version is displayed on the LCD. The 1st line of LCD displays MPB version and released date. The 2nd line of LCD displays the Nationality.**

5.23 SMDR ATTRIBUTES - I (PGM 62)

Station Message Detail Recording (SMDR) will provide details on both incoming and outgoing calls. As an assignable database option, if Long Distance/All Call (LED OFF) is selected, incoming and outgoing local and long distance calls are all provided. If only Long Distance (LED ON) is selected, then only outgoing calls that meet the toll check status requirements listed below are provided.

PROCEDURE

SAVE PRT LD PIC DETL BAUD09600 CRCY:xxx

(1) [TRANS/PGM] **+ 62. LEDs of BTN 1-7 and LCD show current status of SMDR attributes - I.**

(2) To program SMDR attributes - I, use the BTNs as Table 5.23.2.

- **Press BTN 1-5 for toggle setting. (LEDs of BTN 1-5 related to each feature mean current status)**

- ***To program SMDR print baud rate*, press BTN 6 and dial one of 1 - 8.**
  1 - Baud 300 / 2 - Baud 600 / 3 - Baud 1200 / 4 - Baud 2400
  5 - Baud 4800 / 6 - Baud 9600 / 7 - Baud 19200 / 8 - Baud 38400

- ***To assign Currency Unit,* press BTN 7 and dial 6 digits (3 letters). The letters of the Currency Unit are entered as Table 5.23.1.**

ENTER PROGRAM CODE
ENTER PROGRAM CODE

(3) Press the [HOLD/SAVE] **button for updating database permanently.**

- **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to *PGM number enter mode* without updating system memory.**

Q - 11 Z - 12 1 - 10	A - 21 B - 22 C - 23 2 - 20	D - 31 E - 32 F - 33 3 - 30
G - 41 H - 42 I - 43 4 - 40	J - 51 K - 52 L - 53 5 - 50	M - 61 N - 62 O - 63 6 - 60
P - 71 R - 72 S - 73 Q - 7* 7 - 70	T - 81 U - 82 V - 83 8 - 80	W - 91 X - 92 Y - 93 Z - 9# 9 - 90
*1 - Blank *2 - : *3 - ,	0-00	#

TABLE 5.23.1 English Character Set

BTN	ITEM	DEFAULT(LED)	RANGE	REMARK
1	**SMDR Save**	**NO (OFF)**	**YES/NO**	**The system can be set to record either all outgoing calls (ALL) or only limit set by timer in PGM 44 (See Flex button 15 : SMDR Timer)**
2	**SMDR Print Enable**	**NO (OFF)**	**YES/NO**	**The system can be set to real time print either all outgoing calls (ALL) or only limit set by timer in PGM 44 (See Flex button 15 : SMDR Timer)**
3	**Long Distance / All Call Recorded**	**LD (ON)**	**LD /All Call**	**The system can be set to record either all outgoing calls or only long distance calls, exceeding time limit set by SMDR timer. The long distance calls are identified by SMDR long distance code programming (PGM 53).**
4	**Print Incoming Call**	**NO (OFF)**	**YES/NO**	**If this option (PIC) is set to YES, all incoming calls are printed with either all outgoing calls or long distance calls.**
5	**Records in detail**	**YES (ON)**	**YES/NO**	**Due to limited system memory size, in places where many calls take place, the SMDR record buffer can easily saturated. So, if the customer doesn't need the detailed call information but total call, total metering count and total cost for individual station, then it is possible to save only the total accumulation, rather than the whole detailed records.**
6	**SMDR Print Baud Rate**	**6**	**1 - 8**	**The baud rate for the printer can be set to 300, 600, 1200, 2400, 4800, 9600, 19200, or 38400 baud.**
7	**SMDR Currency Unit**	**-**	**3 English Characters**	**For easy identification of call cost, the currency unit can be input with 3 alphabet characters to be printed in front of call charge amount.**

TABLE 5.23.2 Button Configuration for SMDR Attributes - I (PGM 62)

5.24 SMDR ATTRIBUTES - II (PGM 63)

PROCEDURE

SMDR COST PER UNIT COST:000000 FRAC:0

(1) [TRANS/PGM] **+ 63. LEDs of BTN 2 and LCD show current status of SMDR attributes - II.**

(2) To program SMDR attributes-II, use the Flex. Buttons as Table 5.24.1.

- ***To program SMDR Cost per Unit,* press BTN 1 and enter 6 digits.**
- **To assign SMDR Fraction, press BTN 2 and enter 1 digit (0-5). See Table 5.24.1.**

ENTER PROGRAM CODE

(3) Press the [HOLD/SAVE] **button for updating database permanently.**

ENTER PROGRAM CODE

- **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to *PGM number enter mode* without updating system memory.**

BTN	ITEM	DEFAULT	RANGE
1	**SMDR Cost Unit**	**000000**	**6 digits**
2	**SMDR Fraction**	**0**	**0 - 5**

TABLE 5.24.1 Button Configuration for SMDR Attributes - II (PGM 63)

Ex) No Of Metering Pulse = 2, SMDR Cost Unit = 000156

- SMDR Fraction 0 : 2 x 156 = 312
- SMDR Fraction 1 : 2 x 15.6 = 31.2
- SMDR Fraction 2 : 2 x 1.56 = 3.12
- SMDR Fraction 3 : 2 x 0.156 = 0.312
- SMDR Fraction 4 : 2 x 0.0156 = 0.0312
- SMDR Fraction 5 : 2 x 0.00156 = 0.00312

TABLE 5.24.2 Example of Calculation Method of Call Charge (PGM 63)

5.25 TIE ROUTING TABLE (PGM 65)

Maximum 30 Tie Line Routings can be programmed. Maximum 6 CO lines are assignable to each Routing.
By default, Tie Line Routings are not assigned at all.

PROCEDURE

TIE LINE ROUTING DIAL ROUTING NO 01-30	**(1)** [TRANS/PGM] + **65.**
TIE LINE ROUTING 01 :	**(2) Enter two digits for routing number (01-30). (Ex. 01)**
	(3) ***To assign TIE Line Routing,*** **press BTN 1-6 and enter CO Line number. See Table 5.25.1.**
	● ***To delete any of code,*** **press BTN 1 - 6 and press the** [SPEED] **button. See Table 5.25.1.**
	● **User can press [τ] button to jump next Tie Line Routing programming mode.**
TIE LINE ROUTING DIAL ROUTING NO 01-30	**(4) Press the** [HOLD/SAVE] **button for updating database permanently.**
TIE LINE ROUTING DIAL ROUTING NO 01-30	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to Step (1) without updating system memory.**

ITEM	BTN	RANGE	DEFAULT	REMARK
Tie Routing Table (1-30)	**1 - 6**	**01 - 48**	**-**	

TABLE 5.25.1 Tie Routing Table (PGM 65)

5.26 SYSTEM GAIN CONTROL (PGM 66)

PROCEDURE

GAIN (0 - 63): DKT EKT SLT COL DVU RCV PAGE MDM CPT	**(1)** [TRANS/PGM] + **66.**
GAIN (0 - 63): DCO WTU	● **Pressing [▼] button, the next field is displayed.**
DKT: DK33 EK33 SL35 CO46 DT08 TN33 DV33 1M33 2M33	**(2) The RX-gain of each device can be programmed. Press BTN 1-11 (Select a device type to change gain). The LCD shows RX gain of the device from other devices.**
DKT: WT38	● **Pressing [▼] button, the next field is displayed.**
DKT: WT45	**(3) To change gain, dial sequence number of associate device (1~9, *) and dial new gain (00-63) and LCD shows changed gain. (Ex. To change the RX gain of Wireless Terminal, press the sequence number '*' and dial the new gain.)**
ENTER PROGRAM CODE	**(4) Press the** [HOLD/SAVE] **button for updating database permanently.**
ENTER PROGRAM CODE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to *PGM number enter mode* without updating system memory.**

Abr.	ITEM	Abr.	ITEM
DKT/DK	**Digital Keyset**	**MDM**	**Modem**
EKT/EK	**Analog Keyset**	**CPT**	**Call Progress Tone Detector**
SLT/SL	**SLT**	**DCO**	**Digital CO (CEPT)**
COL/CO	**CO Line**	**WTU**	**Wireless Terminal Unit**
DVU/DV	**Digitized Voice Unit**	**TN**	**Tone**
RCV/DT	**DTMF Receiver**	**1M**	**BGM Channel 1**
PAGE	**External Page**	**2M**	**BGM Channel 2**

TABLE 5.26.1 Abbreviation

BTN	ITEM
1	**Digital Keyset RX Gain Control**

2	**Analog Keyset RX Gain Control**
3	**SLT RX Gain Control**
4	**CO Line RX Gain Control**
5	**DVU RX Gain Control**
6	**DTMF-Receiver RX Gain Control**
7	**External Page RX Gain Control**
8	**Modem TX/ RX Gain Control**
9	**CPT RX Gain Control**
10	**Digital CO RX Gain Control**
11	**Wireless Terminal RX Gain Control**
12	**Digital CO RX Gain Control for R2 Sender**

TABLE 5.26.2 Button Configuration for System Gain Control (PGM 66)

5.27 SYSTEM SPEED ZONE ACCESS (PGM 67)

PROCEDURE

SYSTEM SPD ZONE PGM ENTER ZONE NO (01-xx)	**(1)** [TRANS/PGM] **+ 67.**
SYSTEM SPD ZONE 01 ZONE STA TCHK	**(2) Enter Zone Number (01 - xx).**
ENTER NEW ZONE RANGE ZONE 01 : xxx - xxx	**(3) To enter speed zone range, press BTN 1 and dial related new zone range.**
ENTER NEW STA RANGE ZONE 01 : xxx - xxx	**(4) To enter station range, press BTN 2 and dial related new station range.**
	(5) To toggle speed zone toll check, press BTN 3, then LED 3 shows toll check status of current zone.
ENTER PROGRAM CODE	**(6) Press the** [HOLD/SAVE] **button for updating database permanently.**
ENTER PROGRAM CODE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to *PGM number enter mode* without updating system memory.**

BTN	ITEM	RANGE	DEFAULT			REMARK
			100	162	FPII	

1	**Speed Bin Range in Zone**		**300-399**	**400 -999**	**300-399**	
2	**Station Range to Access Zone**	**STA No.**	**100 -235**	**100 -291**	**100-177**	
3	**Toll Checking**	**YES/NO**	**YES**			

TABLE 5.27.1 Button Configuration for System Speed Dial Zone (PGM 67)

5.28 ACNR TONE CADENCE (PGM 68)

Ring back tone, Busy tone, Error tone and secondary dial tone can be programmed for ACNR.

PROCEDURE

ACNR TONE CADENCE (20 MS) RBACK BUSY ERROR S_DIAL	**(1)** [TRANS/PGM] + **68.**
ACNR TONE CADENCE (20 MS) ON:050 OFF:250 (255:CON)	**(2) To change ACNR tone cadence, press BTN 1-4 and dial 1 (means ON) or 2 (means OFF) and dial 3 digits for new cadence. (Ex. Press BTN 1 to change for ring back cadence)**
ENTER PROGRAM CODE	**(3) Press the** [HOLD/SAVE] **button for updating database permanently.**
ENTER PROGRAM CODE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to *PGM number enter mode* without updating system memory.**

BTN	ITEM	RANGE	DEFAULT	REMARK
1	**Ring-Back Tone**	**000 - 255**	**ON: 050 / OFF: 100**	**20msec base**
2	**Busy-Tone**	**000 - 255**	**ON: 025 / OFF: 025**	**20msec base**
3	**Error-Tone**	**000 - 255**	**ON: 012 / OFF: 012**	**20msec base**
4	**2nd-dial-Tone**	**000 - 255**	**ON: 070 / OFF: 000**	**20msec base**

TABLE 5.28.1 Button Configuration for ACNR Cadence (PGM 68)

5.29 SYSTEM TONE FREQUENCY (PGM 69)

Frequency, user entered (dial tone, ring back tone, error tone, busy tone), may be changed to the closest system frequency that provides.

PROCEDURE

SYS-TONE FREQUENCY DIAL RBACK BUSY ERROR	**(1)** [TRANS/PGM] + **69.**
SYS-TONE FREQUENCY T1:0425 T2:0000 (0:NONE)	**(2) To change system tone frequency, press BTN 1-4 and dial 1 (T1) or 2 (T2) and dial 4 digits for new frequency (Ex. BTN 1 is pressed to change for new dial tone frequency).**
ENTER PROGRAM CODE	**(3) Press the** [HOLD/SAVE] **button for updating database permanently.**
ENTER PROGRAM CODE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to *PGM number enter mode* without updating system memory.**

BTN	ITEM	RANGE	DEFAULT	REAMRK
1	**Dial Tone**	**0000 - 9999**	**T1: 0425 T2: 0000**	**Hz**
2	**Ring Back Tone**	**0000 - 9999**	**T1: 0425 T2: 0000**	**Hz**
3	**Busy Tone**	**0000 - 9999**	**T1: 0425 T2: 0000**	**Hz**
4	**Error Tone**	**0000 - 9999**	**T1: 0620 T2: 0000**	

TABLE 5.29.1 Button Configuration for System Tone Frequency (PGM 69)

5.30 WORLD TIME ATTRIBUTE (PGM 71)

System will display the local time of dialed area instead of related line number when a user tries an international call.

PROCEDURE

WORLD TIME ATTRIBUTE DISP C/F LNTH:3 ISD:00

(1) [TRANS/PGM] **+ 71. LEDs of BTN 1-2 and LCD shows current status of World Time Attribute.**

(2) To program World Time Attribute, use the BTNs as Table 5.30.1.

- **Press BTN 1-2 for toggle setting. (LEDs of BTN 1-2 related to each feature mean current status)**
- ***To program ISD code length*, press BTN 3 and dial one of 1-4.**
- ***To assign International Subscriptor Dialing code,* press BTN 4 and dial ISD code.**

WORLD TIME ATTRIBUTE DISP C/F LNTH:3 ISD:00

(3) Press the [HOLD/SAVE] **button for updating database permanently.**

ENTER PROGRAM CODE

- **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to *PGM number enter mode* without updating system memory.**

BTN	ITEM	RANGE	DEFAULT(LED)	REMARK
1	**Display World Time**	**YES/NO**	**NO (OFF)**	**Determines whether system will display a world time or not.**
2	**Celsius/Fahrenheit**	**C/F**	**Celsius (ON)**	
3	**ISD Code Length**	**1 - 4**	**3**	
4	**ISD Code**	**-**	**000**	**3 digits**

TABLE 5.30.1 World Time Attribute (PGM 71)

5.31 WORLD TIME (PGM 72)

If this time is set and assigned to be displayed at PGM 71, then system will display the local time of dialed area instead of related line number when a user tries an international call. System allows maximum 20 nation's local time and temperature.

PROCEDURE

DISPLAY WORLD TIME ENTER BIN NO (00-19)	**(1)** [TRANS/PGM] + **72.**
BIN 00 : WORLD TIME NAT AREA TIME TEMP	**(2) To enter World Time, dial bin number (00-19) (Ex. Dial bin number 00)**
UN-KNOWN : ENTER NEW NATION CODE	**(3) To assign** nation code**, press BTN 1 and enter nation code. (Ex. "82" for KOREA)**
KOREA : 82 ENTER NEW NATION CODE	● **If nation code "82" is already registered then LCD is displayed as left side.**
AREA : 0343 ENTER NEW AREA CODE	**(4) To assign** area code**, press BTN 2 and enter area code. If area code "0343" is already registered, then LCD is displayed as left side.**
TIME : 00 ENTER TIME (00 - 23)	**(5) To assign the** equation of time **between your and destination area, press BTN 3 and dial 2 digits.**
MONTHLY TEMPERATURE SELECT MONTH (FLEX 1-12)	**(6) To assign monthly average** temperature **of the area, press BTN 4.**
MONTH : 01 TEMP : 020 ENTER NEW TEMPERATURE	● **Use the BTN 1-12 for 12 month and dial 3-digit temperature value. (Ex. Press BTN 1 for January, and dial 020)**
BIN 00 : WORLD TIME NAT AREA TIME TEMP	**(7) Press the** [HOLD/SAVE] **button for updating database permanently.**
ENTER PROGRAM CODE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to *PGM number enter mode* without updating system memory.**

5.32 VM DIALING TABLE (PGM 73)

PROCEDURE

VOICE MAIL DIALING TBL ENTER FLEX KEY (1-9)	**(1)** [TRANS/PGM] + **73.**
VOICE MAIL 1 PREFIX OR SUFFIX (0-1)	**(2) To program each dialing table, press BTN as Table 5.32.1.**
VOICE MAIL 1 PRE XXXXXXXXXXXX	**(3) Enter digits (0-9, *, #, Pause) within 12 characters. To enter the pause, press the** [CALLBK] **button.**
ENTER PROGRAM CODE	**(4) Press the** [HOLD/SAVE] **button for updating database permanently.**
ENTER PROGRAM CODE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to *PGM number enter mode* without updating system memory.**

BTN	ITEM	DEFAULT	REMARK
1	**VM Table 1**	**Prefix : P#** **Suffix : -**	**Put Mail**
2	**VM Table 2**	**Prefix : P##** **Suffix : -**	**Get Mail**
3	**VM Table 3**	**Prefix : -** **Suffix : -**	
4	**VM Table 4**	**Prefix : P#*0P** **Suffix : -**	
5	**VM Table 5**	**Prefix : P#*4P** **Suffix : -**	**No Answer Table**
6	**VM Table 6**	**Prefix : P#*5P** **Suffix : -**	**Error Table**
7	**VM Table 7**	**Prefix : P#*3P** **Suffix : -**	**Busy Table**
8	**VM Table 8**	**Prefix : P#*6P** **Suffix : -**	**DND Table**
9	**VM Table 9**	*****	**Disconnect Table**

TABLE 5.32.1 Voice Mail Table (PGM 73)

5.33 CO LINE NAME TABLE (PGM 74)

The CO line name may be displayed instead of CO line number.

PROCEDURE

DISPLAY COL NAME ENTER BIN NO (01-10)	**(1)** [TRANS/PGM] **+ 74.**
DISPLAY COL NAME BIN 01 : …..	**(2) To enter CO line name, dial bin number (01-10).**
DISPLAY COL NAME BIN 01 : SALES	**(3) Enter the name within 12 characters.** **(Refer to the TABLE 5.23.1 English Character Set)**
ENTER PROGRAM CODE	**(4) Press the** [HOLD/SAVE] **button for updating database permanently.**
ENTER PROGRAM CODE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to *PGM number enter mode* without updating system memory.**

5.34 RING FREQUENCY (PGM 75)

Frequency for 4 differential rings may be changed to the closest ring frequency that provides.

PROCEDURE

RING FREQUENCY RNG1 RNG2 RNG3 RNG4	**(1)** [TRANS/PGM] **+ 75.**
RING FREQUENCY T1:1000 T2:1020 (0:NONE)	**(2) To change ring frequency of called party, press BTN 1-4 and dial 1 (T1) or 2 (T2) and dial 4 digits of new frequency (Ex. Press BTN 1 to change for new ring 1 frequency).**
ENTER PROGRAM CODE	**(3) Press the** [HOLD/SAVE] **button for updating database permanently.**
ENTER PROGRAM CODE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to *PGM number enter mode* without updating system memory.**

BTN	ITEM	RANGE	DEFAULT	REMARK

1	**Ring 1 Frequency**	**0000 - 9999**	**T1: 1000 T2: 1020**	
2	**Ring 2 Frequency**	**0000 - 9999**	**T1: 0890 T2: 0910**	
3	**Ring 3 Frequency**	**0000 - 9999**	**T1: 1260 T2: 1280**	
4	**Ring 4 Frequency**	**0000 - 9999**	**T1: 0800 T2: 0820**	

TABLE 5.34.1 Button Configuration for Ring Frequency (PGM 75)

5.35 DISTINCT RING FREQUENCY (PGM 76)

Frequency for 4 differential rings can be changed to the closest ring frequency that provides.

PROCEDURE

DISTINCT RING FREQUENCY RNG1 RNG2 RNG3 RNG4	**(1)** [TRANS/PGM] + **76.**
RING FREQUENCY T1:1000 T2:1020 (0:NONE)	**(2) To change ring frequency of calling party, press Flex. BTN (1- 4) and dial 1 (T1) or 2 (T2) and dial 4 digits for new frequency (Ex Press Flex. BTN 1 to change for new ring 1 frequency).**
ENTER PROGRAM CODE	**(3) Press the** [HOLD/SAVE] **button for updating database permanently.**
ENTER PROGRAM CODE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to *PGM number enter mode* without updating system memory.**

BTN	ITEM	RANGE	DEFAULT	REMARK
1	**Distinct Ring 1**	**0000 - 9999**	**T1: 0480 T2: 0000**	
2	**Distinct Ring 2**	**0000 - 9999**	**T1: 0400 T2: 0000**	
3	**Distinct Ring 3**	**0000 - 9999**	**T1: 0620 T2: 0000**	
4	**Distinct Ring 4**	**0000 - 9999**	**T1: 0770 T2: 0000**	

TABLE 5.35.1 Button Configuration for Distinct Ring Frequency (PGM 76)

5.36 DIGITAL CO TX GAIN CONTROL TABLE (PGM 77)

PROCEDURE

DCO TX GAIN: DKT EKT SLT COL DVU RCV CPT W R2	**(1)** [TRANS/PGM] **+ 77.**
DKT: DCO33	**(2) The device TX-Gain can be programmed. Press BTN 1-8 (Select a device type to change gain).**
	● **To change gain, dial sequence number of associate device and dial new gain (00 - 63) and LCD shows the changed gain.**
ENTER PROGRAM CODE	**(3) Press the** [HOLD/SAVE] **button for updating database permanently.**
ENTER PROGRAM CODE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to *PGM number enter mode* without updating system memory.**

BTN	ITEM	RANGE	REMARK
1	**Digital Keyset**	**00 - 63**	
2	**Analog Keyset**	**00 - 63**	
3	**SLT**	**00 - 63**	
4	**CO**	**00 - 63**	
5	**DVU**	**00 - 63**	
6	**DTMF Receiver**	**00 - 63**	
7	**CPT**	**00 - 63**	
8	**WTU**		
9	**R2 Receiver**		

TABLE 5.36.1 Button Configuration for Digital CO TX Gain Table (PGM 77)

5.37 DIGIT INSERTION TABLE (PGM 78)

This is for PABX transparency feature.

PROCEDURE

DIGIT INSERT TBL ENTER BIN NO (1 - 5)	**(1)** [TRANS/PGM] **+ 78.**
PRESS FLEX BUTTON DIAL_DGT INS_DGT CO_GRP	**(2) Dial bin number (1-5). (Ex. Dial bin number 1.)**
BE DIALED DIGIT 01 :9	**(3) To enter the dial_dgt, press BTN 1 and enter digits within 2 digits.**
BE INSERTED DIGIT 01 :123P	● **To enter the insert_dgt, press BTN 2 and enter digits within 4 digits.**
CO GROUP 01 :01	● **To enter the CO group, press BTN 3 and enter 2 digits for CO group number.**
ENTER PROGRAM CODE	**(4) Press the** [HOLD/SAVE] **button for updating database permanently.**
ENTER PROGRAM CODE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to *PGM number enter mode* without updating system memory.**

BTN	ITEM	RANGE			DEFAULT	REMARK
		162	100	FPII		
1	**Dialed Digit**	**2 Digits**			**-**	
2	**Inserted Digits**	**4 Digits**			**-**	
3	**CO Group**	**01 - 48**	**01 - 24**	**01 - 09**	**-**	

TABLE 5.37.1 Button Configuration for Digit Insertion Table (PGM 78)

5.38 CUSTOM CALL ROUTING (PGM 79)

When a call comes into the system through DISA/DID, the external user can route the system by pressing only one digit. For example, if the station number 100 is recorded in Flex. Button 2 and DISA external user dials '1', then the call comes to STA 100. To use this feature, DVU (EDVU) must be installed.

PROCEDURE - 1 (with MEMU in S/W version x.5 or later)

CUSTOM CALL ROUTING SELECT CCR TABLE (01-09)	**(1)** [TRANS/PGM] **+ 79.** **To select CCR table number, dial 01~09.**
CUSTOM CALL ROUTING : 01 PRESS FLEX KEY (1-10)	● **To select each entry number of CCR table, press Flex. BTN 1~10, then the entered data will be displayed on the LCD.**
CUSTOM CALL ROUTING : 01 INPUT 0 : STA 100	**(2) To program station number, dial the station number. (Ex. Dial station number '100')**
CUSTOM CALL ROUTING : 01 INPUT 0 : HUNT GRP 621	**(3) To program Hunt Group, dial a hunt group number. (Ex. Dial Hunt group 621.)**
CUSTOM CALL ROUTING : 01 INPUT 0 : DVU ANNC 1	**(4) To program system announcement, press the** [DND/FOR] **button and dial a DVU system announcement number.** **(Ex. Press [DND/FOR] button and dial 1 1 for Sys. Annc. No.1)**
CUSTOM CALL ROUTING : 01 INPUT 0 : DVU ANNC 1 (D)	**(5) To program system drop the CO line after providing the announcement, press the** [DND/FOR] **button, dial a DVU system announcement number and # button to drop the CO line.**
CUSTOM CALL ROUTING : 01 INPUT 0 : …	**(6) To delete the content of entry, press the** [SPEED] **button.**
CUSTOM CALL ROUTING : 01 INPUT 0 : DVU ANNC 1	**(7) Press the** [HOLD/SAVE] **button for updating database permanently.**

PROCEDURE - 2 (without MEMU)

CUSTOM CALL ROUTING (0-9) BIN0: ….	**(1)** [TRANS/PGM] **+ 79.**
CUSTOM CALL ROUTING (0-9) BIN1: ….	● **To program, press flex. button 01-10, then it will be displayed entered data on the LCD. (Ex. Pressing flex. button 2)**

CUSTOM CALL ROUTING (0-9) BIN1: STA 100	**(2) To program station number, dial the station number. (Ex. Dial station number '100')**
CUSTOM CALL ROUTING (0-9) BIN1: HUNT GRP 621	**(3) To program Hunt Group, dial a hunt group number. (Ex. Dial Hunt group 621.)**
CUSTOM CALL ROUTING (0-9) BIN1: DVU ANNC 1	**(4) To program system announcement, press '#' key and dial a DVU system announcement number. (Ex. Dial '#' key and announcement number 1 for Sys. Annc. No.1)**
CUSTOM CALL ROUTING (0-9) BIN1: ….	**(5) To delete the content of entry, press the** [SPEED] **button.**
CUSTOM CALL ROUTING (0-9) BIN1: DVU ANNC 1	**(6) Press the** [HOLD/SAVE] **button for updating database permanently.**

5.39 NATION SPECIFIC PROGRAM (PGM 92) - Only for Australia

PROCEDURE

AS CLIP PROGRAM (1-3) PRESS FLEX KEY

(1) [TRANS/PGM] + **92.**
Pressing Flex. BTN 1, the LCD will be shown as PGM 01 (Station Port Program) and the program method is the same.

01 02 03 04 05 06 07 08 .. ..

(2) Pressing Flex. BTN 1, all LEDs are distinguished, the first line is matched to the CPE port number and the second line is matched to the CO number of GDK system.

01 02 03 04 05 06 07 08 01 .. ..

- **After pressing Flex. BTN 1, dial '01' for CO number 01 and press the** [HOLD/SAVE] **button. Then the LCD shows as left.**
  Pressing the [SPEED] **button twice, "CPE CO PROGRAM" is initialized and pressing the** [HOLD/SAVE] **button, then the changed data is stored.**

CLIP PORT SELECT (0-1) PORT : ..

(3) Pressing Flex. BTN 2 at the first LCD, 'PORT SELECTION PGM" is displayed for connecting CPE with RS-232C cable.
GDK-162: 0 -> RS-232C on MPB, 1-> MODU
GDK-100: 0 -> RS-232C on MPB, 2-> RS-232C (2) on MISB, 3-> RS-232C (3) on MISB
GDK-FPII: 0 -> SIU1, 1-> SIU2 (MODU)
Pressing the [SPEED] **button, the value goes to NULL. The default value is NULL.**

CLIP NAME OR TEL (0-1) DISP: NAME OFF

(4) Press Flex. BTN 3 at the first LCD to determine the GDK system shows Tel. No (CLI) or Tel. Name in CLI data.

BTN	ITEM	SUB-BTN	DEFAULT	DATA	REMARK
1	**CPE CO Connection Program**	**Flex BTN 1~8**	**-**		**To match CPE port number with the CO number of the system, this field is used.**
2	**CPE Port Selection Program**	**2nd**	**-**	**162: 0 -> RS-232C on MPB, 1-> MODU** 100: 0 -> RS-232C on MPB, 2-> RS-232C (2) on MISB **FPII: 0 -> SIU1, 1-> SIU2 (MODU)**	**To connect CPE with system using RS-232C cable, this field is used.**

3	**CLI Tel No. or Name Display**	**3rd**	**OFF**	**0: Name Display OFF 1: Name Display ON**	**Determine the system shows Tel No.(CLI) or Name in CLI data.**

TABLE 5.39.1 Nation Specific System Program - 1 (PGM 92)

5.40 SYSTEM ATTRIBUTES - V (PGM #1)

PROCEDURE

SYSTEM ATT5 PRESS FLEX BUTTON (1-6)	(1) [TRANS/PGM] **+ # 1.**
VIRTUAL DIP SWITCH : F1 - F4 CTS SOFT ECHO XONOFF	**(2) To program Virtual Dip Switch, press Flex Button 1. (LED of Flex button 4 and 6 indicate the current status). Program Virtual Dip Switch using the below Table.**
ENTER PROGRAM NO	● **Press the** [HOLD/SAVE] **button to save Virtual Dip Switch data permanently.**
ASSIGN MOH SLT: F1-F5 AAAA BBBB CCCC DDDD	**(3) To program MOH Channel using SLT Port, press Flex Button 2. (The LCD indicates each MOH channel assigned SLT station No.)**
SYSTEM ATT5 PRESS FLEX BUTTON (1-2)	● **Press the** [HOLD/SAVE] **button to save MOH port data permanently.**
BAUD RATE OF PORT(F1-F4) PT1 PT2 PT3 PT4	(4) To program Baud Rate for port, press Flex button 3. (LCD indicates each Port's baud rate which can be assigned from 300 ~ 38400). And press Flex. Button which you want to change Port baud rate. And dial one digit from 1 to 8. **Ex) GDK-100 has 4 ports and FPII has 2 port**
SYSTEM ATT5 PRESS FLEX BUTTON (1-4)	● **Press the** [HOLD/SAVE] **button to save the value permanently.**
LINE NUM FOR PAGE (F1-F4) PT1 PT2 PT3 PT4	**(5) To program number of lines per page per port, press Flex. Button 4. (The LCD indicates each page line number of page which can be assigned from 01~99). And press Flex. Button which you want to change the port line number. And dial two digits from 01 to 99. Ex) GDK-100 has 4 ports and FPII has 2 ports**

SYSTEM ATT5 PRESS FLEX BUTTON (1-4)

- **Press the** [HOLD/SAVE] **button to save the value permanently.**

FORM FEED OF PORT (F1-F4) PT1 PT2 PT3 PT4

(6) To program whether if Form feed is sent to port, press Flex Button 5.
(LCD indicates each port's Form Feed which can be assigned to ON/OFF). Press Flex Button which you want to change Port Line Number and dial two digits from 01 to 99.
Ex) GDK-100 has 4 ports and FPII has 2 ports

SYSTEM ATT5 PRESS FLEX BUTTON (1-4)

- **Press the** [HOLD/SAVE] **button to save the value permanently.**

PRT CHANNEL : SMDR1 ADM SMDI SMDR2 TRACE

(7) To program Print Channel per Port, press Flex button 6.
(LCD indicates each Print function which can be separated by port).
Ex) LCD status in GDK-162

PRT PORT:ADM SMDR1 SMDR2 SMDI STAT INFO TRC

Ex) LCD status in GDK-100

PRT PORT:ADM SMDR1 SMDR2 SMDI STAT INFO TRC I-TRC

Ex) LCD status in GDK-FPII

SYSTEM ATT5 PRESS FLEX BUTTON (1-4)

- **Press the** [HOLD/SAVE] **button to save the value permanently.**

BTN	ITEM	BTN	ITEM	DEFAULT	DATA	REMARK
1	**Virtual DIP Switch**	**1**	**CTS DIP**	**Not-assigned**	**ON/OFF (LED)**	**GDK -FPII Only**
		2	**SOFT DIP**			
		3	**ECHO DIP**			
		4	**ONOFF DIP**			
2	**Assign MOH via SLT**	**1**	**MOH 5**	**Not-assigned**	**SLT Station NO.**	
		2	**MOH 6**			
		3	**MOH 7**			
		4	**MOH 8**			
		5	**MOH 9**			
6.1	Print Port Selection (GDK-162)	**1**	**Off-line SMDR/Statistics Print**	**RS-232 on MPB**	**1-2**	**1: RS-232 on MPB** **2: MODU**
		2	**ADMIN Print**	**RS-232 on MPB**	**1-2**	
		3	**SMDI Print**	**RS-232 on MPB**	**1-2**	
		4	**Info/ On-line SMDR**	**RS-232 on MPB**	**1-2**	
		5	**Trace**	**RS-232 on MPB**	**1-2**	
6.2	**Print Port Selection** (GDK-100/FPII)	**1**	**ADMIN Print**	**RS-232 on MPB**	**1-2 or 1-4**	**In GDK-100,** **1: RS-232 on MPB** **2: MODU** **3: RS-232 I on MISB** **4: RS-2332 II on MISB** **In GDK-FPII,** **1: SIU1** **2: SIU2** **GDK-FPII Only**
		2	**Off-line SMDR Print**	**RS-232 on MPB**	**1-2 or 1-4**	
		3	**On-line SMDR Print**	**RS-232 on MPB**	**1-2 or 1-4**	
		4	**SMDI Print**	**RS-232 on MPB**	**1-2 or 1-4**	
		5	**UCD statistics Print**	**RS-232 on MPB**	**1-2 or 1-4**	
		6	**Information Print**	**RS-232 on MPB**	**1-2 or 1-4**	
		7	**Trace**	**RS-232 on MPB**	**1-2 or 1-4**	
		8	**ISDN Board Trace**	**RS-232 on MPB**	**1-2**	

TABLE 5.40.1 Button Configuration of System Attributes - V (PGM #1)

6. TOLL TABLES

To program TOLL TABLES, press the [TRANS/PGM] **button and dial 64 or 70. Toll tables are used to have access to certain call types based on station and CO COS status. Allow/Deny Table A & B allow the station that is programmed in STA COS 2, 3 & 4 to have access to certain toll free calls as well as being denied certain calls.**

6.1 TOLL TABLES (PGM 70)

The Allow/Deny Tables are organized into 2 sets of tables to support 2 different toll plans at one installed site. Each allow table may contain up to 20 number strings and each deny table 10 number strings. All bins of allow and deny tables have no entries by default. Each number string can contain up to 8 entries including any number 0-9, *, #, "Don't care", "stop".

The following rules should be remembered when setting up the Allow/Deny Tables;

(1) If the tables have no entries, no restriction is applied.

(2) If entries are made in the allow table and only there, then only those numbers are allowed.

(3) If entries are made in the deny table and only there, then only those numbers are denied.

(4) If there are entries in both tables, the allow table is searched at first and if number is found, it is allowed. If not found, the deny table is searched and if number is found, it is denied. If it is not found in either table, it is allowed.

RULE	ENTRY		CONDITIONS & RESULT	
	ALLOW	DENY	ALLOW TABLE	DENY TABLE
1	**NO**	**NO**	**No Restriction**	**No Restriction**
2	**YES**	**NO**	**Found – allowed** **Not found - denied**	
3	**NO**	**YES**		**Found - denied** **Not found - allowed**
4	**YES**	**YES**	**Found - allowed** **Not found - check deny table**	**Found - denied** **Not Found - allowed**

TABLE 6.1.1 Allow/Deny Rules (PGM 70)

PROCEDURE

EXCEPTION TABLES PRESS FLEX KEY 1-4

(1) [TRANS/PGM] **+ 70.**

(2) To program Exception Tables, use the BTNs as TABLE 6.1.2.

ALLOW TABLE A ENTER BIN NO 01-20

(3) Press a Flex. Button to program a table. (Ex. Press BTN 1: Allow Table A)

ALLOW TABLE A BIN 01 : E

(4) Dial bin number: *(01-20 for Allow Table / 01-10 for Deny Table)*. Refer to TABLE 6.1.3 and enter data. Each entry can be entered up to 8 digits. Press the [SPEED] **button, and the LCD display will be now updated. 'E' means end of data entry.**

- **To delete exception number, press the** [SPEED] **button without entering any data.**

ENTER PROGRAM CODE

(5) Press the [HOLD/SAVE] **button for updating database permanently.**

ENTER PROGRAM CODE

- **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to *PGM number enter mode* without updating system memory.**

BTN	ITEM	DEFAULT	ENTRY	REMARK
1	**ALLOW A**	**-**	**01 - 20**	
2	**DENY A**	**-**	**01 - 10**	
3	**ALLOW B**	**-**	**01 - 20**	
4	**DENY B**	**-**	**01 - 10**	

TABLE 6.1.2 Button Configuration for Toll Tables (PGM 70)

VALID DATA	FUNCTION	LCD DISPLAY
0 - 9, *, #	**Numbers**	**as dialed**
[DND/FWD]	**Don't Care**	**'D'**
[SPEED]	**End of data**	**'E'**

TABLE 6.1.3 Data Entry of Toll Table (PGM 70)

6.2 CANNED TOLL TABLES (PGM 64)

In addition to the basic toll restrictions, stations with a COS 5 or 6 are subject to dial restrictions based on the “Canned” Allow and Deny tables. This program permits entries in the Canned Toll Tables. Both the Allow and Deny Table have 10 bins, each up to 8 digits.

PROCEDURE

CANNED TOLL TABLES PRESS FLEX KEY 1-2	**(1)** [TRANS/PGM] + **64.**
	(2) To program Canned Toll Tables, use the BTNs as TABLE 6.2.1.
ALLOW TABLE ENTER BIN NO 01-10	**(3) Press a Flex. Button to program a table. Press BTN 1: Allow Tables or press BTN 2: Deny Tables.**
ALLOW TABLE BIN 01 : E	**(4) Dial Bin number: *(01-10 for Allow Table / 01-10 for Deny Table).* Refer to Table 6.2.2 and enter data. Each entry can be up to 8 digits. Press the** [SPEED] **button, and the LCD display will be now updated. ‘E’ means end of data entry.**
	● **To delete table entry, press the** [SPEED] **button without entering any data.**
ENTER PROGRAM CODE	**(5) Press the** [HOLD/SAVE] **button for updating database permanently.**
ENTER PROGRAM CODE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to *PGM number enter mode* without updating system memory.**

BTN	ITEM	DEFAULT	ENTRY	REMARK
1	**ALLOW**	**-**	**01 - 10**	
2	**DENY**	**-**	**01 - 10**	

TABLE 6.2.1 Button Configuration for Canned Toll Table (PGM 64)

VALID DATA	FUNCTION	LCD DISPLAY
0 - 9, *, #	**NUMBER**	**as dialed**
[DND/FWD]	**Don’t Care**	**'D'**
[SPEED]	**End Of Data**	**'E'**

TABLE 6.2.2 Data Entry of Canned Toll Table (PGM 64)

7. DATABASE PRINT (PGM 80)

In order to obtain a hard copy printout of the database, a printer must be connected to the RS-232C connector.

PROCEDURE

PRINT DATABASE PRESS FLEX KEY (1-10)	**(1)** [TRANS/PGM] + **80.**
	(2) To print database, use the BTNs as Table 7.1.1. Press one of BTN 1-10 and if there are enter data for selecting printed part. Then selected database name will be displayed on the LCD.
PRINT COMPLETE DATABASE PRINTING	**(3) To print out the selected database at step (2), press the** [HOLD/SAVE] **button. (Ex. printing complete database). After printing database, will go to the step (1).**
ENTER PROGRAM CODE	● **Press [σ] button instead of the** [HOLD/SAVE] **button, then system goes to *PGM number enter mode* without updating system memory.**

BTN	ITEM	DATA	REMARK
1	**Print Flexible Numbering Plan**	**-**	
2	**Print Slot Assignment**	**-**	
3	**Print Station Attribute**	**Station Range**	
4	**Print Flex Buttons Assignment**	**Station Range**	
5	**Print CO Line Attribute**	**CO Range**	
6	**Print System Parameters**	**-**	
7	**Print Toll Tables**	**1**	**1 : Print Toll Table**
8	**Print System Speed Numbers**	**-**	
9	**Print Complete Database**	**-**	
10	**Print National Database**	**-**	

TABLE 7.1.1 Button Configuration for Database Print (PGM 80)

(Printing Example)

This printing example is in case of GDK-100 system. In GDK-162/GDK-FPII systems, printing format is the same as GDK-100 except the system size capacities.

Flexible Numbering Plan	**FLEXIBLE NUMBERING PLAN** **----------** **FLEX STATION NUMBER** **0 1 2 3 4 5 6 7 8** **100 101 102 103 104 105 106 107 108** **.** **.** **63 64 65 66 67 68 69 70 71** **163 164 165 166 167 168 169 170 171** **STATION GROUP PILOT NUMBER : 620 - 634** **SLT PGM MODE SELECT NUMBER : 3** **INTERNAL PAGE ZONES NUMBER : 401 - 415** **INTERNAL ALL CALL PAGE : 43** **MEET ME PAGE : 44** **EXTERNAL PAGE ZONE 1 : 46** **EXTERNAL PAGE ZONE 2 : 47** **EXTERNAL ALL CALL PAGE : 48** **ALL CALL PAGE : 49** **SMDR ACCOUNT CODE ENTER : 50** **FLASH COMMAND TO CO LINE : 51** **SLT LAST SPD_DIAL : 52** **DND : 53** **CALL FORWARD : 54** **SPEED DIAL PROGRAM : 55** **MESSAGE WAIT ENABLE : 56** **MESSAGE WAIT RETURN : 57** **SPEED DIAL ACCESS : 58** **DND/FWD CANCEL : 59** **CALL PARK LOCATIONS : 601 - 610** **ALARM RESET : 65** **GROUP CALL PICK UP : 66** **STATION DVU : 67** **NIGHT ANSWER : 69** **DIRECTED CALL PICK UP : 7** **CO GROUP ACCESS : 801 - 824** **INDIVIDUAL CO ACCESS : 8801 - 8848** **TIE ROUTING : 89** **ACCESS CO IN 1ST CO GROUP : 9** **ATTENDANT CALL : 0** **PRINT SMDR : *0** **PRINT SMDR ACCOUNT GROUP : *1** **DELETE SMDR : *2** **DELETE SMDR ACCOUNT G BASE : *3** **DISPLAY CALL CHARGE : *4** **ABORT PRINTING : **** **RETRIEVE HELD CO 4 BTN : 8##** **RETRIEVE IND HELD CO 4 BTN : 8#01 - 8#48** **DOOR OPEN RELAY 1 : #*1** **DOOR OPEN RELAY 2 : #*2** **DOOR OPEN RELAY 3 : #*3** **DOOR OPEN RELAY 4 : #*4**

Slot Assignment	**SLOT ASSIGNMENT** **----------** **0 1 2 3 4 5 6 7 8** **MPB DTIB ETIB SLIB SLIB DTIB LCOB BRIB DCOB** **0 0 1 2 3 4 2 1 0** **9 10 11 12** **SLIB WTIB DIDB PRIB** **5 6 4 3**
Station Attributes	**STATION ATTRIBUTES** **----------** **STA 100** **--------** **DND SPDA PAGE FWD PLA ASPK WARM SMDRH QUE WTONE OVRD AHLD** **N Y N N Y Y N N Y N N N** **DSEC MON SPK ALM IBOX COL NTA DVU VOVR DMRX PCALL** **N N Y Y Y Y N N N N N** **ID : KEYSET COS : DAY(1) / NIGHT(1)** **LINE GROUP ACCESS :** **1 2 3 4 5 6 7 8 9 10 11 12 13 14 15** **16 17 18 19 20 21 22 23 24** **ICM TENANCE GROUP : 1 GATD : ....** **ACCESS GROUP : 1** **PAGE : 1** **PREFWD : .... IDLE LINE SELECTION : ....** **SMDR ACCOUNT GROUP : ..** **STA 101** **--------** **:** ***(Printed like above for another station to range end station.)***
Flex Buttons Assignment	**FLEX BUTTON ASSIGNMENT** **----------** **STA 100 :** **1 2 3 4 25 26 27 28** **CO 1 CO 2 CO 3 CO 4 E102 E105 N66 N#*1** **5 6 7 8 29 30 31 32** **CO 5 CO 6 CO 7 CO 8 S01 S19 S200 S299** **.** **.** **21 22 23 24 45 46 47 48** **COG01 COG02 COG11 LOOP USER USER USER USER** **STA 101 :** **:** ***(Printed like above for all keysets)***

CO Line Attributes	**CO 1** **-----** **GRP COS COACT DISA DISAACT TYPE SIGNAL UNA FLASH** **1 1 N U Y CO DTMF N LOOP** **METER FLASH LOOP TIE DID** **NO 5 0 NM IMDT** **CO LINE 1 :: DAY DELAY RING ASSIGN** **100(U) 101(0) 102(U) 103(U) 104(U) 105(U) 106(U) 107(U)** **.** **.** **164(U) 165(U) 166(U) 167(U) 168(U) 169(U) 170(U) 171(U)** **CO LINE 1 :: NIGHT DELAY RING ASSIGN** **100(U) 101(0) 102(U) 103(U) 104(U) 105(U) 106(U) 107(U)** **.** **.** **164(U) 165(U) 166(U) 167(U) 168(U) 169(U) 170(U) 171(U)** **CO 2** **-----** **:** ***(Printed like above for another CO line)***

System Database	**NATIONALITY : KOREA (OFFICE)** **SYSTEM PARAMETERS** **----------** **SHLD PRIV PWRN PAGE OFFR MCNF BGM MOH BOX MUSIC LANG CLIP** **SYS Y Y Y MUTE Y 1 1 1 INT KOR NO** **EXTR ACEMOD W_TIME C/F(TEMP) ISD_LENGTH ISD_CODE** **N LCHOICE N CELSIUS 3 00** **EHR SHR XFR IRC ARC CRD PT CRG CWT CDD CPT PFT CFT APT** **60 30 30 30 1 2 3 20 180 1 120 10 10 30** **ADT ATT ANA ARC WRM CID PRE MRT HST HSB DNA ICM DOT FNA DRC** **30 15 30 3 5 3 15 0 5 1 20 30 20 15 3** **DTT IDT ART PTO RSD WKT MHF SMD DVU CDA ACD RPH BXF SAR** **10 5 30 15 60 10 20 0 20 3 0 5 50 60** **SMDR PASSWD MAIN-ATD** **0 .... 101 ....** **< WORLD TIME >** **BIN # : 0** **NAT_CODE : ....** **AREA_CODE : ....** **.** **STATION GROUPS** **----------** **STATION GROUPS** **620: NOT ASSIGN** **.** **EXEC/SEC PAIR :** **1 ..../.... 7 ..../....** **.** **6 ..../.... 12 ..../....** **ALARM ATTRIBUTES** **ENAB MODE CONTACT SIGNAL** **N ALARM CLOSE REPT** **EXT CONTROL CONTACT :** **1 : ..... 2 : .....** **.** **PABX ACCESS CODES : .. ..** **LONG DIST CODES : .. ..** **AUTHORIZATION CODES :** **DID-RCV-DGT DID-CONV DID-2ND-DIGIT-CONVERSION** **3 #*** 1234567890 -> 1234567890** **PULSE DIAL SPEED RATIO : 10PPS 66/33** **MODEM ASSIGN : MODE BAUD ASC_DEV NO.** **MODEM 02400 STA 171** **DATE & TIME : 94 10 20 11:45** **LCD DISPLAY : 12H DDMMYY**

System Database	**< VM DIALING TABLE >** **PREFIX SUFFIX** **1 .#E E** **.** **8 .#*6.E E** **VERSION : LGE/GS00P-1.0Aa OCT/95** **SAVE PRT TYPE PIC DETL BAUD CRCY** **N N LD N Y 09600 ...** **COST 000FRAC 2** **TIE LINE ROUTING TABLE** **1 = ... 2 = ...** **.** **29 = ... 30 = ...** **CUSTOM CALL ROUTING** **#1 #2 #3 #4 #5 #6 #7 #8 #9** **.. .. ..**
Toll Tables	**EXCEPTION TABLES** **----------** **ALLOW TABLE** **1=E 2=E 3=E 4=E** **5=E 6=E 7=E 8=E** **9=E 10=E 11=E 12=E** **13=E 14=E 15=E 16=E** **17=E 18=E 19=E 20=E** **DENY TABLE A** **1=E 2=E 3=E 4=E** **5=E 6=E 7=E 8=E** **9=E 10=E** **ALLOW TABLE B** **1=E 2=E 3=E 4=E** **5=E 6=E 7=E 8=E** **9=E 10=E 11=E 12=E** **13=E 14=E 15=E 16=E** **17=E 18=E 19=E 20=E** **DENY TABLE B** **1=E 2=E 3=E 4=E** **5=E 6=E 7=E 8=E** **9=E 10=E** **CANNED TOLL TABLES** **----------** **ALLOW TABLE** **1=011E 2=012E 3=015E 4=080E** **5=E 6=E 7=E 8=E** **9=E 10=E** **DENY TABLE** **1=101E 2=115E 3=E 4=E** **5=E 6=E 7=E 8=E** **9=E 10=E** **SYSTEM SPEED GROUPING** **COMMON TOLL_CHK : CHECK**

System Speed Dial Numbers	**SYSTEM SPEED NUMBERS** **----------** **200=.....** **201=.....** **:**
All Data	COMPLETE DATABASE PRINTING ---------- *print above all*