NEC

DT800 Series

IP Phone Manager User's manual

GVT-022200-001
Rev 8.5.0
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1. Outline of functions

IP Phone Manager is the application software it's able to control variously to IP Phone, without asking an intermediary to the PBX.

1.1. Service overview

The outline of service provided by IP Phone Manager is as follows.

Information gathering function

- Collect phone information

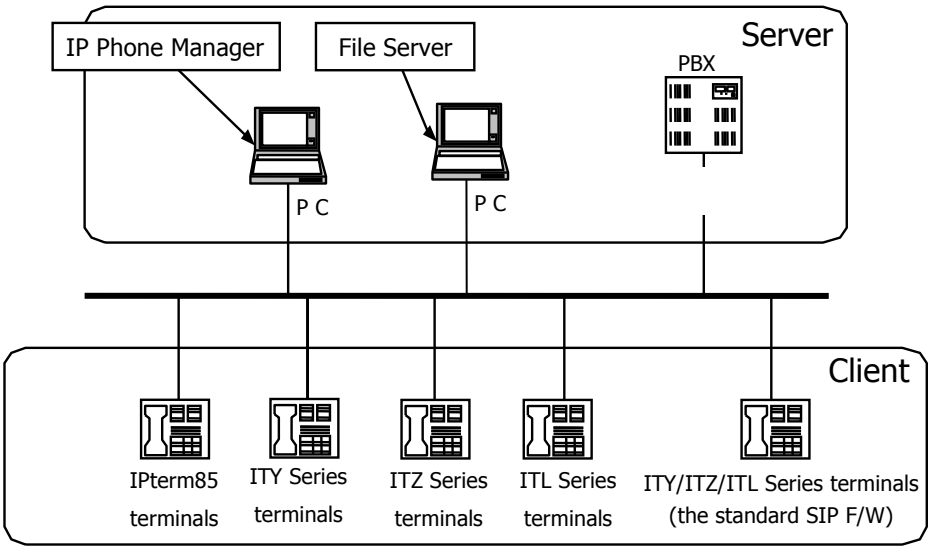
Remote control function

- Switch port control
- Reset
- Security lock
- Data reset
- Download
- Backup & Restore
- Collecting trouble information

1.2. Composition

This service consists of the IP Phone which is a client,
the application which is a server and the protocol cluster to communicate with a server with a client.

※ "The ITY Series terminals" is a general term of DT820 series IP Phones.



※ "The ITZ Series terminals" is a general term of DT800 series IP Phones.

※ "The ITL Series terminals" is a general term of DT700 series IP Phones.

※ "The ITY/ITZ/ITL Series terminals (the standard SIP F/W) "indicates "standard SIP terminal" at a manual.

2. The environment explanation

- **Supported OS**
  Windows 7 professional 32bit /64bit edition (SP1)
  Windows 8 Pro 32bit /64bit edition
  Windows 8.1 Pro 32bit/64bit edition
  Windows 10 Pro 32bit /64bit edition
- **The free space of the necessary hard disk**
  40MB
- **Others**
  The PC installing the IPM requires at least one network adapter.
  1) Need to install this application with the administrator account.
  2) Need to use this application with the administrator account.
  3) .NET Framework 4 needs to be installed in the PC in advance

  *If the .NET Framework 4 isn't being installed on the PC, the PC may be connected to the Internet during installation.

*Microsoft, Windows, .NET Framework, and the Windows logo are trademarks, or registered trademarks of Microsoft Corporation in the United States and/or other countries.
*An official name of Windows is Microsoft Windows Operating System.
*IP Phone Manager is built using Microsoft .NET Framework.
*Other company names and product names mentioned are trademarks or registered trademarks of each company. TM and ® are not specified.

Model of the terminal IP Phone Manager supports

The model IPPhoneManager supports is as follows.

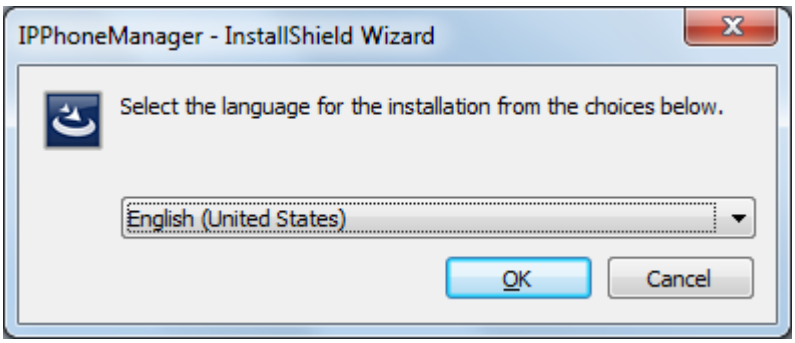
The model		The version which supports
DT820(6D)	ITY-6D	IP Phone Manager Ver 8.0.0 or later IP Phone F/W ver1.0.0.0 or later
	ITY-6DG	IP Phone Manager Ver 8.1.0 or later IP Phone F/W ver2.0.0.0 or later
DT820(8LDX)	ITY-8LDX	IP Phone Manager Ver 8.0.0 or later IP Phone F/W ver1.0.0.0 or later
	ITY-8LDG	IP Phone Manager Ver 8.1.0 or later IP Phone F/W ver2.0.0.0 or later
	ITY-16LD	
	ITY-16LDG	
	ITY-32LD	
	ITY-32LDG	
DT820(8LCGX)	ITY-8LCGX	IP Phone Manager Ver 8.5.0 or later IP Phone F/W ver3.2.0.0 or later
	ITY-32LCGX	
DT830	ITZ-12D	IP Phone Manager Ver 7.0.0 or later IP Phone F/W ver1.2.0.0 or later
	ITZ-24D	
	ITZ-32D	
	ITZ-24PA	
	ITZ-24PD	
	ITZ-32-DLK	IP Phone Manager Ver 7.1.0 or later IP Phone F/W ver2.0.0.0 or later
	ITZ-12D(Replacement)	IP Phone Manager Ver 7.2.0 or later IP Phone F/W ver3.0.0.0 or later
	ITZ-24D(Replacement)	
	ITZ-32D(Replacement)	
	ITZ-32DLK(Replacement)	
	ITZ-8LD(foreign)	
	ITZ-8LDG(foreign)	
	ITZ-24PAG	
	ITZ-24PDG	
DT830G	ITZ-12CG(foreign)	IP Phone Manager Ver 7.2.0 or later IP Phone F/W ver3.0.0.0 or later
	ITZ-24CG	IP Phone Manager Ver 7.1.0 or later IP Phone F/W ver2.0.0.0 or later
	ITZ-12DG(foreign)	IP Phone Manager Ver 7.2.0 or later IP Phone F/W ver3.0.0.0 or later
	ITZ-24DG	IPPhone Manager Ver 7.1.0 or later IP Phone F/W ver2.0.0.0 or later
DT750	ITL-320C	IP Phone Manager Ver 1.0.0 or later IP Phone F/W ver1.0.0.0 or later
DT730	ITL-12D	
	ITL-24D	
	ITL-32D	
	ITL-12PA	
	ITL-12PD	
	ITL-32DLK	
	ITL-8LD	
DT710	ITL-2E	
	ITL-6DE	
DT710(8LDE)	ITL-8LDE	IP Phone Manager Ver 5.1.0 or later IP Phone F/W ver5.0.0.0 or later
DT730G	ITL-12CG	IP Phone Manager Ver 6.0.0 or later IP Phone F/W ver1.0.0.0 or later
	ITL-24CG	
	ITL-12DG	
	ITL-24DG	
DT770G	ITL-2CR	IP Phone Manager Ver 6.1.0 or later IP Phone F/W ver1.1.0.0 or later
SL2100 IP Phone	IP7WW-8IPLD	IP Phone Manager Ver 8.3.0 or later IP Phone F/W ver1.0.0.0 or later
	IP7U-8IPLD	
IPterm85K	ITR-32K-1D	IP Phone Manager Ver1.0.0 or later IP Phone F/W ver03.52 or later

3. Setup

3.1. Installation procedure.

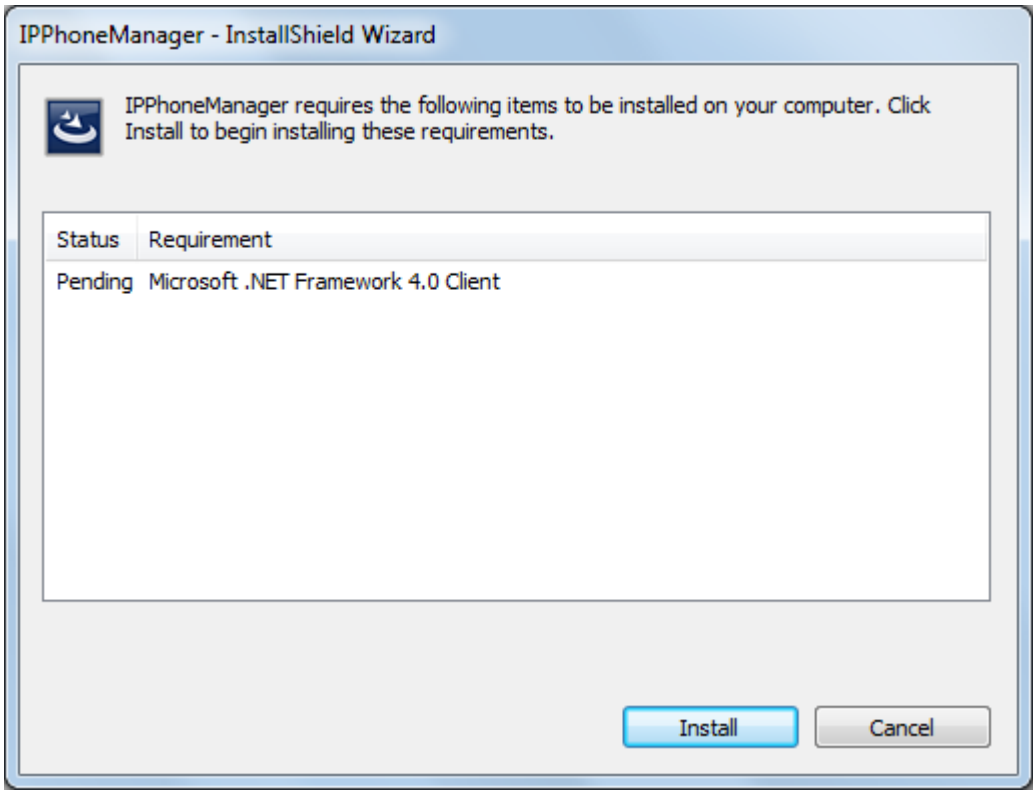
Step 1. Execute a "Setup.exe"

Step 2. The following screen chooses "English(United States)" and click "OK".

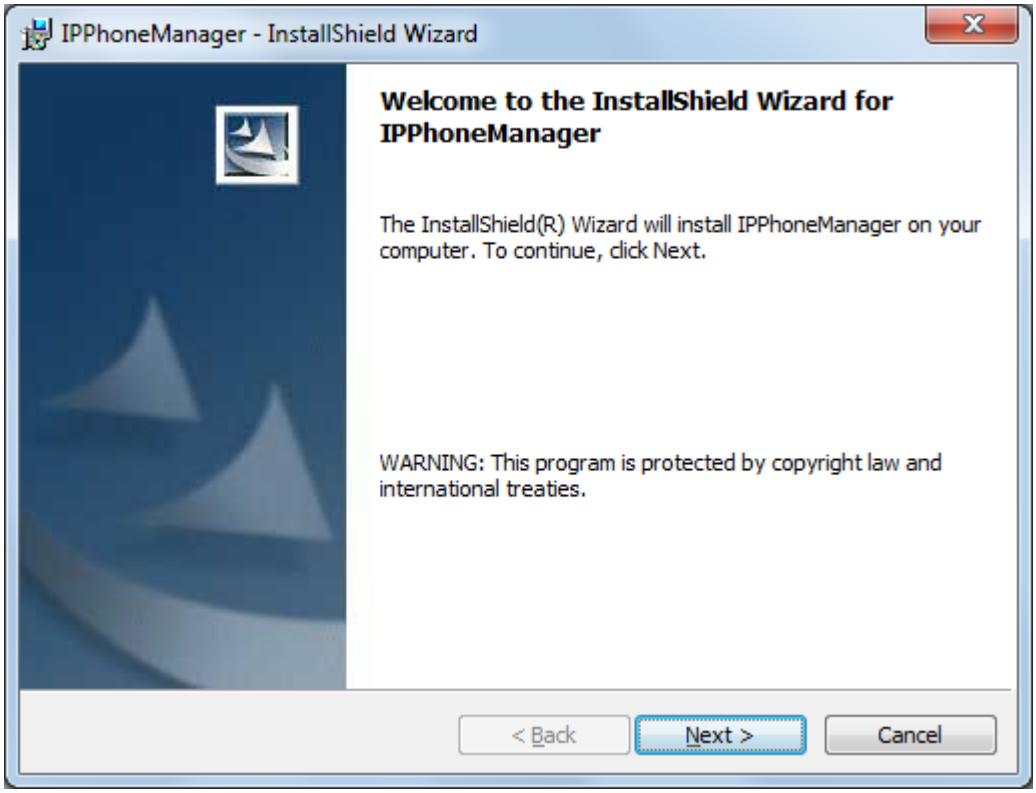


*The OS which is being used.
case of Windows7 : next step is "step.3".
case of Windows8 or later: next step is "step 4".

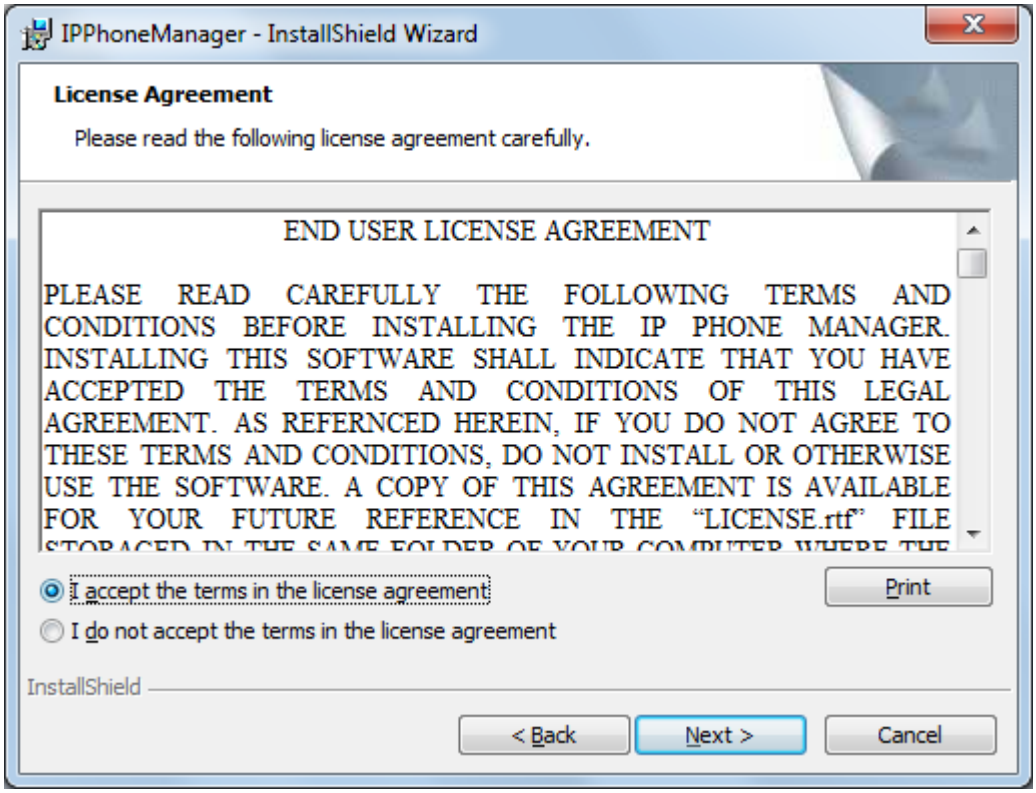
Step 3. If the following screen is displayed, clicking "Install" will install .NET Framework 4.0 on your PC.



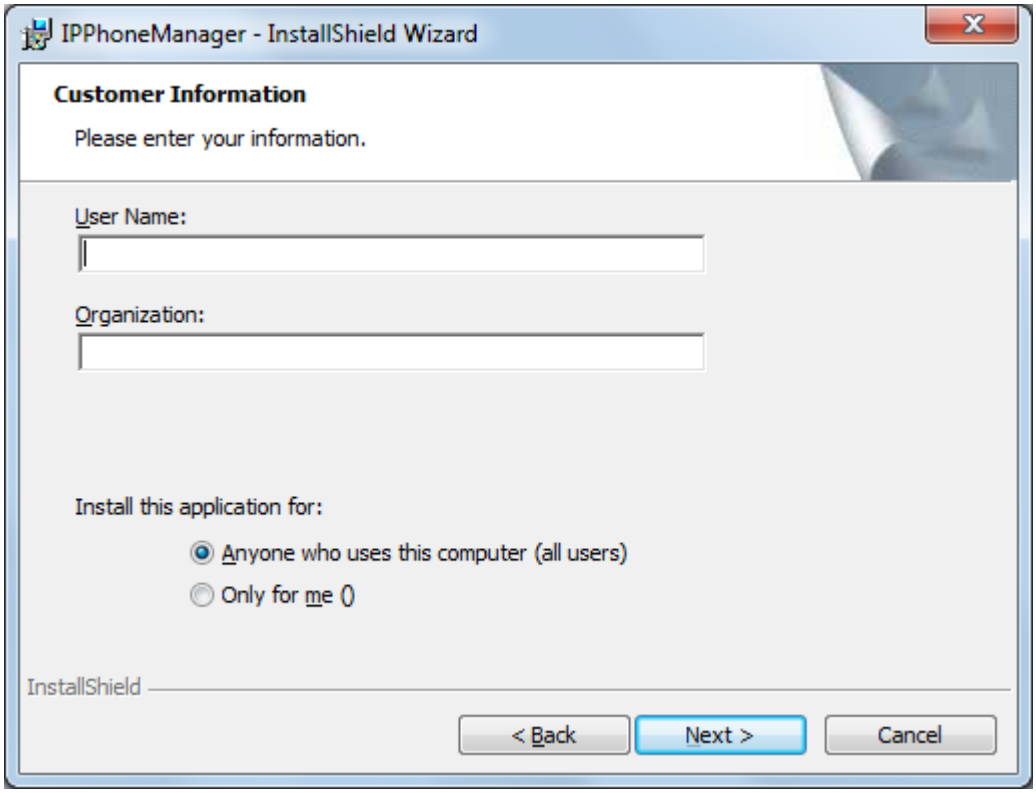
Step 4. When the following screen is displayed, click "Next".



Step 5. When the following screen is displayed, please read carefully the contents of the license agreement, check "I agree with the terms of the license agreement" and click "Next".

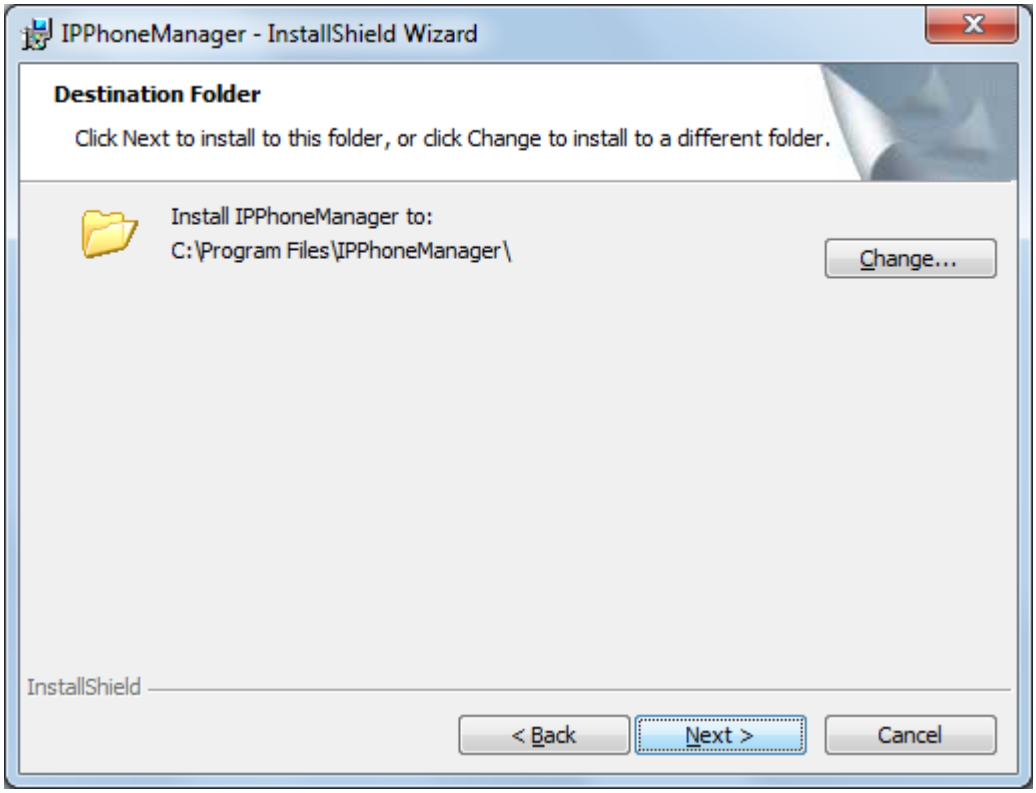


Step 6. When the following screen is displayed, enter your user name and affiliation and click "Next".

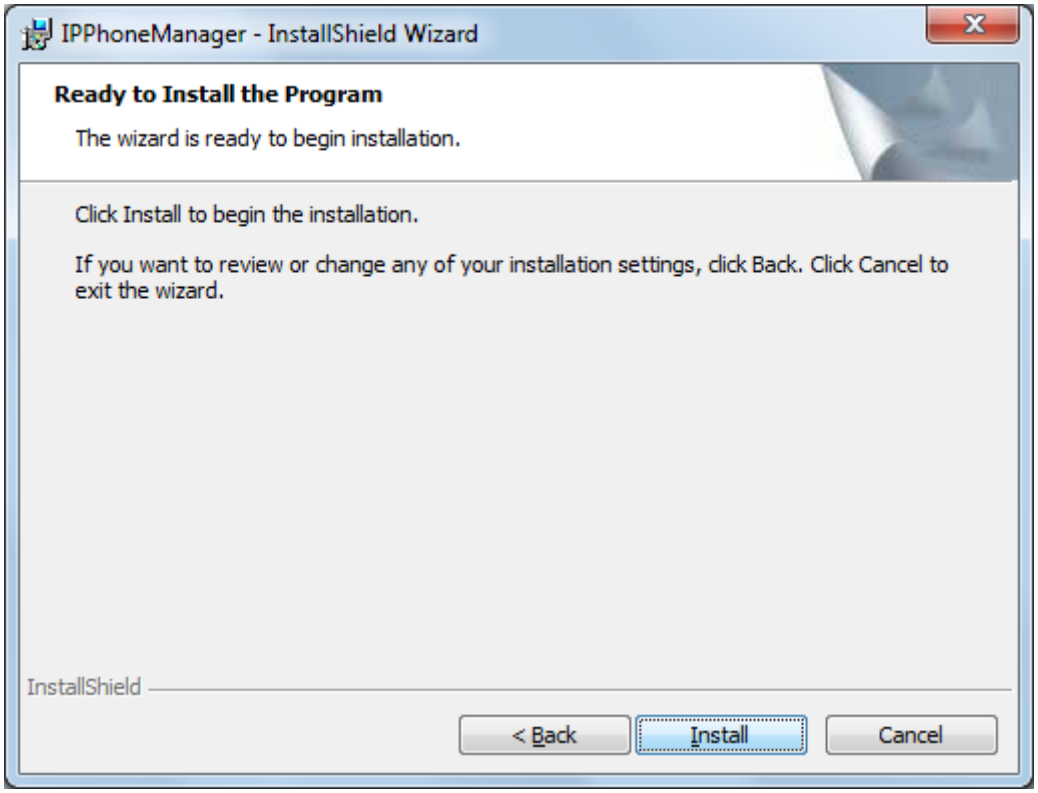


Step 7. When the following screen is displayed, click "Next".

* If you want to change the installation destination, click "Change", specify the installation destination and click "Next".



Step 8. When the following screen is displayed, click "Install".



Step 9. When the following screen is displayed, click “Finish”.

* Depending on the PC, restart may be necessary.

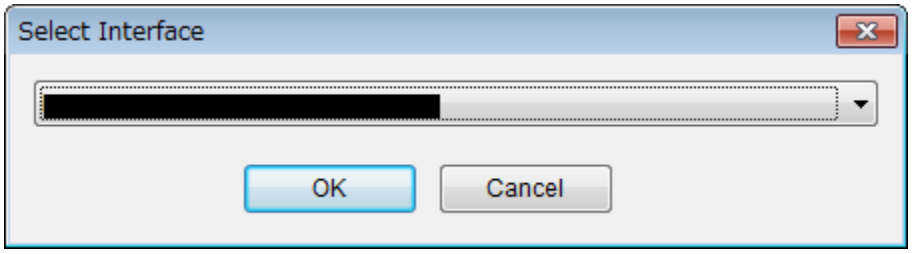
3.2. Starting and closing the IP Phone Manager

3.2.1. Starting the IP Phone Manager

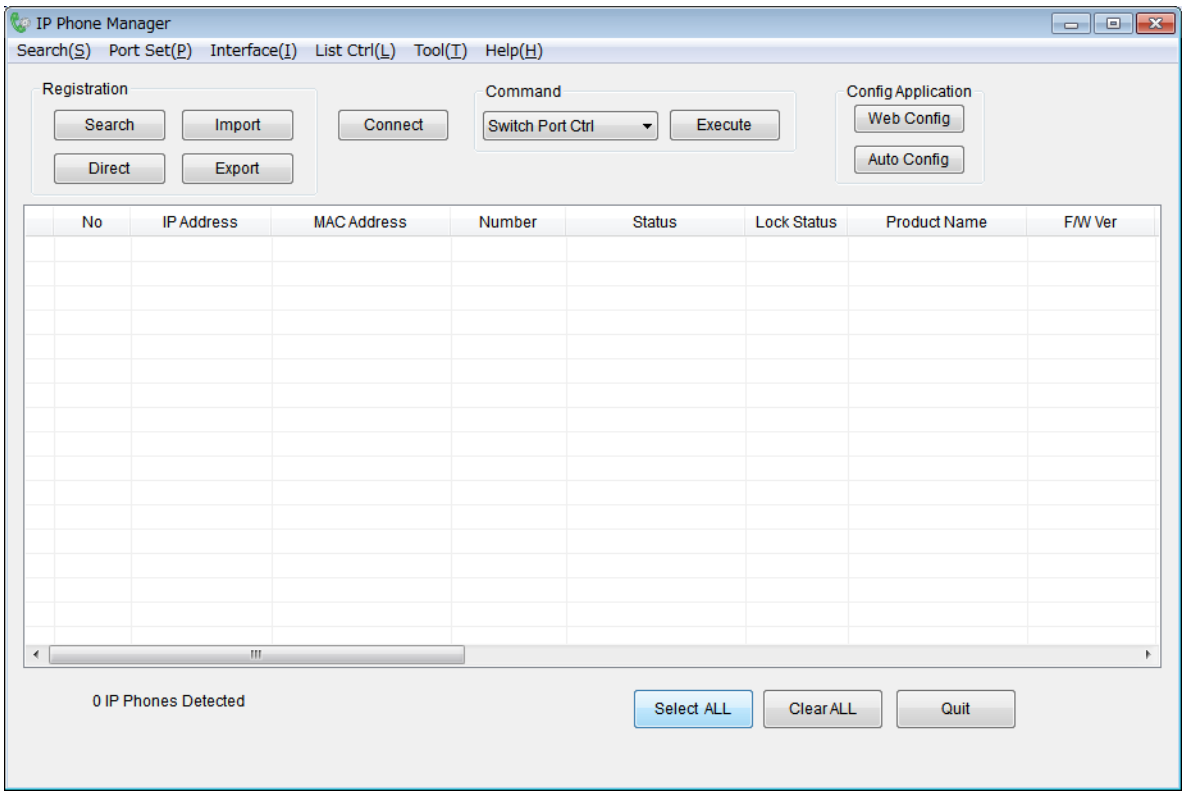
1. Execute "IP Phone Manager" shortcut on the desktop.
2. When the following screen appears, select the network interface card to use and select "OK".

   The selection of the network interface card is displayed only at the initial startup, and if you want to change the network interface card at the second startup or later, please change from the "Menu-> Interface". For details, refer to 4.1 Menu.hen the following screen appears, select the network interface card to use and select "OK".

   The selection of the network interface card is displayed only at the initial startup, and if you want to change the network interface card at the second startup or later, change from the menu interface. For details, refer to "4.2.Menu".



3. Startup is completed when the following screen is displayed.



3.2.2. Closing the IP Phone Manager

Click the "Quit" button. Or click the "×" button in the upper right corner of the application.

4. The operational explanation.

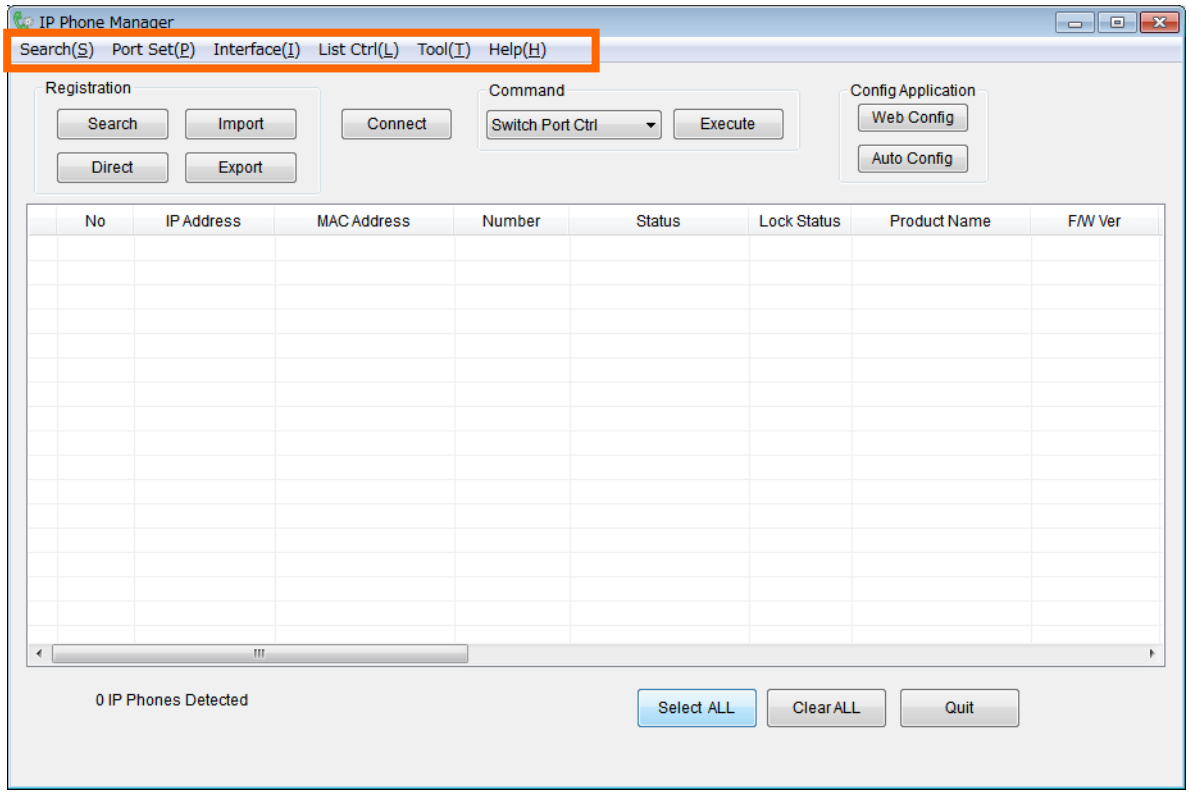
It's explained about an operating method of the IP Phone Manager.

4.1. Initial setting

Connect the PC to the network environment where the Ip phone is connected.
Start IP Phone Manager application when connection is completed.

4.2. Menu

【Main screen】



- Search

  The Search number of times when searching for an ip phone, is established. Defaults are once, and an area is 1-3 times.

  Please refer to an ip phone search of 4.3 for details of Search.

- Port Set

  IP Phone Port

  Specify the receiving port number of the terminal to communicate with the ip phone.

  The initial value is 3530. The ip phone can not receive the command from the IP Phone Manager unless the set receive port and the "IPM Self Port" set on the ip phone match.

  IP Phone Manager Port

  Specify the IPPhone Manager reception port number.

  The initial value is 20111.

- Interface

  Configure the NIC(Network Interface Carda).

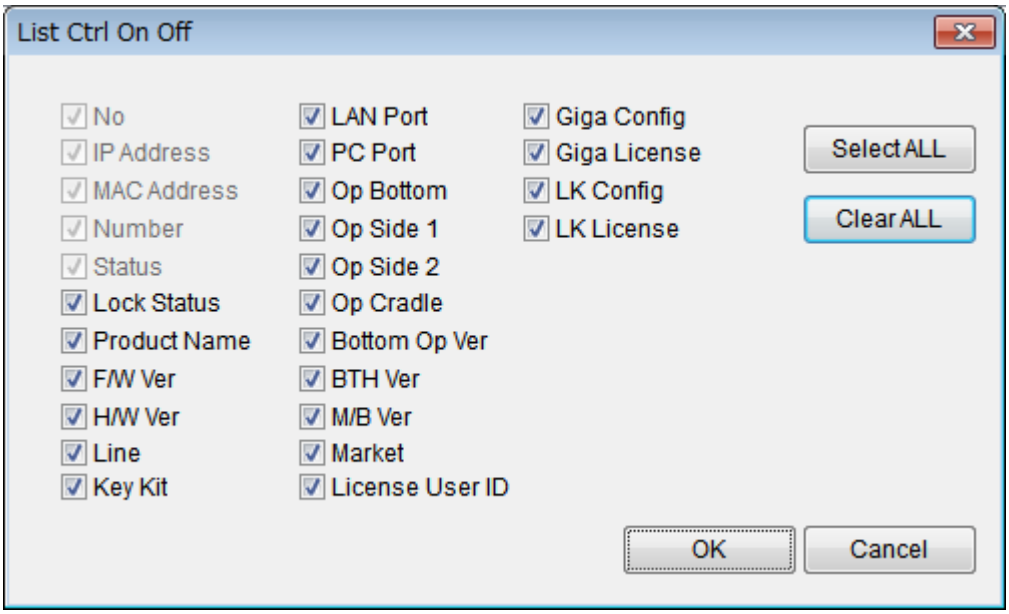
- List Ctrl

  Select

  Select display / non-display of terminal information items displayed on the main screen.

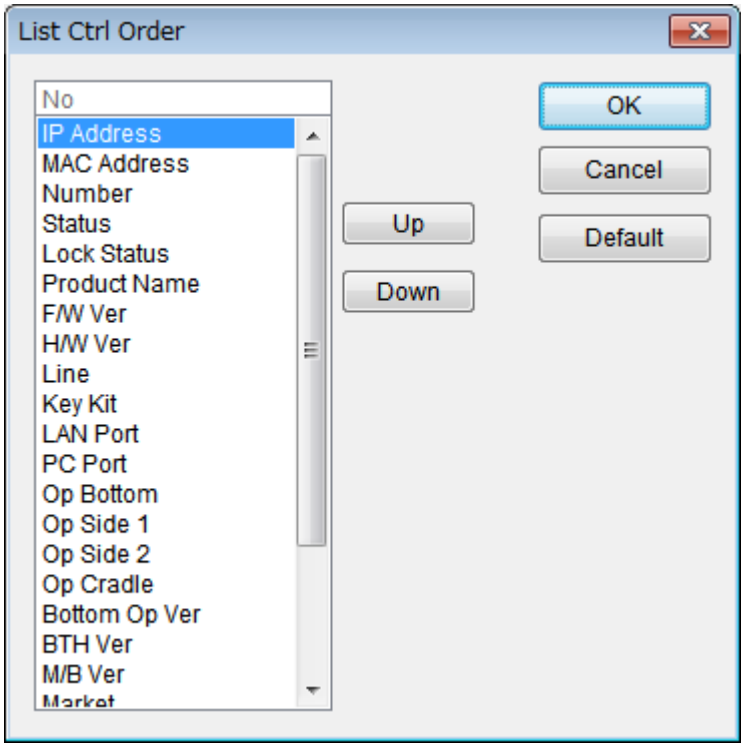
  All initial values are On.

  If uncheck it, it will be hidden.



- Order

  Can rearrange the terminal information items displayed on the main screen.



- Tool

  Start the DT Archiver.

  For the DT Archiver, refer to the DT Archiver manual.

- Help

  Version information on the IP Phone Manager is displayed.

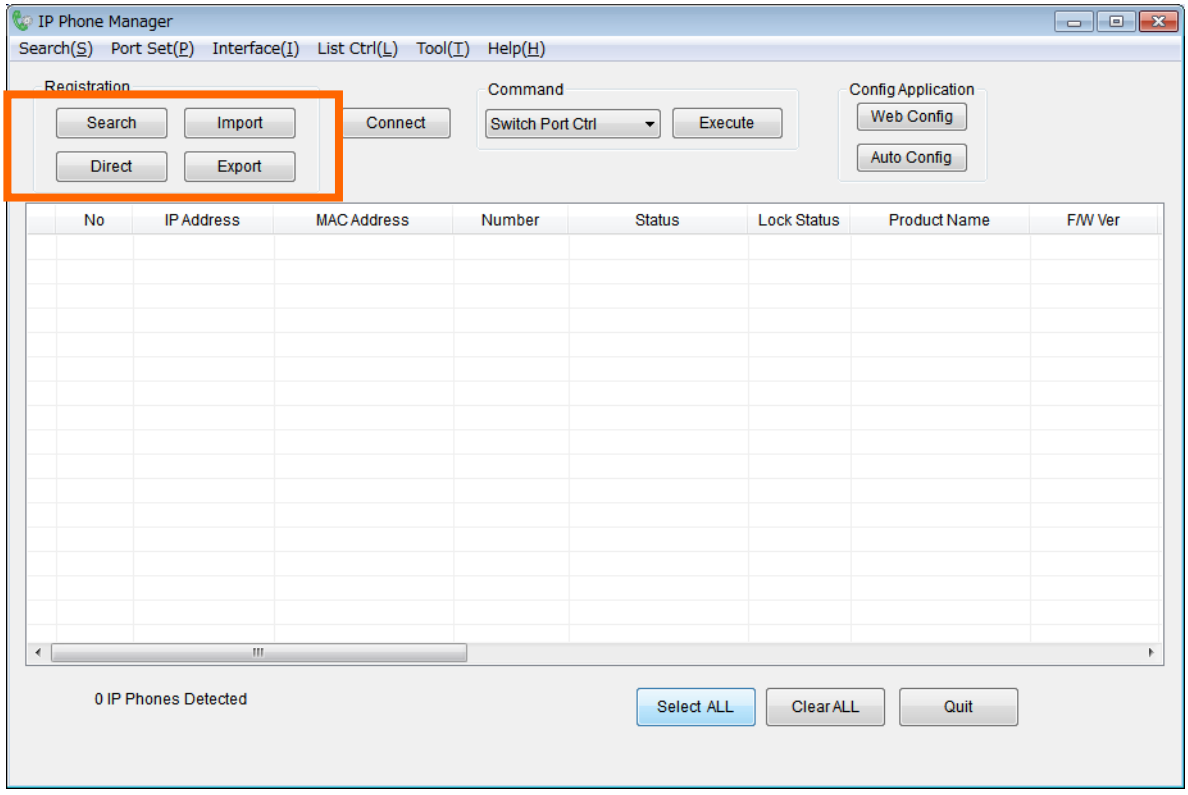
4.3. Registration(An ip phone search)

Detects the ip phone connected on the network and acquires phone information.
The main information that can be obtained is as follows.

Name	Details	Remarks
IP Address	Displays the IP address of the ip phone.	-
MAC Address	Displays the MAC address of the ip phone. (ITY terminals, ITZ terminals and ITL terminals only)	-
Number	Displays the phone number of the ip phone. (ITY terminals, ITZ terminals and ITL terminals only)	-
Status	Displays the status of the ip phone.	Refer to 5.2 Status list for details.
Lock Status	Displays the Security Lock status of the ip phone. (ITY terminals, ITZ terminals and ITL terminals only)	Lock Unlock
Product Name	Displays the product name of the ip phone.	Example) ITZ-24D-1TEL
F/W ver	Displays the F/W ver of the ip phone.	Example) 01.00.00
H/W ver	Displays the H/W ver of the ip phone.	Example) 09.01.03.00
Line	Displays the number of line keys sum the following values. (ITY terminals, ITZ terminals and ITL terminals only) If 8LK is attached to a ip phone. : 8Line If 16LK is attached to a ip phone. : 16Line	Example) 20L (If the line keys of the ip phone is the 12L, and If the 8LK option is connected to the ip phone)
Key Kit	Displays the key kit types of the ip phone. (ITY terminals, ITZ terminals and ITL terminals only)	-
LAN Port	Displays the LAN Port speed&duplex of the ip phone. (ITY terminals, ITZ terminals and ITL terminals only)	Auto 100MFull 100MHalf 10MFull 10MHalf
PC Port	Displays the PC Port speed&duplex and PC Port status of the ip phone.(Speed&duplex is ITY terminals, ITZ terminals and ITL terminal only.)	Auto 100MFull 100MHalf 10MFull 10MHalf SHUT
Op Bottom	Displays optional information attached to the back of the ip phone.	ADA BCA-L BCA-Z
Op Side 1	Displays optional information attached to the side 2 of the ip phone.(ITY terminals, ITZ terminals and ITL terminals only)	8LK 16LK EHS
Op Side 2	Displays optional information attached to the side 2 of the ip phone. (ITY terminals, ITZ terminals and ITL terminals only)	60DSS
Op Cradle	Displays optional information attached to the cradle of the ip phone. (ITZ terminals and ITL terminals only)	Normal PSA/PSD
Bottom Op Ver	Displays the version of BCA-L option or BCA-Z option. (ITY terminals, ITZ terminals and ITL-2CR terminals only)	Example) 01.00
BTH Ver	Unused. always displays “00.00”.	-
MB Ver	Displays the main board version of the ip phone. (ITY terminals, ITZ terminals and ITL terminals only)	Example) 1
Market	Displays the market of the ip phone. (ITY terminals, ITZ terminals and ITL terminals only)	Japan Foreign

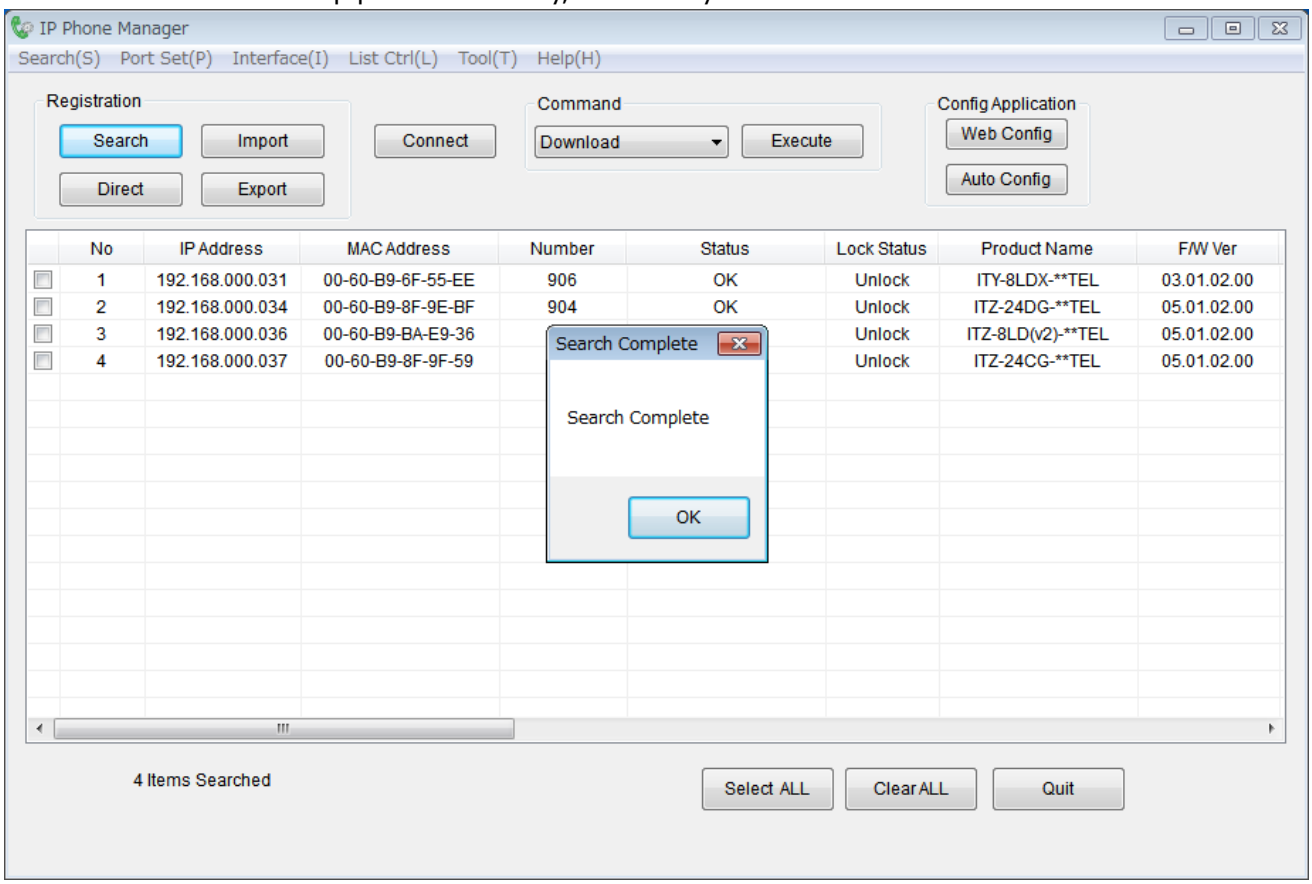
Name	詳細	備考
License User ID	Displays the License User ID of the ip phone. (ITY terminals only)	Example) 900
Giga Config	Displays the Config setting of the Gigabit Ethernet license of the ip phone.(ITY terminals only)	Disable Enable
Giga License	Displays the Gigabit Ethernet authentication status of the ip phone.(ITY terminals only)	N/A Assign
LK Config	Displays the Config setting of the Line Key license of the ip phone.(ITY terminals only)	Disable Line 16 Line 32
LK License	Displays the Config setting of the Line Key license of the ip phone.(ITY terminals only)	N/A Assign

There are Search, Direct, Import, Export in Registration group.



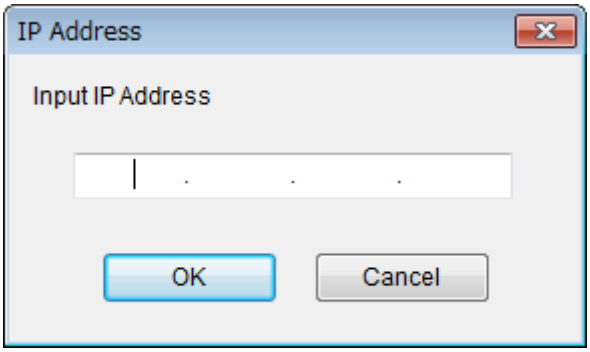
4.3.1. Search

Searches for IP Phone Manager and the ip phone connected to an identical network.
The number of times to search can be changed from the "Search" in the menu,
If the setting is "1", perform a search for 15 seconds.
If the setting is "2", perform a search for the second time for 20 seconds, after the first search.
If the setting is "3", perform a search for the third time for 20 seconds, after the second search.
After Search is completed, all the found ip phones are added to the list.
* If the number of an ip phones are many, search may take time.



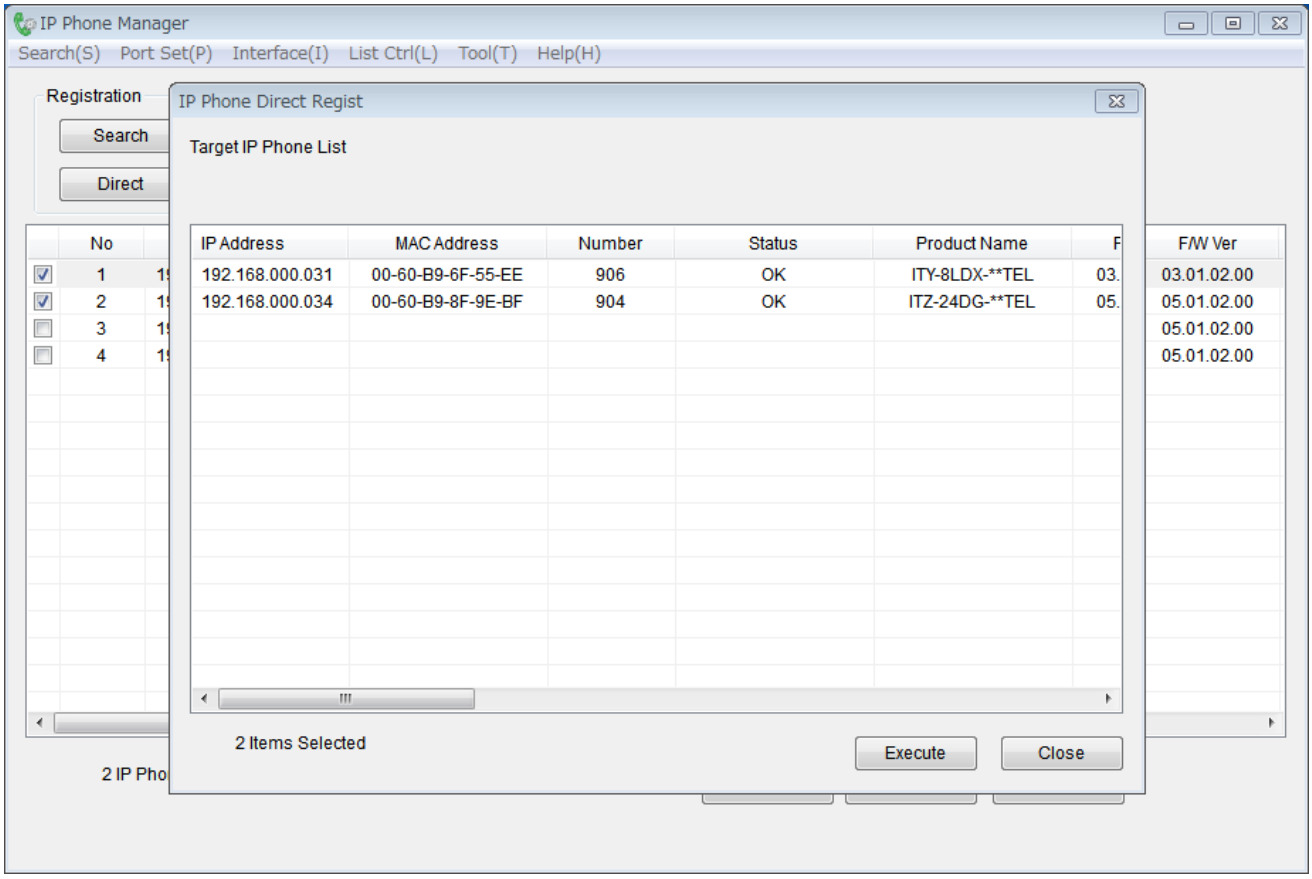
4.3.2. Direct

If the IP address of the ip phone is known in advance, can search directly.
If click the Direct button, the following dialog will be displayed, so enter the IP address of the ip phone and search.



Can also be used to search again for phones added to the list on the main screen in advance.
If search again, select the ip phone you want to search again in the list, and press the "Direct" button.

When "IP Phone Direct Regist" dialog comes out, press "Execute" button and search.



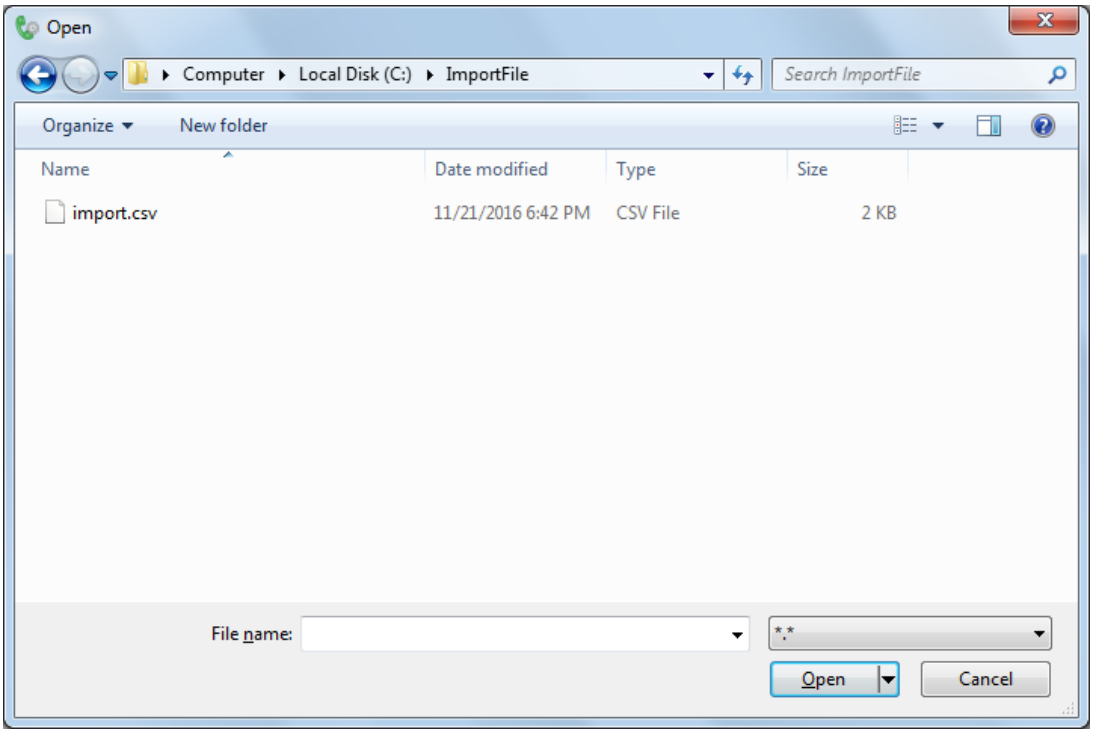
4.3.3. Import

"Import" is used to import the registration information data (CSV file) output from the application software "PC Pro" of the PBX SV9500/SV850 and search the ip phone.

Can also export the information collected by the IP Phone Manager and import the file to search for phones.

Refer to "4.3.4.Export" about Export.

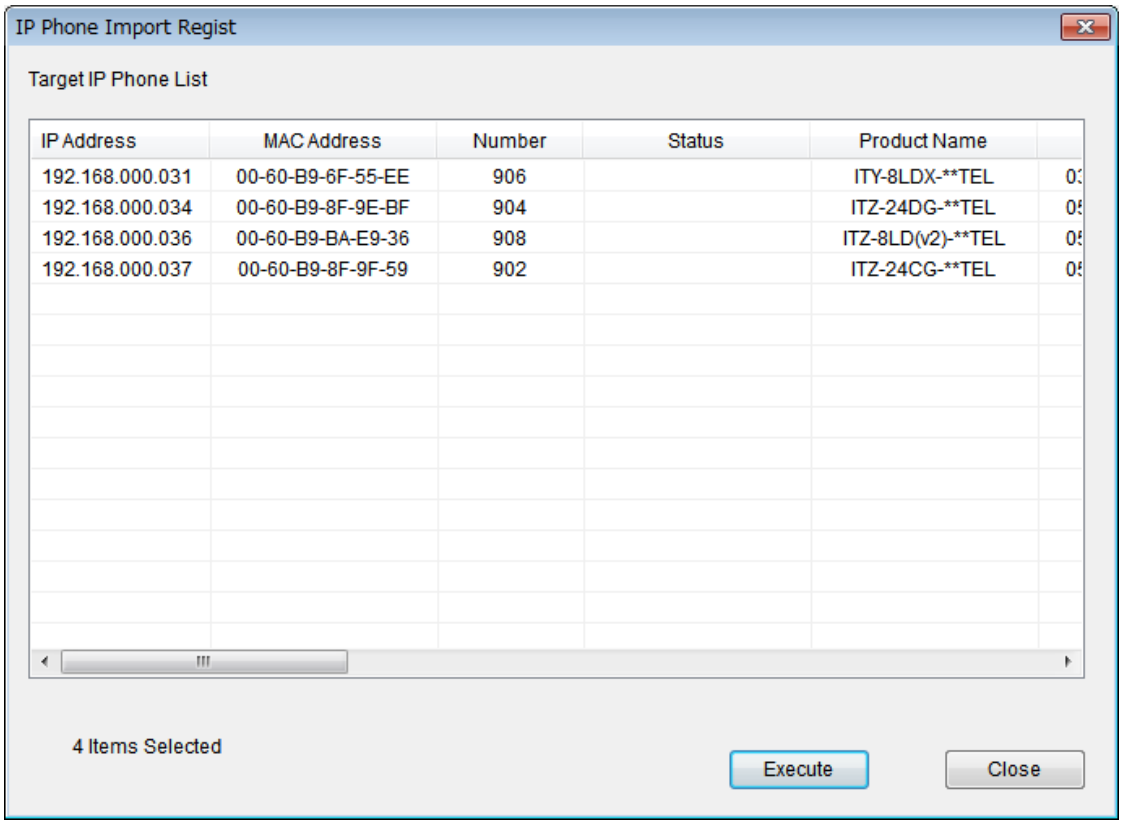
When "Import" is pressed, the following screen is displayed, so select the CSV file you wish to import.



When you selected a CSV file output from the PC Pro, IP Address information and MAC Address information will be imported.

When you selected a CSV file exported from the IP Phone Manager, information other than Status will be imported.

The following is an example of a screen that imported a CSV file from PCPro.

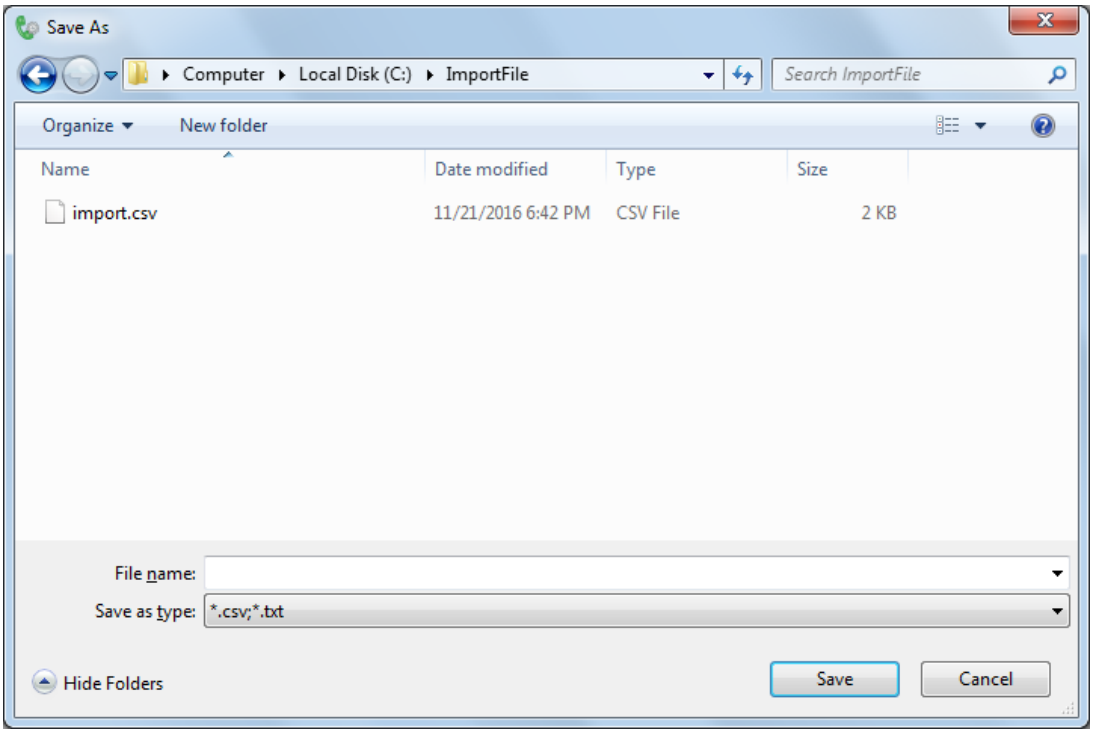


When "Execute" is pressed, the search is executed.

4.3.4. Export

"Export" is used to output the ip phone information acquired by search to the CSV file.
Can also import the output CSV file.
For details, refer to 4.3.3 Import.

When "Export" is clicked, the following screen is displayed. Select the folder, enter the file name, and save.

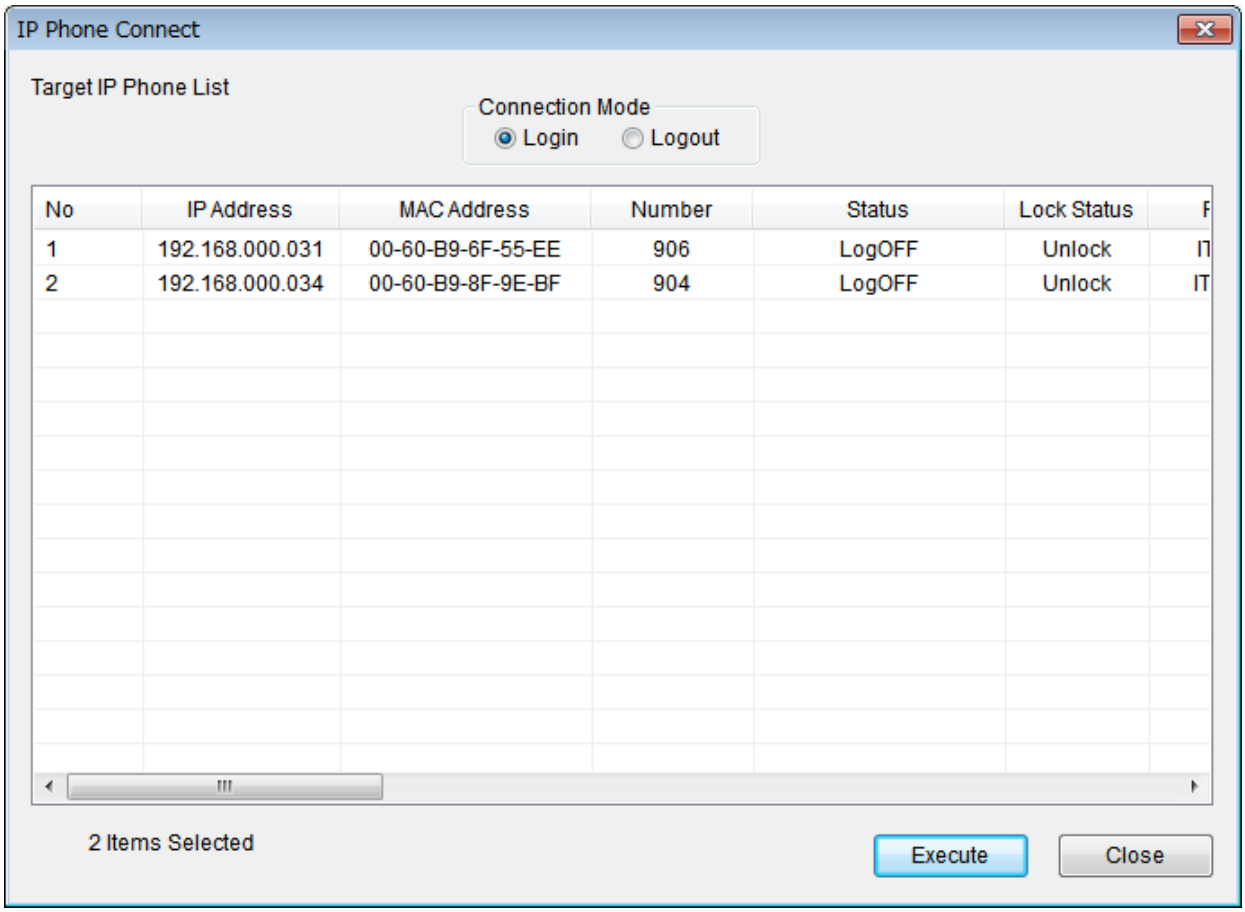


*Information of all an ip phones listed is exported.

4.4. Connect

"Connect" is used to connect the ip phones and the IP Phone Manager.

Can not actually do remote control simply by searching.
Therefore, it is necessary to make a connection between the ip phone and the IP Phone Manager in advance.
*However, only the IPterm85K does not need to connect
Select the ip phone you want to connect in the list, and press the "Connect" button.
When "Connect" is pressed, the following screen will be displayed.



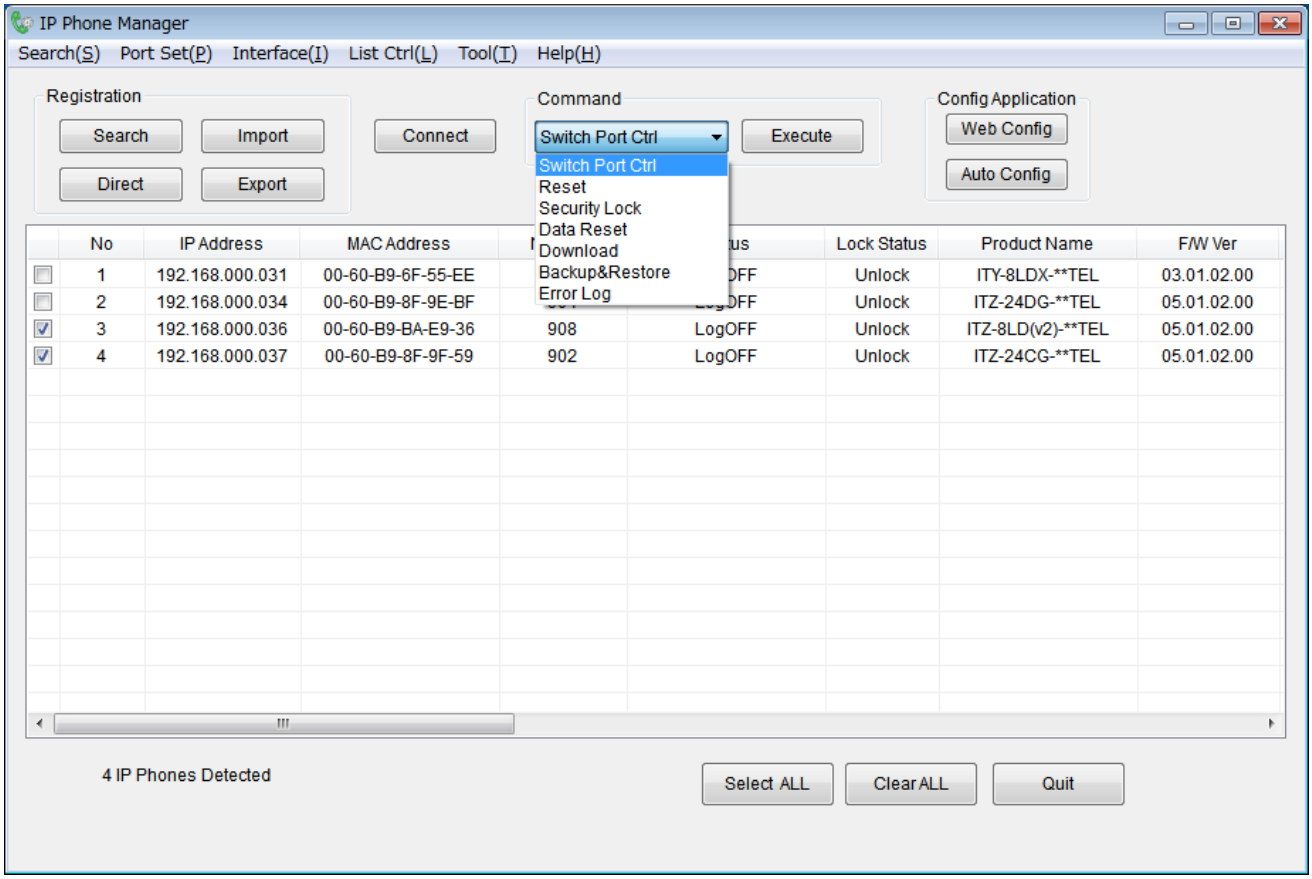
If set the "Login" in "Connection Mode", and press "Execute".Can connect the ip phone to the IP Phone Manager.If the connection is successful, Status will be "OK".
If set the "Logout" in "Connection Mode", and press "Execute".Can disconnect the ip phone from the IP Phone Manager.If the disconnection is successful, Status will be "LogOFF".
If the ip phones and the IP Phone Manager are connected, you can run the remote control described in 4.5 Command. For details, refer to 4.5 Command.
Can not connect to an ip phone connected to another IP Phone Manager.
If trying to make a connection, "Login N/A" is displayed in the status.
If connect to another IPPhone Manager or if the remote control has completed, execute the "Logout".

4.5. Command

Remote control can be executed only when connected to the ip phone (Status is OK).
For connection with the ip phone, refer to "4.4 Connect"

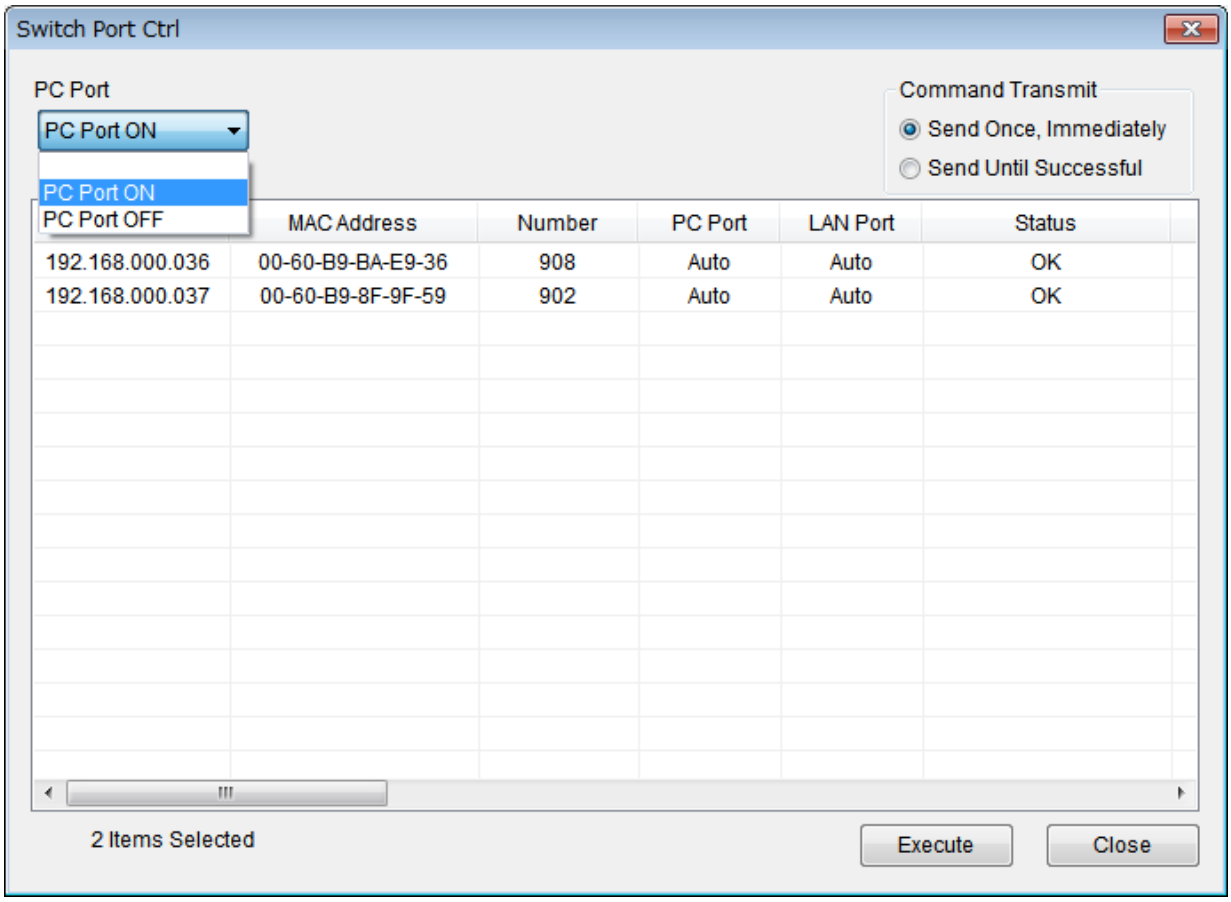
4.5.1. Switch Port Ctrl

Can open and close the PC port of the ip phone.
Select the ip phone that opens and closes the PC port from the list on the main screen, check the check box, select "SwitchPortCtrl" in the Command frame and press "Execute".



When the the "SwitchPortCtrl" dialog is displayed, Select the "PCPortON" or the "PCPortOFF" from the "PC Port", Select the "Send Once,Immediately" from the "Command Transmit", Press "Execute".

(Refer to "4.5.8.Reservation function" for a detailed explanation of behavior when selected the "Send Until Successful" in the "Command Transmit".)



When SwitchPortCtrl is executed, the status changes from "OK" to "Complete", and the display of PCPort changes as follows.

If PCPortON is selected and Status becomes "Complete", Speed & Duplex is displayed on "PCPort".

If PCPortOFF is selected and the Status becomes "Complete", PCPort is displayed as "SHUT".

If "Error" is displayed in the status,There is a possibility that IP Phone Manager and IP phone are not connected.Check the connection status with the IP phone,Please execute "Connect" and "SwitchPortCtrl" again.

If "PortCtl N/A" is displayed in the Status, there is a possibility that the ip phone is busy (busy or downloading), so please wait a moment and then do "SwitchPortCtrl" again.

Also, if PCPort is set to OFF by setting on the ip phone or setting from the main unit,

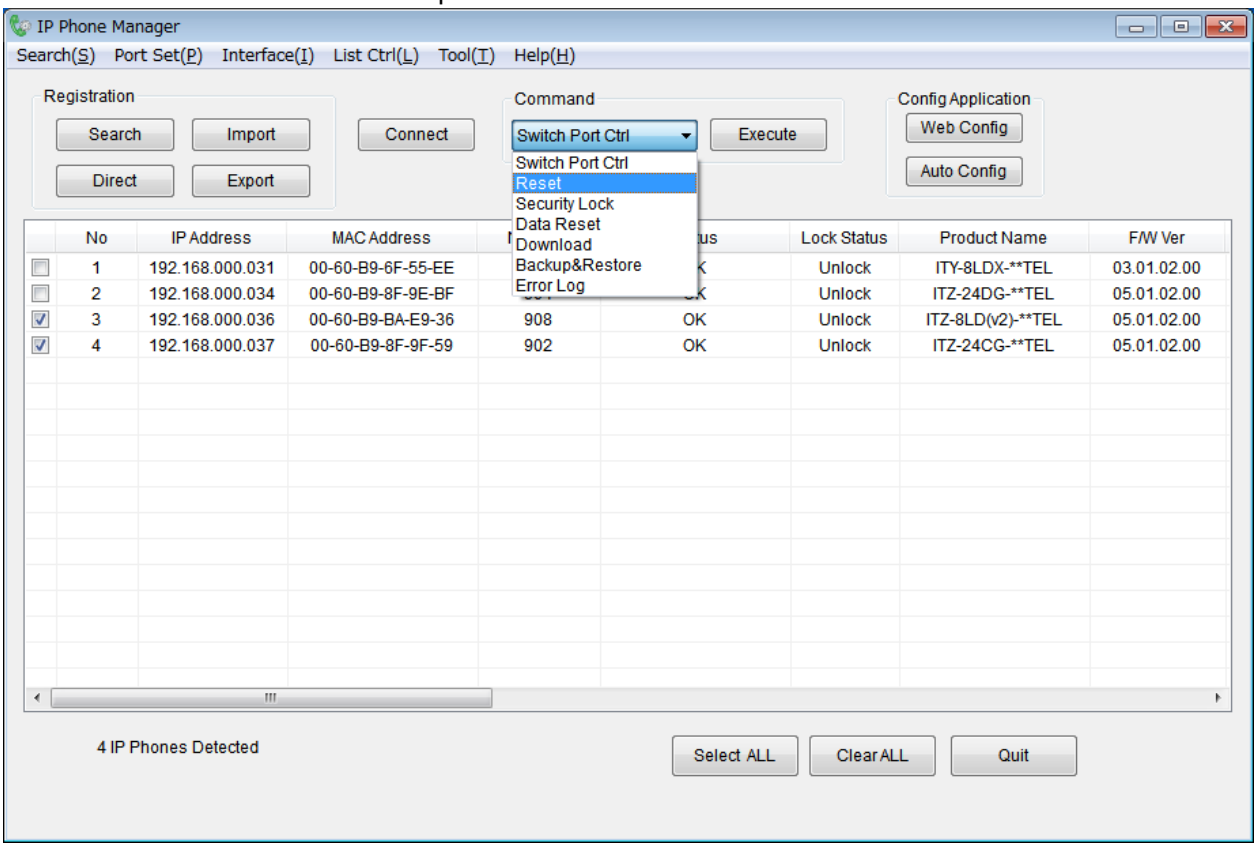
"PortCtl N/A" will be displayed even if PCPortON is executed even though it is not busy.

Press "Close" to return to the main screen.

4.5.2. Reset

"Reset" is used for hard reset of the ip phone or soft reset of the ip phone.

Select the ip phone you want to reset from the list on the main screen, check the check box, select "Reset" in the Command frame and press "Execute".



When the the "Reset" dialog is displayed, Select the "Soft Reset" or the "Hard Reset" from the "Reset Type", Select the "Send Once,Immediately" from the "Command Transmit", Press "Execute".

(Refer to "4.5.8.Reservation function" for a detailed explanation of behavior when selected the "Send Until Successful" in the "Command Transmit".)

- Soft Reset

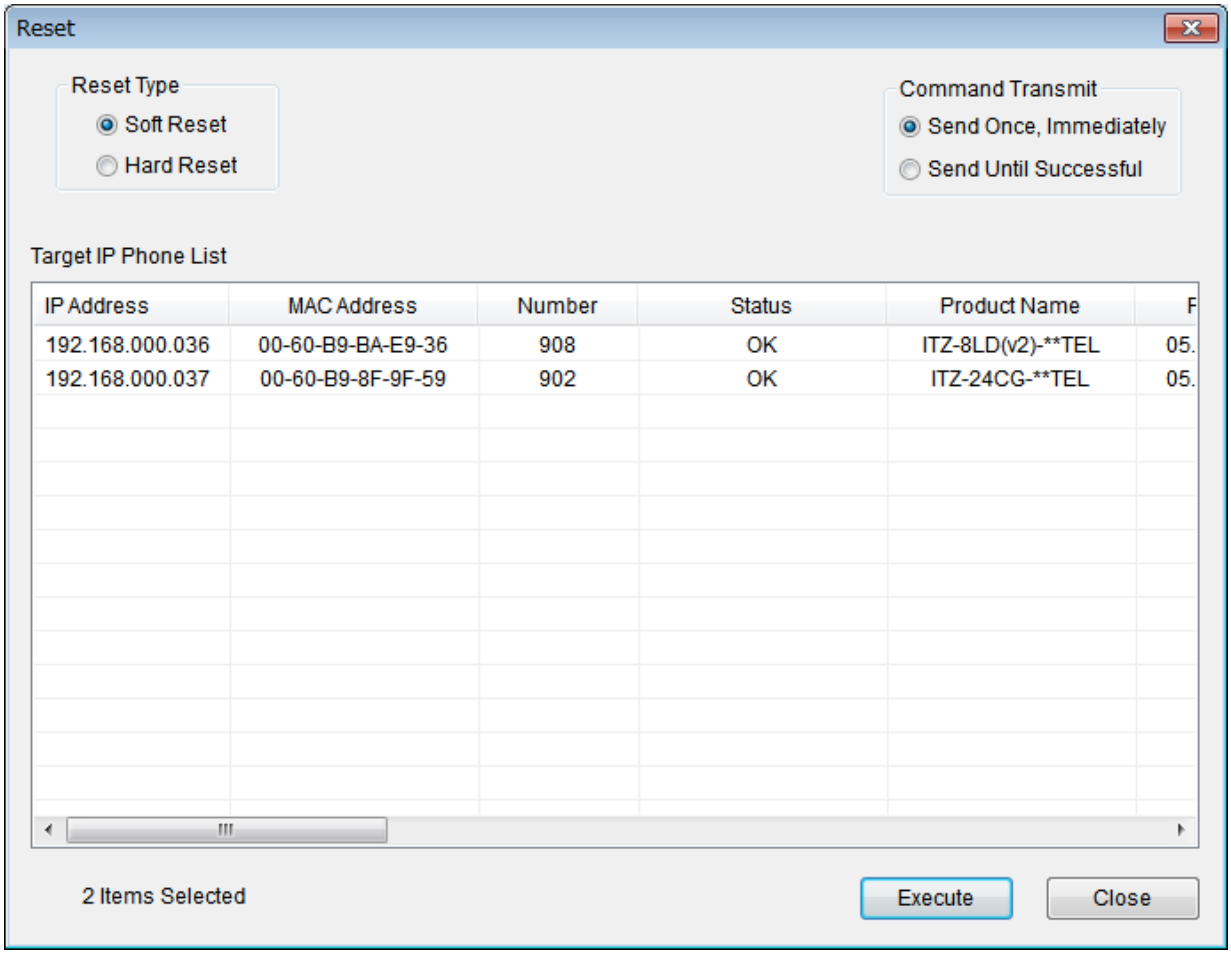
When "Reset" is executed, the status changes from "OK" to "Complete".

If "Reset N/A" is displayed in the Status, there is a possibility that the ip phone is busy (busy or downloading), so please wait a moment and then do "Reset" again.

If "Error" is displayed in the status, There is a possibility that IP Phone Manager and IP phone are not connected. Check the connection status with the IP phone,Please execute "Connect" and "Reset" again.

* The DT710/DT730/DT750 terminals(F/W Ver 2.1.0.0 or earlier) is unsupported to the "Soft Reset". If execute "Soft Reset" to an unsupported terminal, "Hard Reset" will be executed instead.

* The "Soft Reset" is not supported to the standard SIP terminals.

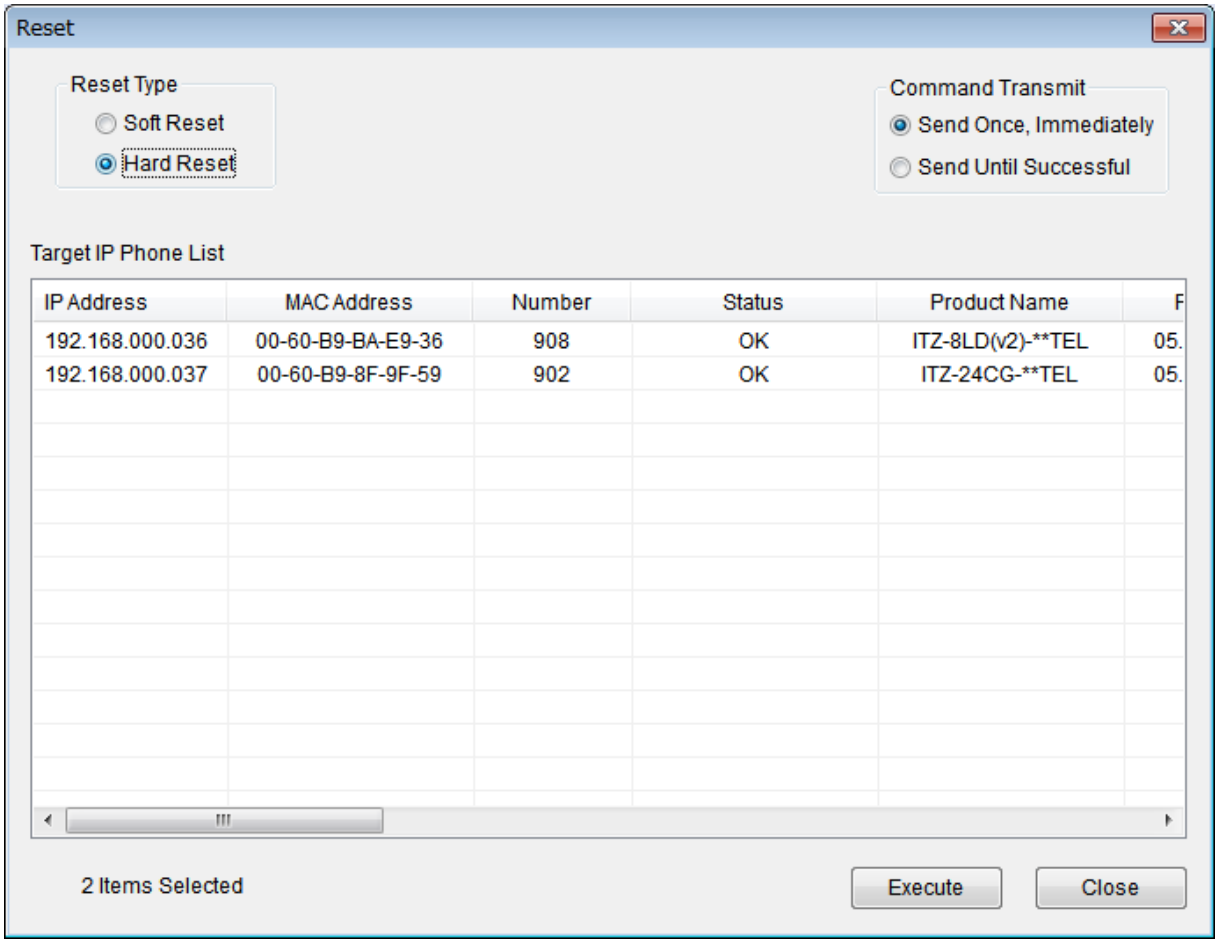


➢ Hard Reset

When “Reset” is executed, the status changes from "OK" to "Complete".

If "Reset N/A" is displayed in the Status, there is a possibility that the ip phone is busy (busy or downloading), so please wait a moment and then do "Reset" again.

If "Error" is displayed in the status, There is a possibility that IP Phone Manager and IP phone are not connected. Check the connection status with the IP phone,Please execute "Connect" and "Reset" again.



When Hard Reset is completed and you press the "Close" button and return to the main screen,

The status of the ip phone that completed Hard Reset becomes "Search Error".

This is because the ip phone instructed when "Complete" is displayed in Status is hard reset and the connection with the IP Phone Manager is disconnected.

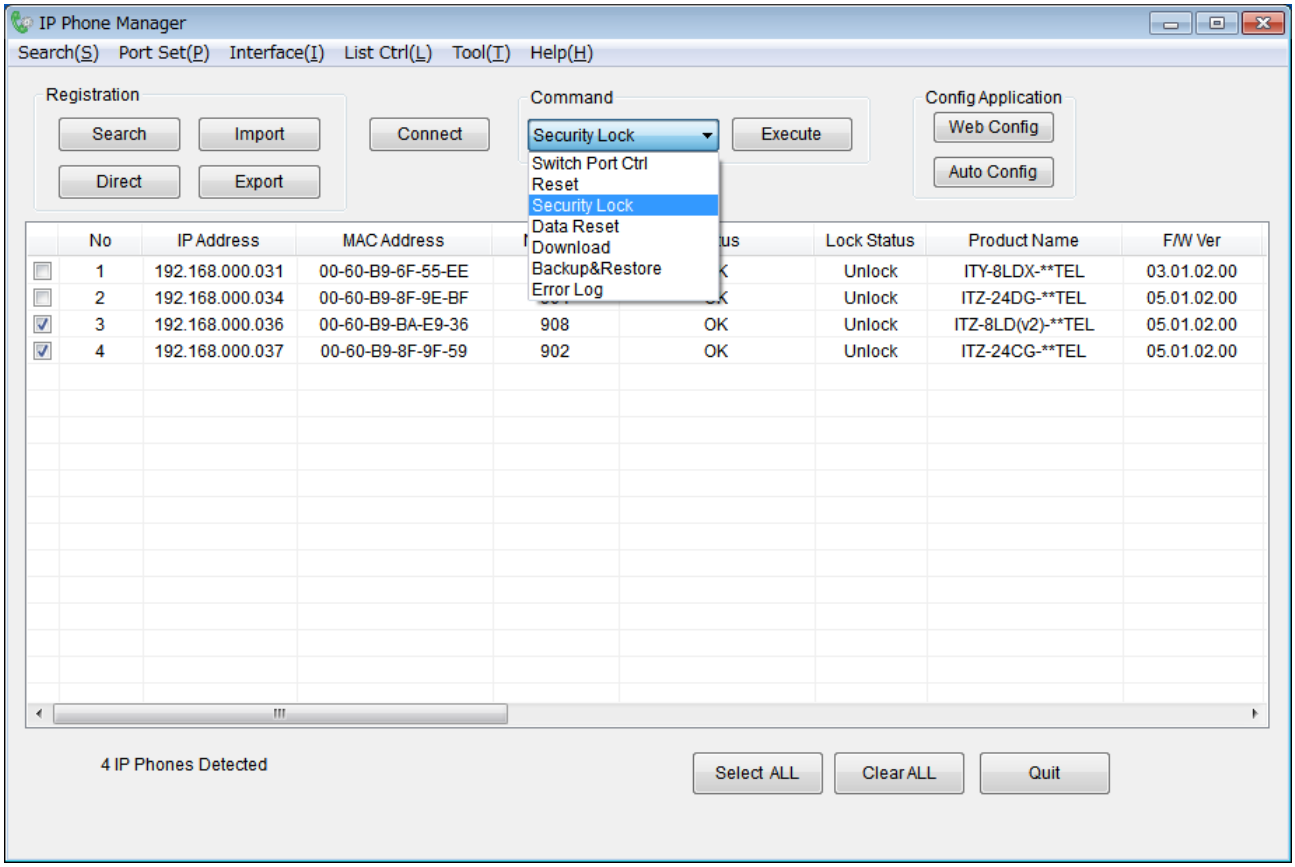
If you want to remote control for this phone, you need to connect again.

4.5.3. Security Lock

"Security Lock" is used when you want to lock or unlock the ip phone.

* The DT820(6D)/DT820(8LDX)/DT820(8LCGX)/DT710/DT730(8LDE)/DT770G/SL2100 IP Phone terminals are unsupported to the "Security Lock".
* "Security Lock" will not work if the ip phone is not logged in to the PBX.

Select the ip phone you want to "Lock" ot from the list on the main screen, check the check box, select "Security Lock" in the Command frame and press "Execute".

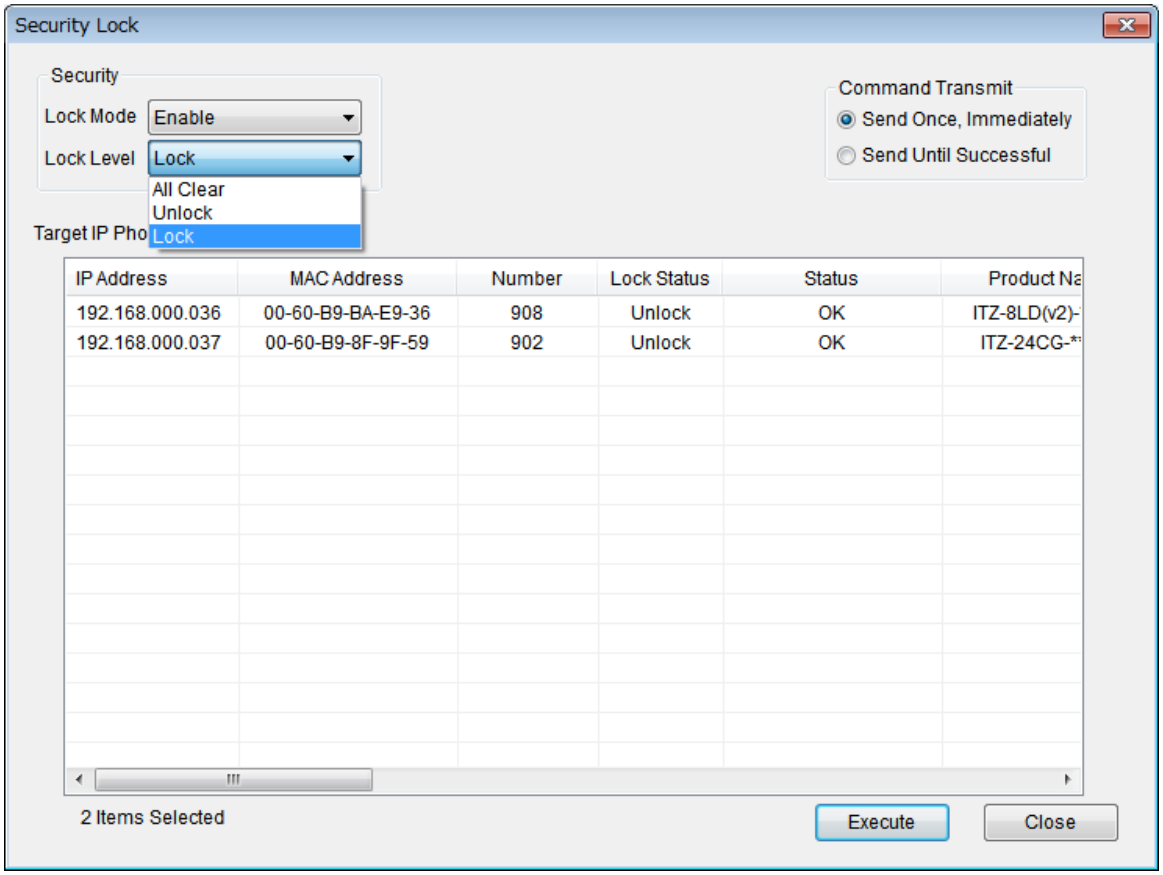


If the "Security Lock" dialogue is indicated, "Enable" or "Disable" is chosen from Lock Mode of a Security frame.

If choosing "Enable" in Lock Mode, Lock Level is chosen.

If choice of an ip phone is completed, Command Transmit chooses "Send Once, Immediately" and clicks "Execute".

(Refer to "4.5.8.Reservation function" for a detailed explanation of behavior when selected the "Send Until Successful" in the "Command Transmit".)



"Lock Mode" can selected to "Enable" or "Disable" the function Security Lock

◆ If "Enable" is selected in the "Lock Mode".

➢ If "All Clear" is selected in the "Lock Level".

The password used for Lock release inside Lock Level and the telephone is initialized.

When "All Clear" is executed, the status changes from "OK" to "Complete", and LockStatus becomes "Unlock".

If "Lock N/A" is displayed in the Status, there is a possibility that the ip phone is busy (busy or downloading), so please wait a moment and then do "Security Lock" again.

If "Error" is displayed in the status, There is a possibility that IP Phone Manager and IP phone are not connected. Check the connection status with the IP phone,Please execute "Connect" and " Security Lock " again.

➢ If "Unlock" is selected in the "Lock Level".

Release the lock on the ip phone.

When "Unlock" is executed, the status changes from "OK" to "Complete", and LockStatus becomes "Unlock".

If "Lock N/A" is displayed in the Status, there is a possibility that the ip phone is busy (busy or downloading), so please wait a moment and then do " Security Lock " again.

If "Error" is displayed in the status, There is a possibility that IP Phone Manager and IP phone are not connected. Check the connection status with the IP phone,Please execute "Connect" and "Security Lock" again.

- If "Lock" is selected in the "Lock Level".

  Lock the ip phone.

  When "Lock" is executed, the status changes from "OK" to "Complete", and LockStatus becomes "Lock".

  If "Lock N/A" is displayed in the Status, there is a possibility that the ip phone is busy (busy or downloading), so please wait a moment and then do "Lock" again.

  If "Error" is displayed in the status, There is a possibility that IP Phone Manager and IP phone are not connected. Check the connection status with the IP phone,Please execute "Connect" and "Lock" again.

◆ If "Disable" is selected in the "Lock Mode".

  Disable the use of the Lock feature on the ip phone.

  If you do this setting, you can not use the Lock function even if you press the Security button on the ip phone.

  When "Disable" is executed, the status changes from "OK" to "Complete", and LockStatus becomes "Unlock".

  If "Lock N/A" is displayed in the Status, there is a possibility that the ip phone is busy (busy or downloading), so please wait a moment and then do "Disable" again.

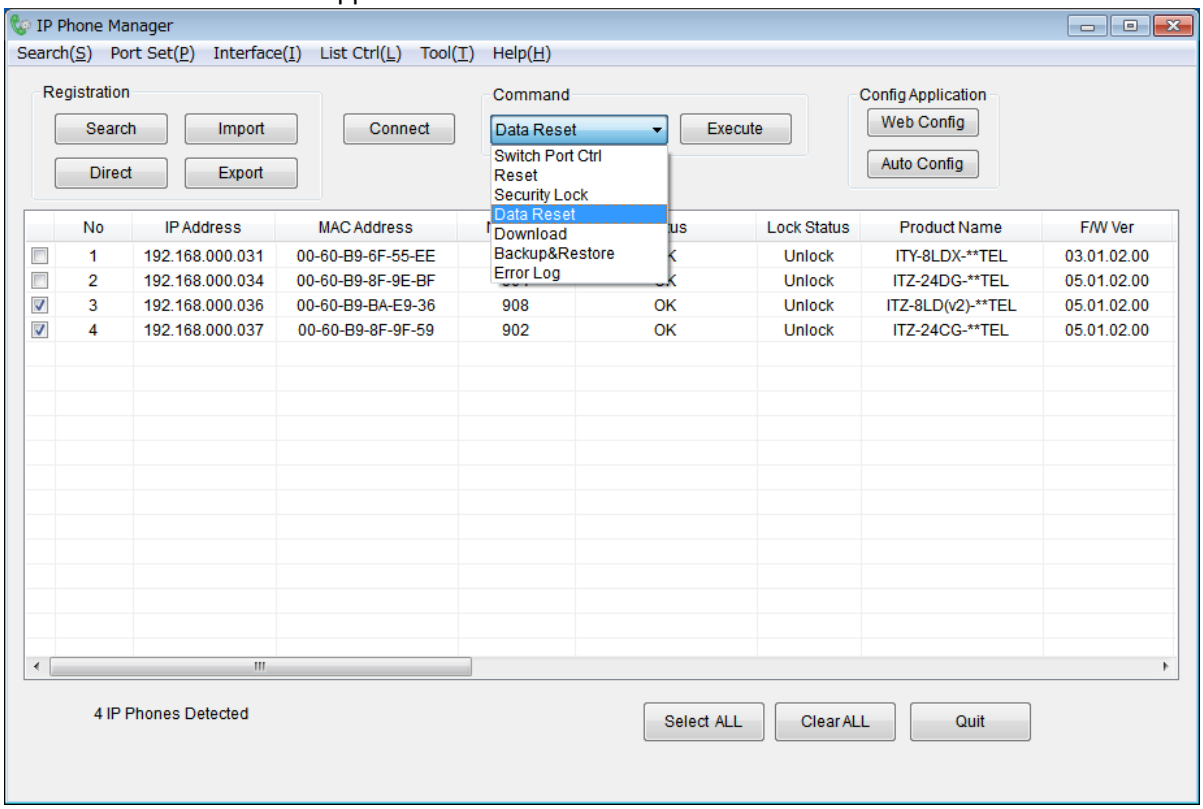
  If "Error" is displayed in the status, There is a possibility that IP Phone Manager and IP phone are not connected. Check the connection status with the IP phone,Please execute "Connect" and "Disable" again.

4.5.4. Data Reset

Clear the setting information and setting data inside the ip phone.

Select the ip phone you want to “Lock” ot from the list on the main screen, check the check box, select "Data Reset" in the Command frame and press "Execute".

* The "DataReset" is not supported to the standard SIP terminals.



When the "Data Reset" dialog is displayed, select the item you want to the "Data Reset" from "IP Phone Setting", "Personal Setting", "Personal Data", "Certificate" from the "Data Clear" frame.

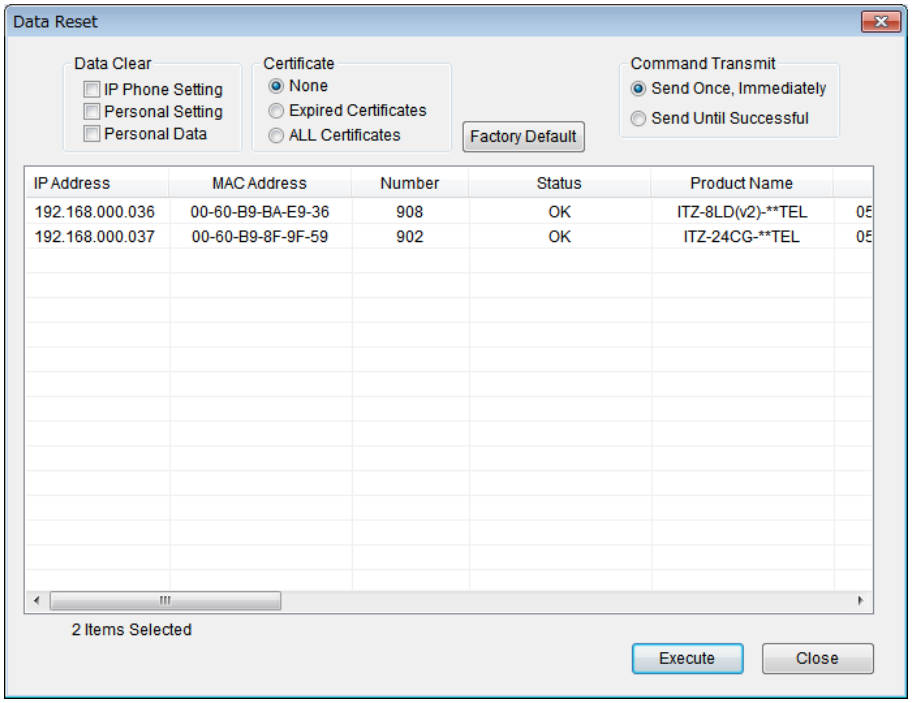
You can select multiple items in "Data Clear" frame.

You can not select multiple items in "Certificate" frame, You can select only one of "None", "Expired Certificates", "ALL Certificates".

If "Factory Default" button is pushed, all items of "Data Clear" and "ALL Certificates" of "Certificate" are checked.

If choice of an ip phone is completed, Command Transmit chooses "Send Once, Immediately" and clicks "Execute".

(Refer to "4.5.8.Reservation function" for a detailed explanation of behavior when selected the "Send Until Successful" in the "Command Transmit".)



When "Data Reset" is executed, the status changes from "OK" to "Complete".

If " Clear N/A" is displayed in the Status, there is a possibility that the ip phone is busy (busy or downloading), so please wait a moment and then do "Data Reset" again.

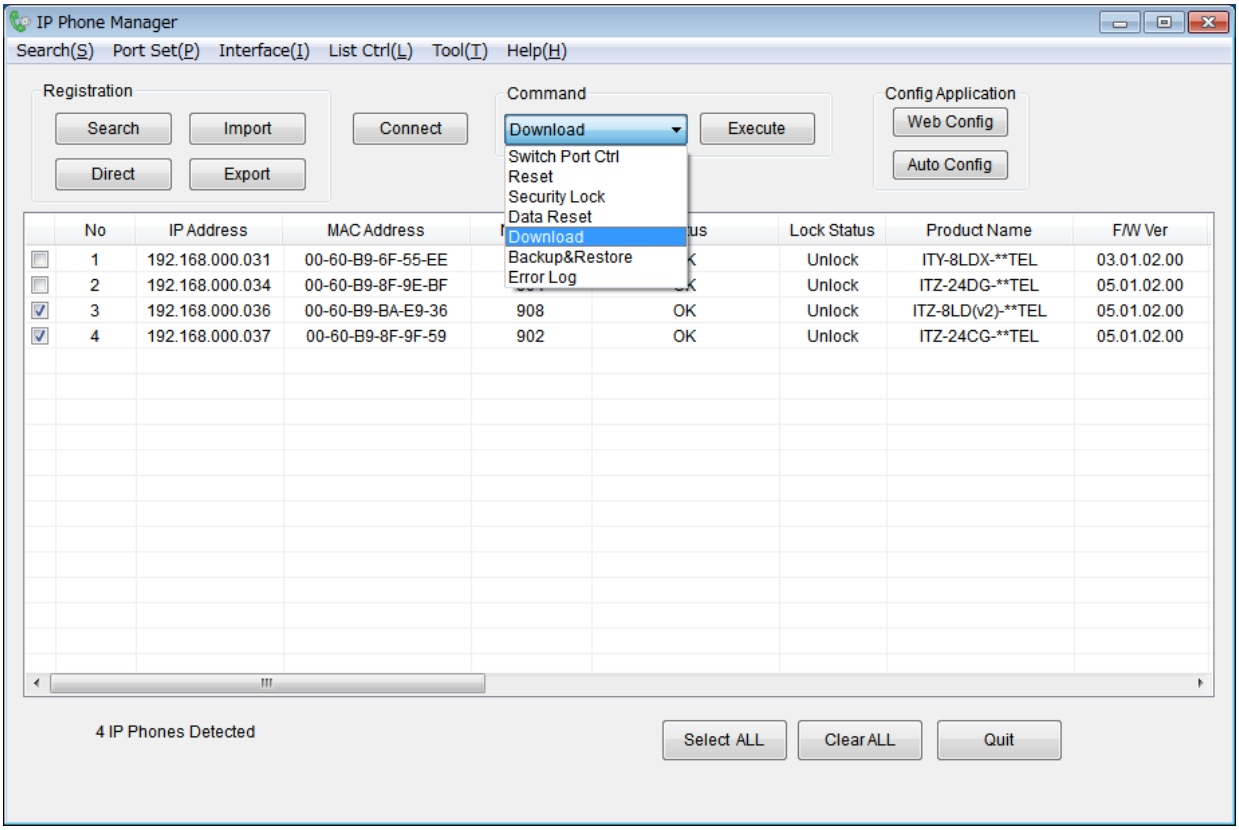
If "Error" is displayed in the status, There is a possibility that IP Phone Manager and ip phone are not connected. Check the connection status with the ip phone,Please execute "Connect" and "Data Reset" again.

【Data Reset Details of target】

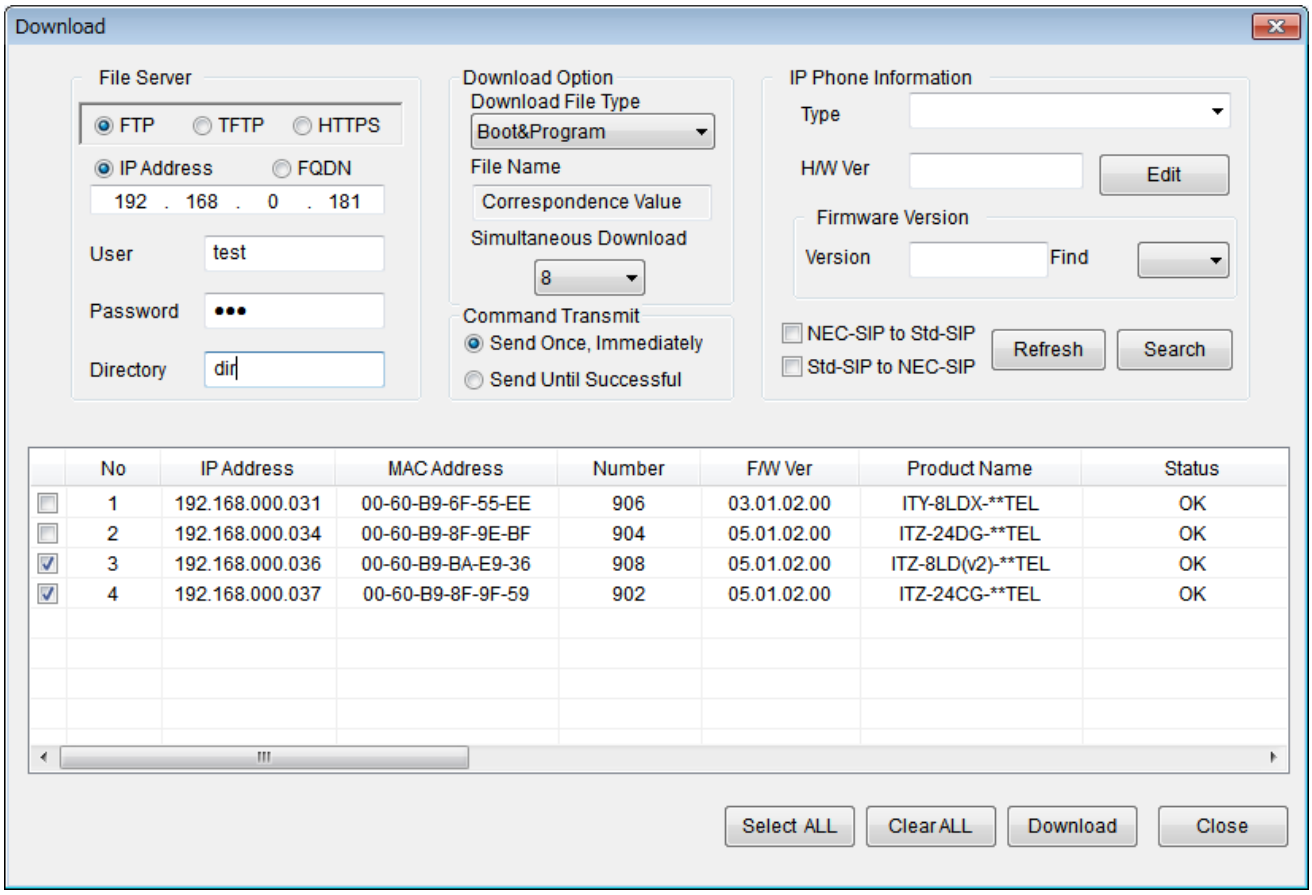
- [Data Clear]IP Phone Setting
  The settings of the ip phone (items such as IP Address and port number setting etc) and data (Voice, Translation data etc.) to their initial values.
- [Data Clear]Personal Setting
  All the user settings(Type of ring tone, color of illumination etc) to return to their initial values.
- [Data Clear]Personal Data
  All of the user data (ring tone, hold tone, phone book data, etc.) are reset to their initial values.
- [Certificate]None
  Do not delete the certificate.
- [Certificate]Expired Certificates
  Delete all expired certificates.
- [Certificate]ALL Certificates
  Delete all certificates.

4.5.5. Download

Download a F/W or a data to the ip phone.
To download, select Download in the Command frame and click "Execute".



Will explain how to set the Download screen.



- File Server

  Configure File Server.

  FTP/TFTP/HTTPS : Choose the transfer protocol from FTP/TFTP/HTTPS.

  IP Address/FQDN : Choose the File Server's address type from IP Address/FQDN.

  IP Address : Enter the Server's IP address.

  FQDN : Enter the Server's FQDN address. The maximum number of characters is 127.

  User : Enter the user name of the account you set for File Server.
  The maximum number of characters is 64. Not used for TFTP.

  Password : Enter the password for the account you set for File Server.
  The maximum number of characters is 64. Not used for TFTP.

  Directory : Enter the relative directry path corresponding to the default directory set for File Server.
  The maximum number of characters is 64.

  Example: If the default directory set for File Server is "C:/Inetpub/ftproot" and you want to place the file in "C:/Inetpub/ftproot/data", enter "/data" in the directory field . ("/" is may or may not input in this case.)

【Notes】

*In order to specify HTTPS or FQDN, the notification destination of the command must be the following terminal

DT830 terminal (A terminal F/W ver 5.1.0.0 or later)

DT820 terminal (A terminal F/W ver 3.1.0.0 or later)

It is impossible to command to an terminals of other than above.

- Download Option

i.Download File Type

Select the file type to download.

- ・Boot&Program : The ip phone firmware
- ・Config : The ip phone configuration information
- ・Flash Memory Image : The flash memory image file
- ・Voice File : The audio file of key touch tone
- ・Translation Data : The display language file
- ・Language Pack : The language Pack
- ・Client Cert : The client certificate
- ・Root Cert : The root certificate
- ・Input File Name : The other Use to enter a file name.
  When Input File Name is selected, the following terminals will not execute "Hard Reset" after completion of download
  DT830 terminal (A terminal F/W ver 5.1.0.0 or later)
  DT820 terminal (A terminal F/W ver 3.1.0.0 or later)

ii.File Name

Enter the file name to download.

- ・Boot&Program : Setting is done by IPPhone Information Edit.
  For details, refer to IPPhone Information.
- ・Config :The File Name can be chosen from the following item.
  TerminalCfg.gz/Terminal.gz(The default value)
  PersonalCfg.gz/Personal.gz
  <MAC>_TerminalCfg.gz/Termianl.gz
  <MAC>_PersonalCfg.gz/Personal.gz
  <IP>_TerminalCfg.gz/Termianl.gz
  <IP>_PersonalCfg.gz/Personal.gz
  <PhoneNumber>_TerminalCfg.gz/Termianl.gz
  <PhoneNumber>_PersonalCfg.gz/Personal.gz
  config.tgz
  *When choosing the respective items, refer to "4.5.5.3.An example of download (Config)" about the file name a terminal downloads.
  *To create Config.tgz, create a terminal file or a personal file with "Config Setup APL" or "Config Setup APL 2" or "Config Setup APL 3" or "Config Setup APL 4" and compile those files with tgz on the DT Archiver.
  *Refer to the Config Setup APL owner's manual for creating terminal and personal files.
  *Refer to the DT Archiver user's manual for file compression in DT Archiver.
  (DT710/DT730/DT750 supports to terminals F/W ver 3.0.0.0 or later, DT730CG/DT730DG/DT770G/DT830 supports to terminals F/W ver 1.0.0.0 or later,DT830 supports to terminals F/W ver1.2.0.0 or later,DT830CG/DT830DG supports to terminals F/W ver 2.0.0.0 or later,DT820(6D)/DT820(8LDX)/DT820(8LCGX)/SL2100 IP Phone supports to terminals F/W ver1.0.0.0 or later)
- ・Flash Memory Image : The default value is "imgsip.tgz"
  Make sure the extension of the filename is ".tgz".
  (DT820(6D)/DT820(8LDX)/DT820(8LCGX)/DT830/DT830CG/DT830D

G/DT730CG/DT730DG/DT770G/SL2100 IP Phone are not supported)

・Voice File : The default value is "voice.tgz"
Make sure the extension of the filename is ".tgz".
(DT820(6D)/DT710/DT770G/SL2100 IP Phone are not supported)

・Translation Data : The default value is "trnslate.tgz"
Make sure the extension of the filename is ".tgz".
(DT710/DT730/DT750 supports to terminal F/W ver 4.x.x.x or earlier),
DT820(6D)/DT820(8LDX)/DT820(8LCGX)/DT830/DT830CG/DT830DG /
DT730(8LDE)/DT730CG/DT730DG/DT770G/SL2100 IP Phone does not support)

・Language Pack : The default value is "LangPack.tgz"
Make sure the extension of the file name is ".tgz" or ".mo".
(DT730(8LDE)/DT730/DT750 supports to terminals F/W ver 5.0.0.0 or later,DT730CG/DT730DG/DT770G/DT830 supports to terminals F/W ver 1.0.0.0 or later,DT830 supports terminals F/W ver1.2.0.0 or later,DT830CG/DT830DG supports terminals F/W ver 2.0.0.0 or later,DT820(6D)/DT820(8LDX)/DT820(8LCGX)/SL2100 IP Phone supports terminals F/W ver1.0.0.0 or later,DT710/DT770G not supported)

・Client Cert : The File Name can be chosen from the following item.
<MAC>.p12(The default value)
<MAC>.tgz
<IP>.p12
<IP>.tgz
<PhoneNumber>.p12
<PhoneNumber>.tgz
*When choosing the respective items, refer to "4.5.5.4.An example of download (Client Cert)" about the file name a terminal downloads.
(DT710/DT730/DT750/DT730CG/DT730DG/DT770G/SL2100 IP Phone are not supported, DT830/DT830CG/DT830DG supports terminal F/W ver 5.0.0.0 and later,
DT820(6D)/DT820(8LDX)/DT820(8LCGX) supports terminal F/W ver 3.0.0.0 or later)

・Root Cert : The default value is "RootCert.der"
Make sure the extension of the filename is ".der" or ".tgz".
(DT710/DT730/DT750/DT730CG/DT730DG/DT770G/SL2100 IP Phone are not supported, DT830/DT830CG/DT830DG supports terminal F/W ver 5.0.0.0 and later,
DT820(6D)/DT820(8LDX)/DT820(8LCGX) supports terminal F/W ver 3.0.0.0 or later)

・Input File Name : Select Input File name and enter the file name in the table below

File type	Input filename	Remarka
The local directory	Directory.csv	DT730/DT750:Ver1.0.0.0 or later DT730CG/DT730DG/DT770G:Ver1.0.0.0 or later DT830/DT830DG/DT830CG:Ver1.2.0.0 or later DT820(8LCGX):Ver3.2.0.0 以降 **Models other than the above are not supported**
The encrypted local directory	Directory.csv.ef	DT830DG/DT830CG :Ver 3.0.0.0 or later DT820(8LCGX) : Ver3.2.0.0 or later **Models other than the above are not supported**
The hold music	MOH.wav	
The ringtone 1	Melody1.wav	DT820(6D)/DT710 are not supported
The ringtone 2	Melody2.wav	DT820(6D)/DT710 are not supported
The ringtone 3	Melody3.wav	DT820(6D)/DT710 are not supported
The wallpaper	WallPaper.bmp WallPaper.jpg WallPaper.gif WallPaper.png	DT750 : Ver 3.0.0.0 or later DT730CG : Ver 1.0.0.0 or later DT830CG : Ver 2.0.0.0 or later DT820(8LCGX) : Ver 3.2.0.0 or later **Models other than the above are not supported**

【Notes】

*Prepare the download data confirming that it operates normally in advance.

*For details of the files in the above table, refer to "DT 800 Series Data Maintenance Tool Manual" and "DT 800 Series Local Telephone Directory Support Tool Manual".

*On the standard SIP terminals, items other than Boot & Program and Translation Data are not supported.

iii.Simultaneous Download

At the same time, set the number of phones to instruct downloading. The range that can be set is from "1" to "8".

- Command Transmit

Select the "Reservation(Send Until Successful)" or the "No reservation(Send Once, Immediately)". Refer to “4.5.8.Reservation function” for a detailed explanation.

- IP Phone Information

Can narrow down the ip phones by entering the following information and clicking the "Search" button.

Type : By selecting the ip phone name registered in advance, can set H/W ver. Can register additional ip phones. For details, see Edit.

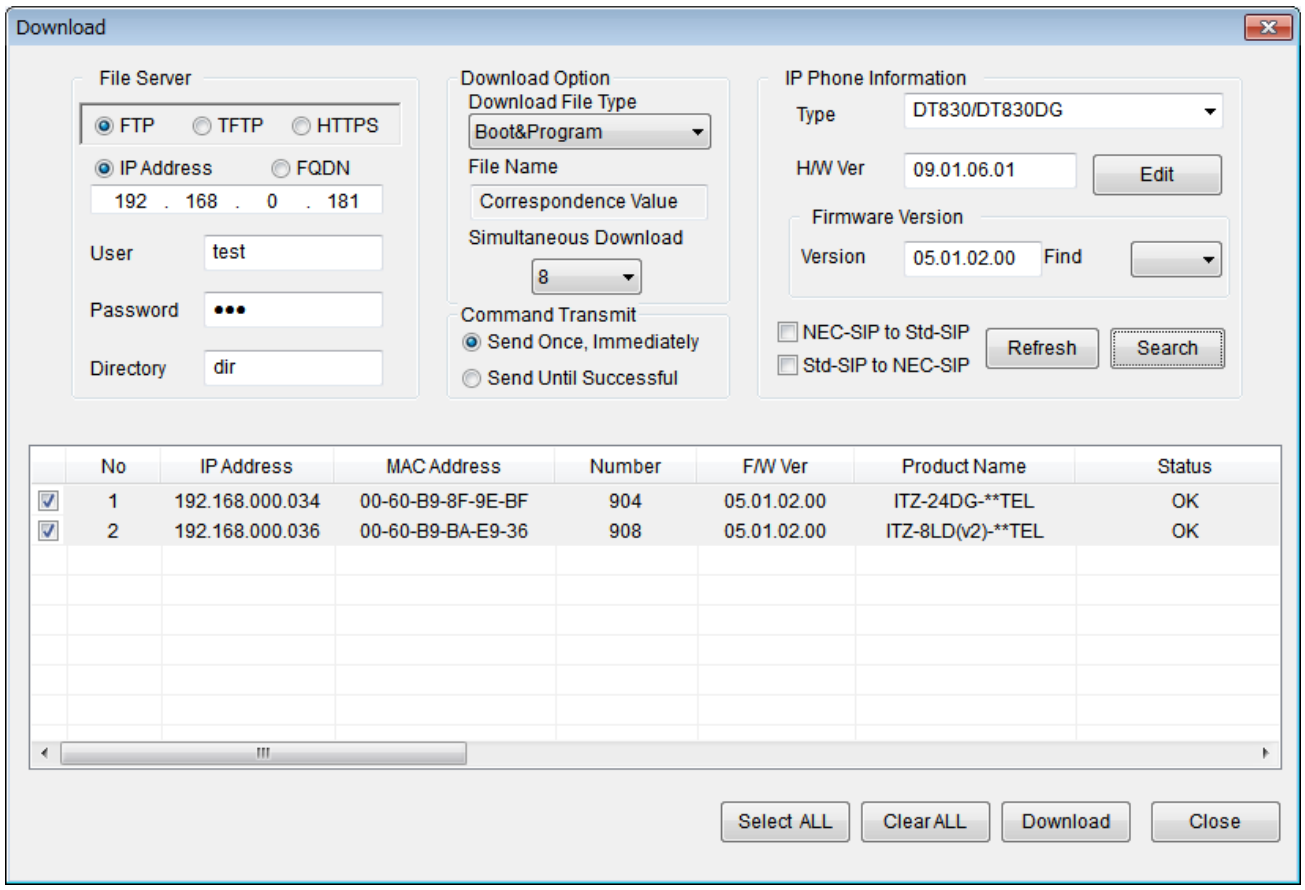
H/W ver : Narrow down the ip phones from the Hardware version.

Firmware Version : Narrow down the ip phones from the firmware version. Find compares the entered firmware versions and narrows down.

NEC-SIP to Std-SIP : Change the firmware from the DT800/DT700 terminal to the Standard SIP terminal.

Std-SIP to NEC-SIP : Change the firmware from the Standard SIP terminal to the DT800/DT700 terminal.

* "NEC-SIP to Std-SIP" and "Std-SIP to NEC-SIP" are supported by IPPhone Manager Ver 4.0.0 or later.



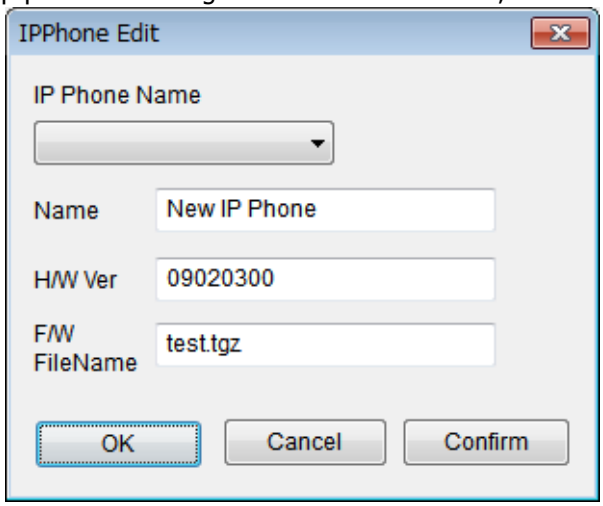
When inputting to both H/W ver and Firmware Version, the logical conjunction of both conditions is taken and only phones that satisfy the conditions are displayed in the list.

Can redisplay all searched phones by clicking the "Search" button.

➢ Edit

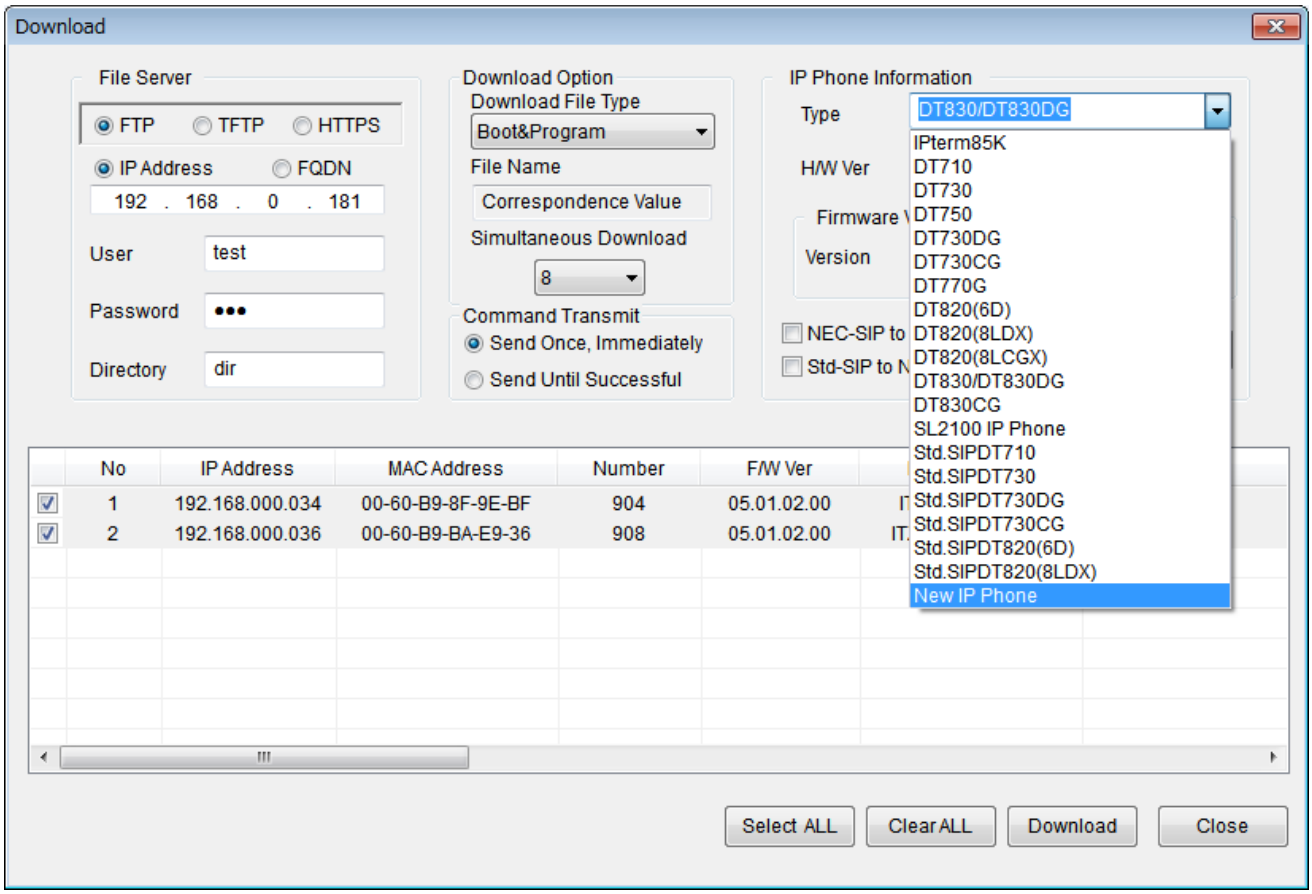
If a new ip phone is added, can register a new name, H/W ver, F/W FileName for that the ip phone. When registering newly select the blank field with the ip phone name.

If H / W ver of the ip phone to be registered is "09.02.03.00", enter "09020300" for H/W ver input.



When input is completed, please click "OK" or "Confirm" button.

When you return to the Download screen, Name entered in the Name of Edit screen is in Type field,the H/W ver entered in the H/W ver field is reflected in the H/W ver field and displayed.



F/W FileName is used to acquire the firmware file name corresponding to H/W ver from File Server when downloading F/W.

Example of the case of the above setting)

H/W ver:09.01.03.00=FileName:itlisipe.tgz
H/W ver:09.01.03.03=FileName:itlisipv.tgz
H/W ver:09.01.03.04=FileName:itlisips.tgz
H/W ver:09.02.03.00=FileName:test.tgz

If match the H/W ver pre-registered in the IP Phone Manager with the H/W ver of the download terminal, downloads with the registered file name.
The list of H/W ver and FileName pre-registered in the IP Phone Manager is as follows.
These are fixed and can not be changed.

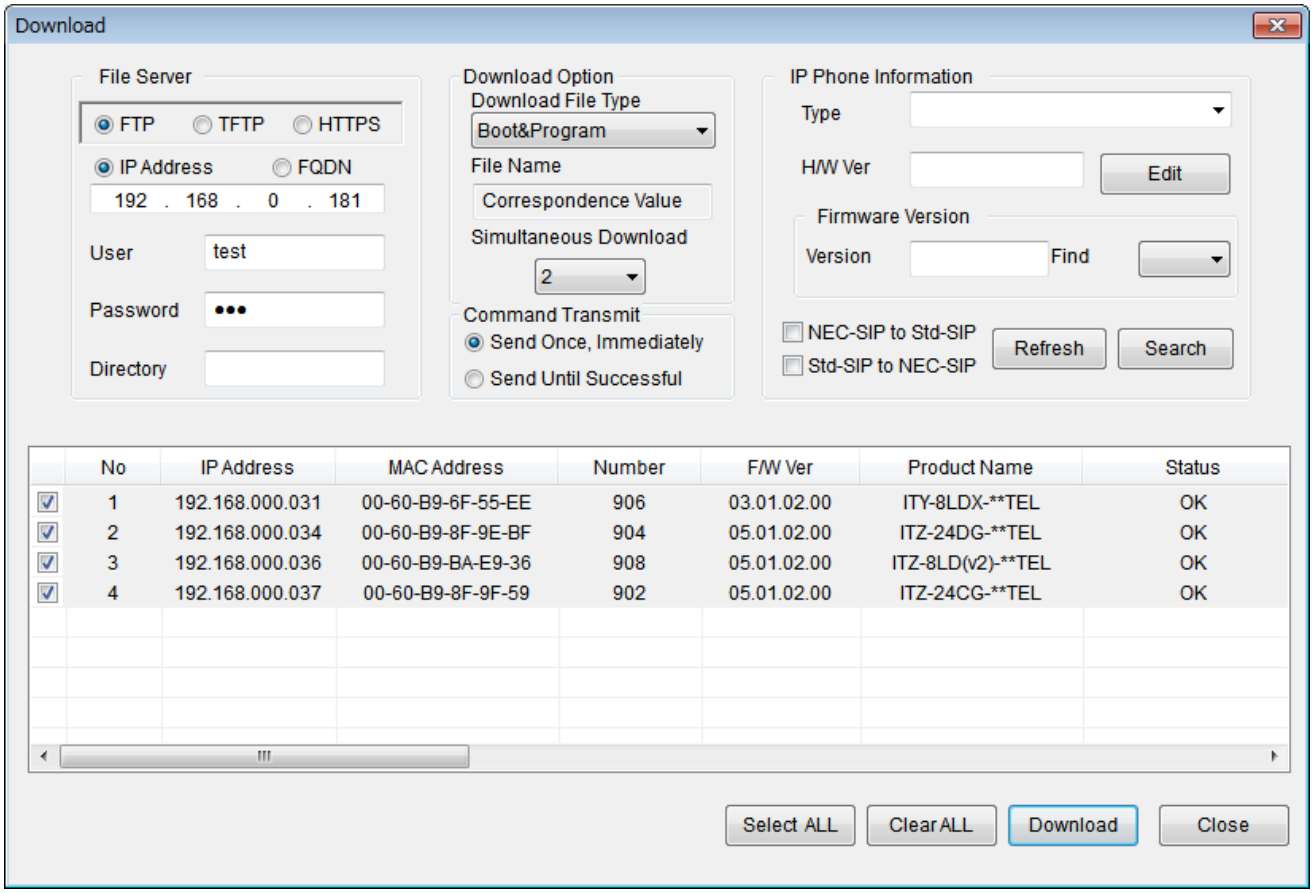
Series	Model name	H/W ver	FileName	Remarks
ITY Series terminals	DT820(6D)	09.01.07.00	ityisipe.tgz	IPPhoneManager Ver 8.0.0 or later
	DT820(8LDX)	09.01.07.01	ityisipex.tgz	
	DT820(8LCGX)	09.01.07.02	ityisipec.tgz	IPPhoneManager Ver 8.5.0 or later
ITZ Series terminals	DT830(12D/24D/32D /24PA/24PD)	09.01.06.01	itzisipvg.tgz	IPPhoneManager Ver 7.0.0 or later
	DT830(32DLK) DT830G(24DG)			IPPhoneManager Version7.1.0 or later
	DT830(12D/24D/32D /32DLK/24PAG/24PD G)< Replacement>			IP Phone Manager Ver 7.2.1 or later
	DT830G(24CG)	09.01.06.02	itzisipvc.tgz	IP Phone Manager Ver 7.1.0 or later
ITL Series terminals	DT710	09.01.03.00	itlisipe.tgz	
	DT730	09.01.03.03	itlisipv.tgz	
	DT750	09.01.03.04	itlisips.tgz	
	DT730DG	09.01.05.01	itlisipvg.tgz	IP Phone Manager Ver 6.0.0 or later
	DT730CG	09.01.05.02	itlisipvc.tgz	IP Phone Manager Ver 6.0.0 or later
	DT770G	09.01.05.04	itlisipcr.tgz	IP Phone Manager Ver 6.1.0 or later
IP7WW Series terminals	SL2100 IP Phone	09.01.00.02	itiysiprx.tgz	IP Phone Manager Ver 8.3.0 or later
ITY Series standard SIP terminals	Std.SIPDT820(6D)	09.05.02.00	ityissipe.tgz	IP Phone Manager Ver 8.0.0 or later
	Std.SIPDT820(8LDX)	09.05.02.01	ityissipex.tgz	
ITL Series standard SIP terminals	Std.SIPDT710	09.01.04.00	itlissipe.tgz	IP Phone Manager Ver 4.0.0 or later
	Std.SIPDT730	09.01.04.03	itlissipv.tgz	IP Phone Manager Ver 4.0.0 or later
	Std.SIPDT730DG	09.05.00.01	itlissipvg.tgz	IP Phone Manager Ver 6.0.1 or later
	Std.SIPDT730CG	09.05.00.02	itlissipvc.tgz	IP Phone Manager Ver 6.0.1 or later
IPterm85K	IPterm85K	01.45	ramhp2pw.tgz	

Up to "10" models can be added besides the above models.

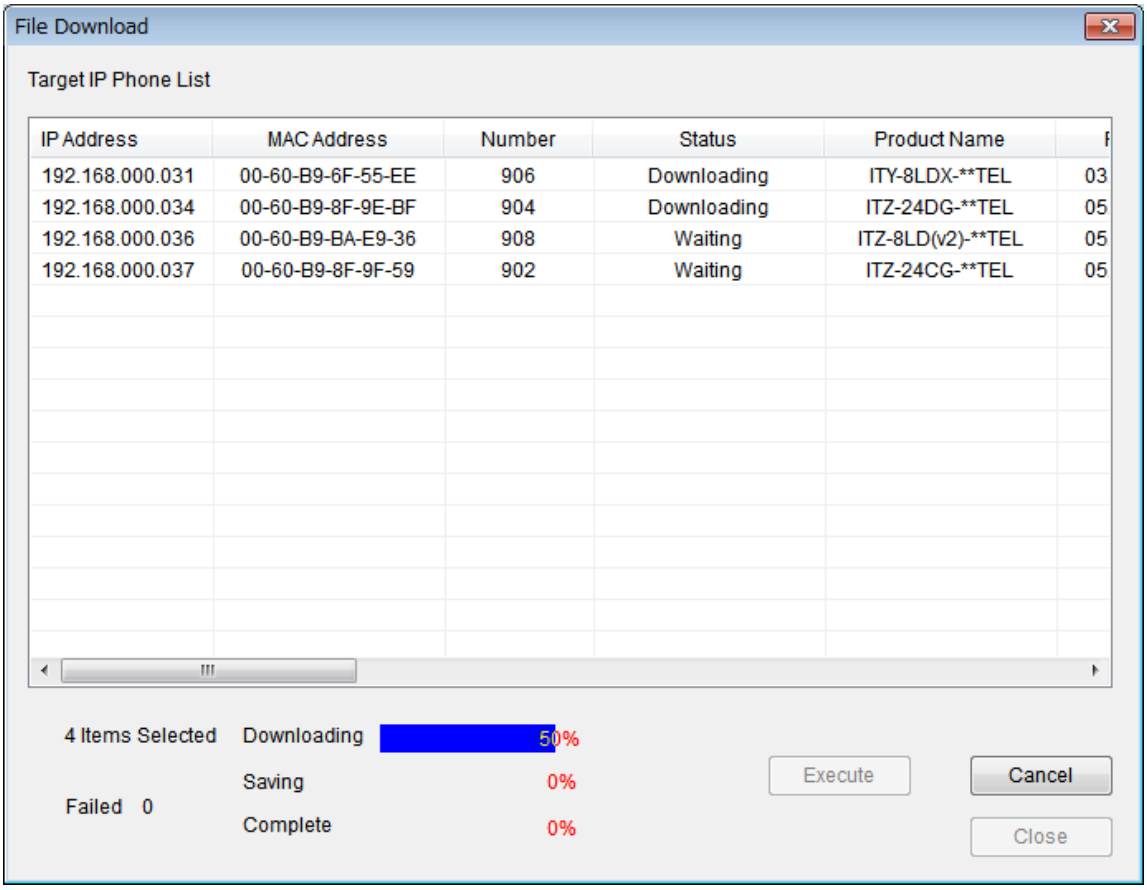
4.5.5.1. An example of download (Boot & Program)

Make sure that File Server is connected beforehand and that the file to be downloaded is specified in the path of File Server.

Select 4 phones, set the Download File Type to "Boot&Brogram", set the Simultaneous Download setting value to 2, and click the "Download" button.



When the Firmware Download screen appears, click the "Execute" button.



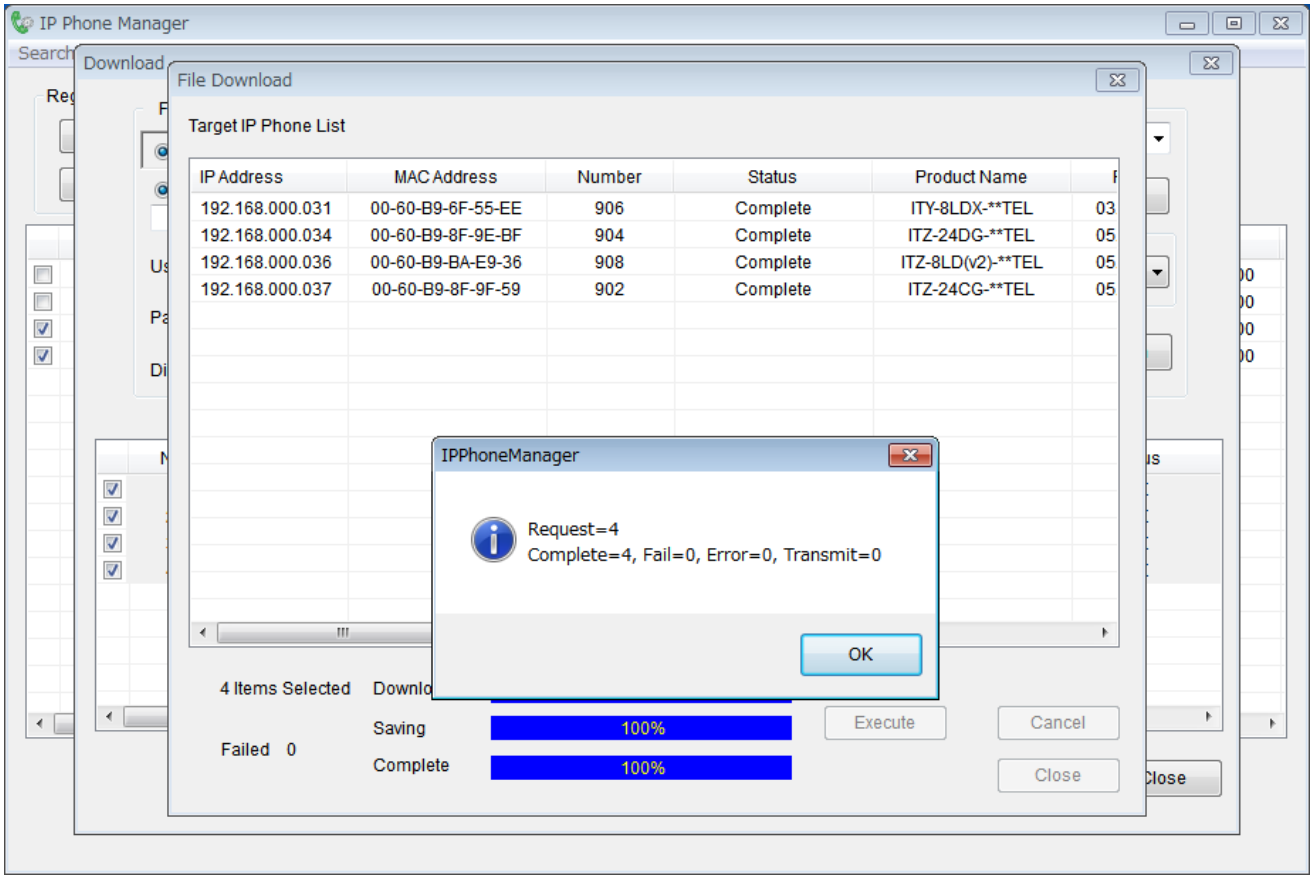
2 downloads are started in the order of the youngest IP Address. For ip phones that have started downloading, the status will be "Downloading" and the other ip phones will be "Waiting".

After a while Status will change from "Downloading" to "Saving", the status of the ip phone "Waiting" will be "Downloading".Since "Simultaneous Download" setting is "2", two phones are always "Downloading".

When the download is completed, Status becomes "Complete", and the ip phone automatically resets after 5 seconds.

"Downloading", "Saving", "Complete" at the bottom of the screen displays the current progress status as a percentage.

When downloading is completed, the result is displayed.



When return to the main screen after displaying the download result, the status of the ip phone that downloaded is displayed as "Search Error".

This is because the hard reset is applied after the completion of the downloaded ip phone, and the connection with the IP Phone Manager is disconnected. If you want to remote control instruct again, execute "Connect" and "Login" before running remote control.

<<Notes on downloading>>

If "Status" shows "Error", there is a possibility that communication with the target ip phone is not possible.

Please execute "Connect" and "Login" again.

If "Status" shows "Failed", there are two main reasons that can be considered.

1) The File Server setting may be incorrect, or the FTP / TFTP Sever may be down.

2) The download file may not be the correct file.

Even if the File Server setting is normal and the download file is correct, "Download N/A" may be displayed.

As this may be because the target ip phone is in a call, execute the download instruction again after a while.

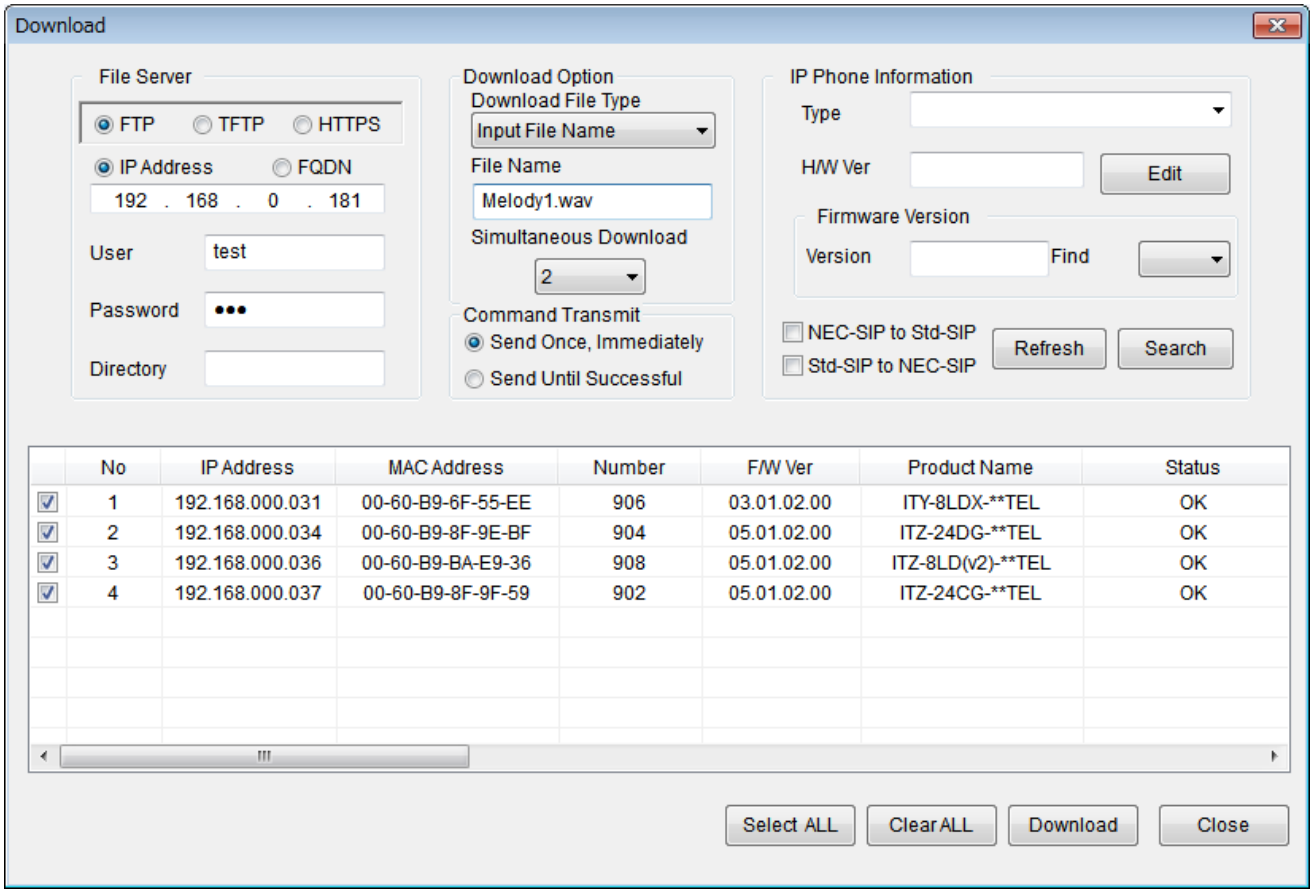
If click the "Cancel" button during the download instruction execution, the ip phone whose Status is "Waiting" will be "Cancel" and no download instruction will be sent to the ip phone.

But, Status phones with "Downloading" and "Saving" can not cancel the download instruction.

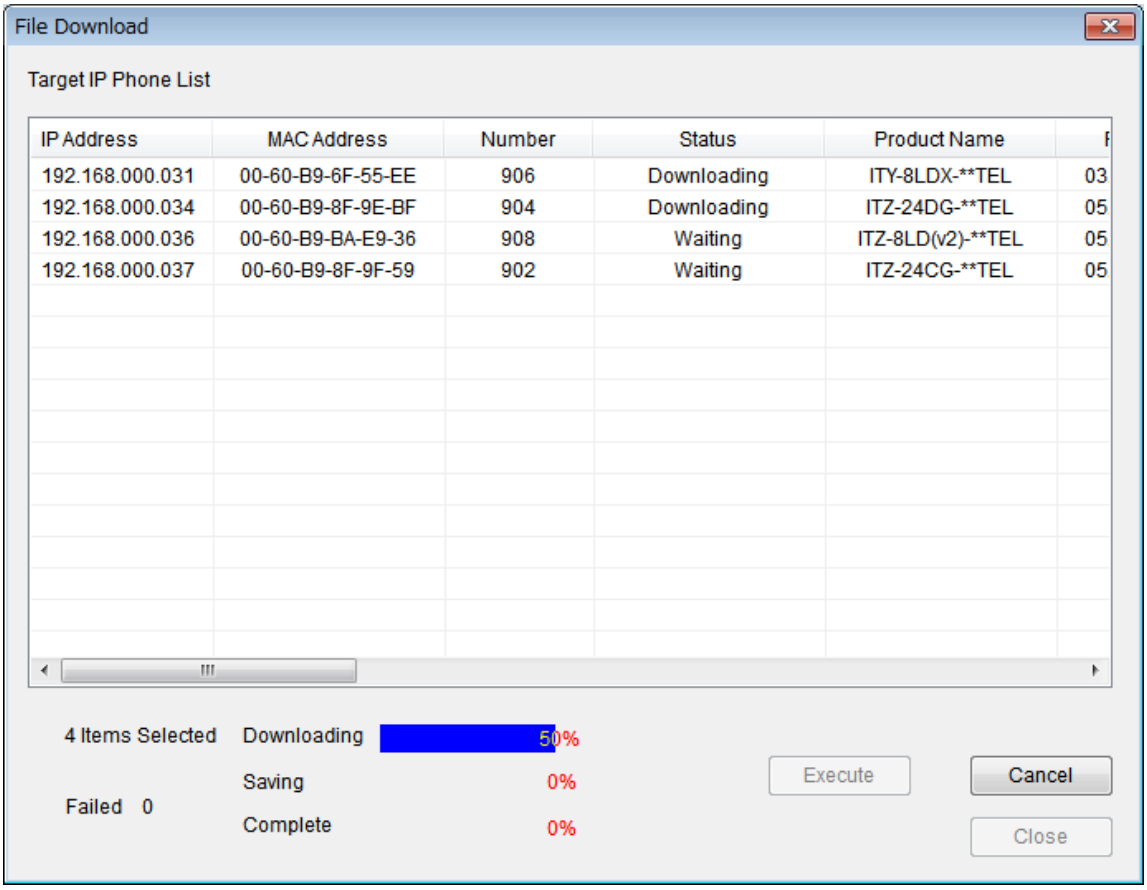
4.5.5.2. An example of download (The ringtone 1)

Make sure that File Server is connected beforehand and that the file to be downloaded is specified in the path of File Server.

Select 4 phones, set the Download File Type to "Input File Name", set the File Name to "Melody1.wav", set the Simultaneous Download setting value to 2, and click the "Download" button.



When the Firmware Download screen appears, click the "Execute" button.



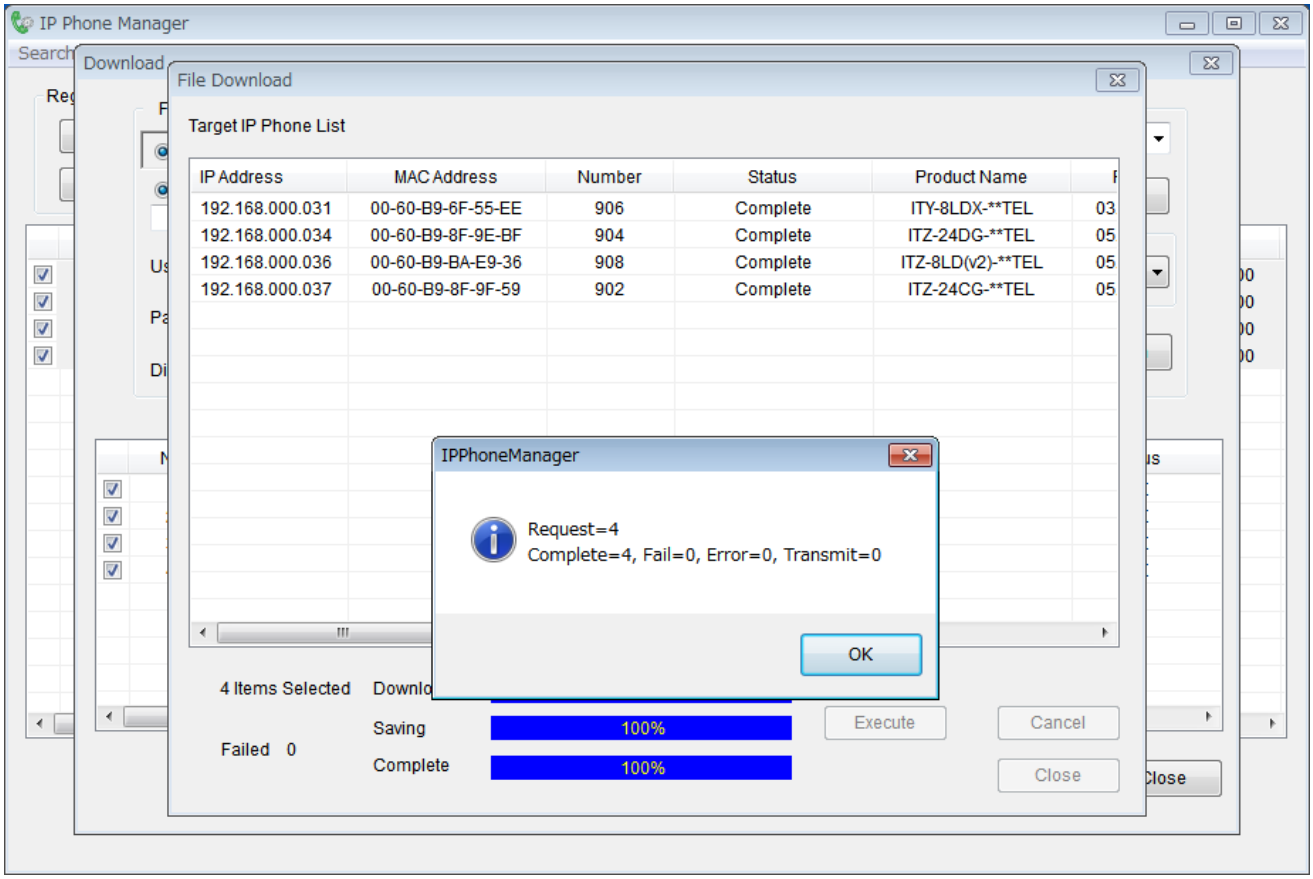
2 downloads are started in the order of the youngest IP Address. For ip phones that have started downloading, the status will be "Downloading" and the other ip phones will be "Waiting".

After a while Status will change from "Downloading" to "Saving", the status of the ip phone "Waiting" will be "Downloading".Since "Simultaneous Download" setting is "2", two phones are always "Downloading".

When the download is completed, Status becomes "Complete".

"Downloading", "Saving", "Complete" at the bottom of the screen displays the current progress status as a percentage.

When downloading is completed, the result is displayed.



<<Notes on downloading>>

If "Status" shows "Error", there is a possibility that communication with the target ip phone is not possible.

Please execute “Connect” and “Login” again.

If "Status" shows "Failed", there are two main reasons that can be considered.

1) The File Server setting may be incorrect, or the File Sever may be down.

2) The download file may not be the correct file.

Even if the File Server setting is normal and the download file is correct, "Download N/A" may be displayed.

As this may be because the target ip phone is in a call, execute the download instruction again after a while.

If click the "Cancel" button during the download instruction execution, the ip phone whose Status is "Waiting" will be "Cancel" and no download instruction will be sent to the ip phone.

But, Status phones with "Downloading" and "Saving" can not cancel the download instruction.

4.5.5.3. An example of download (Config)

Describes an example of Config download processing.

In this chapter, executes the Config download to the terminal listed in the table below.

	Terminal A	**Terminal B**	**Terminal C**	**Terminal D**
Series Name	DT700 Series	DT730G Series	DT800 Series	DT800 Series
Model	DT730	DT730DG	DT830DG	DT820(6D)
MAC Address	00:60:B9:11:22:33	00:60:B9:44:55:66	00:60:B9:77:88:99	00:60:B9:AA:BB:CC
IP Address	172.16.253.100	172.16.253.101	172.16.253.102	172.16.253.103
Phone Number	200	201	202	203

In the Config download, File Name is selected from the following

- TerminalCfg.gz/Termianl.gz
- PersonalCfg.gz/Personal.gz
- <MAC>_TerminalCfg.gz/Termianl.gz
- <MAC>_PersonalCfg.gz/Personal.gz
- <IP>_TerminalCfg.gz/Termianl.gz
- <IP>_PersonalCfg.gz/Personal.gz
- <PhoneNumber>_TerminalCfg.gz/Termianl.gz
- <PhoneNumber>_PersonalCfg.gz/Personal.gz
- config.tgz

About the download file name by the terminals(Terminal A-D) when choosing respective File Name, indicated in the following table.

File Name(1/3)	TerminalCfg.gz/Termianl.gz	PersonalCfg.gz/Personal.gz	<MAC>_TerminalCfg.gz/Termianl.gz
Terminal A	Termianl.gz	Personal.gz	00-60-B9-11-22-33_Terminal.gz
Terminal B	TerminalCfg.gz	PersonalCfg.gz	00-60-B9-44-55-66_TerminalCfg.gz
Terminal C	TerminalCfg.gz	PersonalCfg.gz	00-60-B9-77-88-99_TerminalCfg.gz
Terminal D	TerminalCfg.gz	PersonalCfg.gz	00-60-B9-AA-BB-CC_TerminalCfg.gz

File Name(2/3)	<MAC>_PersonalCfg.gz/Personal.gz	<IP>_TerminalCfg.gz/Termianl.gz	<IP>_PersonalCfg.gz/Personal.gz
Terminal A	00-60-B9-11-22-33_Personal.gz	172.16.253.100_Terminal.gz	172.16.253.100_Personal.gz
Terminal B	00-60-B9-44-55-66_PersonalCfg.gz	172.16.253.101_TerminalCfg.gz	172.16.253.101_PersonalCfg.gz
Terminal C	00-60-B9-77-88-99_PersonalCfg.gz	172.16.253.102_TerminalCfg.gz	172.16.253.102_PersonalCfg.gz
Terminal D	00-60-B9-AA-BB-CC_PersonalCfg.gz	172.16.253.103_TerminalCfg.gz	172.16.253.103_PersonalCfg.gz

File Name(3/3)	<PhoneNumber>_TerminalCfg.gz/Termianl.gz	<PhoneNumber>_PersonalCfg.gz/Personal.gz	config.tgz
Terminal A	200_Terminal.gz	200_Personal.gz	config.tgz
Terminal B	201_TerminalCfg.gz	201_PersonalCfg.gz	config.tgz
Terminal C	202_TerminalCfg.gz	202_PersonalCfg.gz	config.tgz
Terminal D	203_TerminalCfg.gz	203_PersonalCfg.gz	config.tgz

4.5.5.4. An example of download (Client Cert)

Describes an example of Client Cert download processing.

In this chapter, executes the Client Cert download to the terminal listed in the table below.

	Terminal A	**Terminal B**	**Terminal C**	**Terminal D**
Series Name	DT700 Series	DT730G Series	DT800 Series	DT800 Series
Model	DT730	DT730DG	DT830DG	DT820(6D)
MAC Address	00:60:B9:11:22:33	00:60:B9:44:55:66	00:60:B9:77:88:99	00:60:B9:AA:BB:CC
IP Address	172.16.253.100	172.16.253.101	172.16.253.102	172.16.253.103
Phone Number	200	201	202	203

In the Client Cert download, File Name is selected from the following

- <MAC>.p12
- <MAC>.tgz
- <IP>.p12
- <IP>.tgz
- <PhoneNumber>.p12
- <PhoneNumber>.tgz

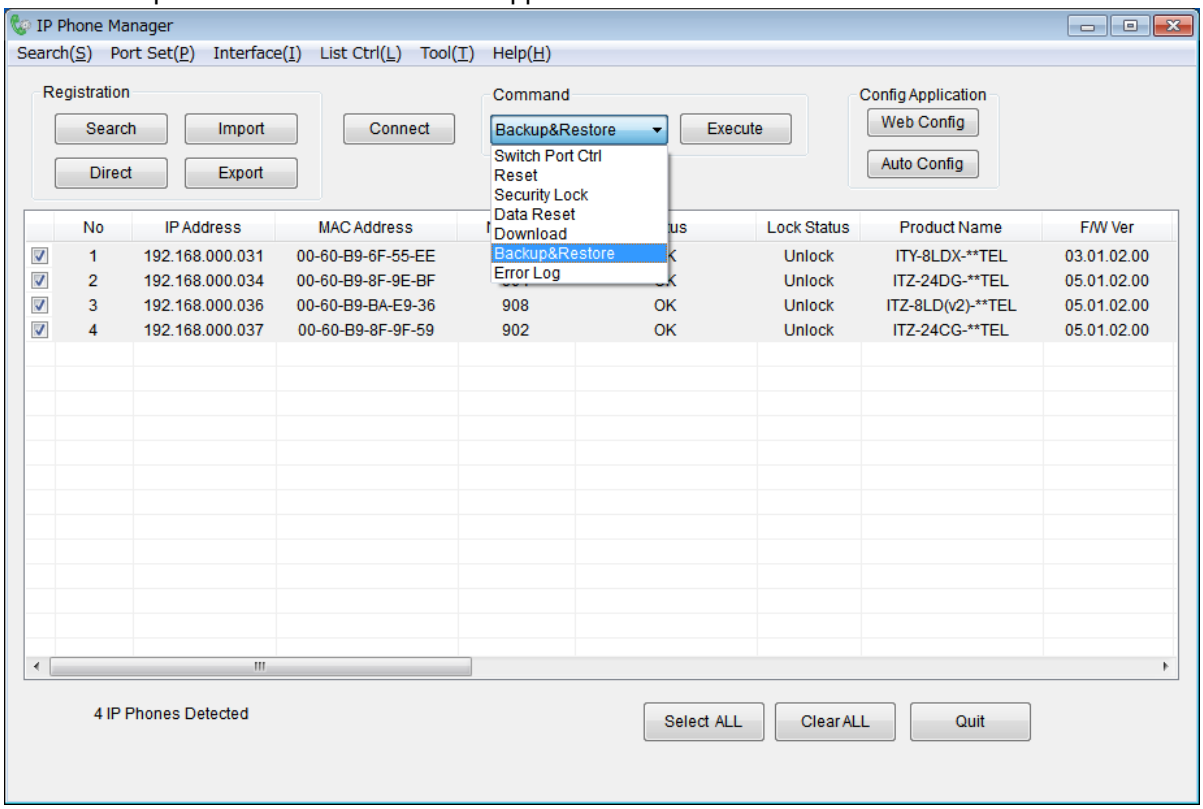
About the download file name by the terminals(Terminal A-D) when choosing respective File Name, indicated in the following table.

File Name(1/2)	<MAC>.p12	<MAC>.tgz	<IP>.p12
Terminal A	00-60-B9-11-22-33.p12	00-60-B9-11-22-33.tgz	172.16.253.100.p12
Terminal B	00-60-B9-44-55-66.p12	00-60-B9-44-55-66.tgz	172.16.253.101.p12
Terminal C	00-60-B9-77-88-99.p12	00-60-B9-77-88-99.tgz	172.16.253.102.p12
Terminal D	00-60-B9-AA-BB-CC.p12	00-60-B9-AA-BB-CC.tgz	172.16.253.103.p12

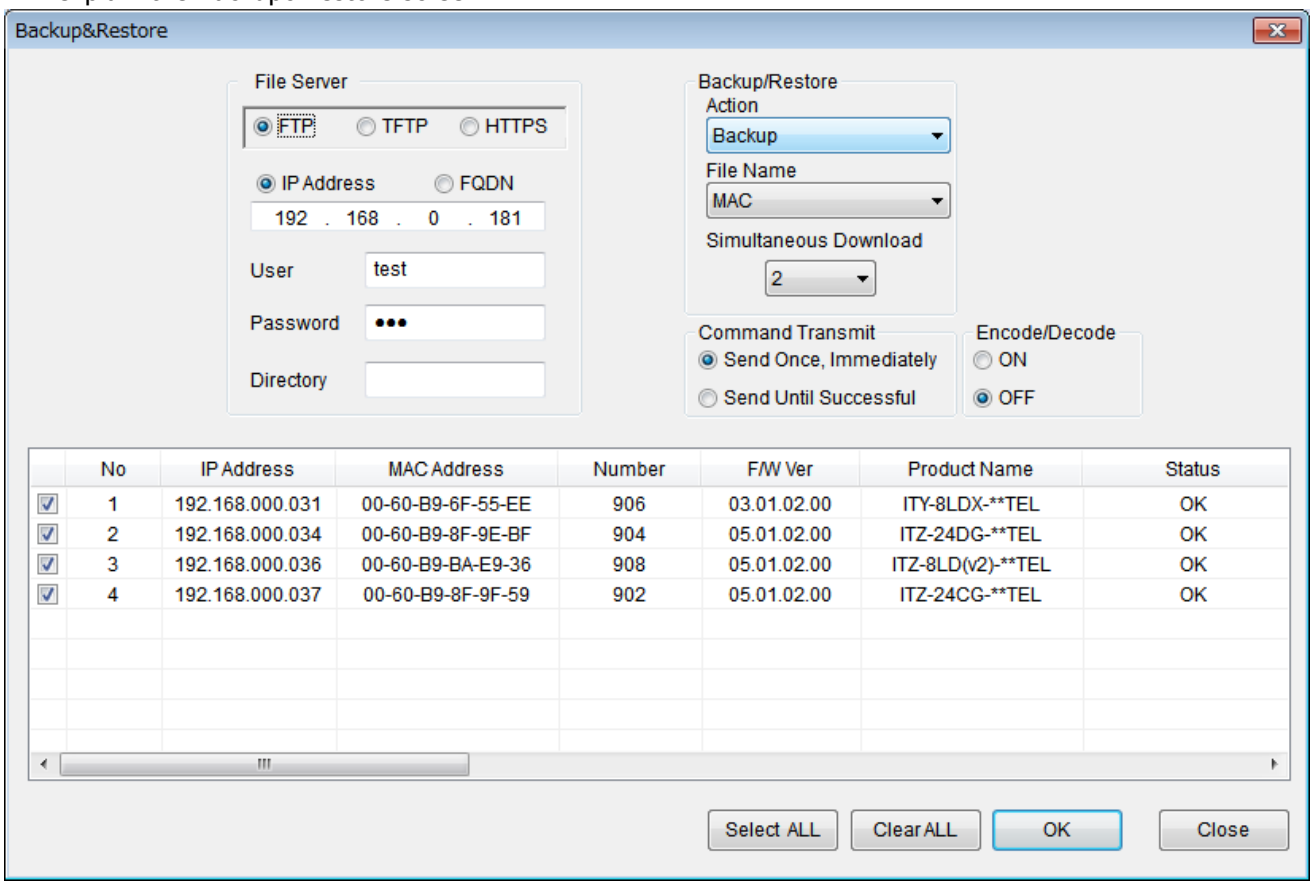
File Name(2/2)	<IP>.tgz	<PhoneNumber>.p12	<PhoneNumber>.tgz
Terminal A	172.16.253.100.tgz	200.p12	200.tgz
Terminal B	172.16.253.101.tgz	201.p12	201.tgz
Terminal C	172.16.253.102.tgz	202.p12	202.tgz
Terminal D	172.16.253.103.tgz	203.p12	203.tgz

4.5.6. Backup&Restore

Backup or restore phone settings and data.
To execute Backup & Restore, select "Backup&Restore" in the Command frame and click "Execute".
* The Backup & Restore function is not supported on standard SIP terminals.



Will explain the Backup&Restore screen.



- File Server

  Configure File Server.

  FTP/TFTP/HTTPS : Choose the transfer protocol from FTP/TFTP/HTTPS.

  IP Address/FQDN : Choose the File Server's address type from IP Address/FQDN.

  IP Address : Enter the Server's IP address.

  FQDN : Enter the Server's FQDN address. The maximum number of characters is 127.

  User : Enter the user name of the account you set for File Server.
  The maximum number of characters is 64. Not used for TFTP.

  Password : Enter the password for the account you set for File Server.
  The maximum number of characters is 64. Not used for TFTP.

  Directory : Enter the relative directry path corresponding to the default directory set for File Server.
  The maximum number of characters is 64.

  Example: If the default directory set for File Server is "C:/Inetpub/ftproot" and you want to place the file in "C:/Inetpub/ftproot/data", enter "/data" in the directory field . ("/" is may or may not input in this case.)

  【Notes】

  *In order to specify HTTPS or FQDN, the notification destination of the command must be the following terminal

  DT830 terminal (A terminal F/W ver 5.1.0.0 or later)

  DT820 terminal (A terminal F/W ver 3.1.0.0 or later)

  It is impossible to command to an terminals of other than above.

- Backup/Restore

  Action : Select Backup or Restore.

  File Name : If Backup is selected in the Action setting, make setting to select the file name of uploaded to Server from the MAC / IP Address / Phone Number of the ip phone. If Restore is selected in Action setting, make setting to select file name of download from Server from MAC / IP Address / Phone Number of phone.

  Simultaneous Download : At the same time, set the number of ip phones to instruct Backup or Restore. The range that can be set is from "1" to "8".

- Command Transmit

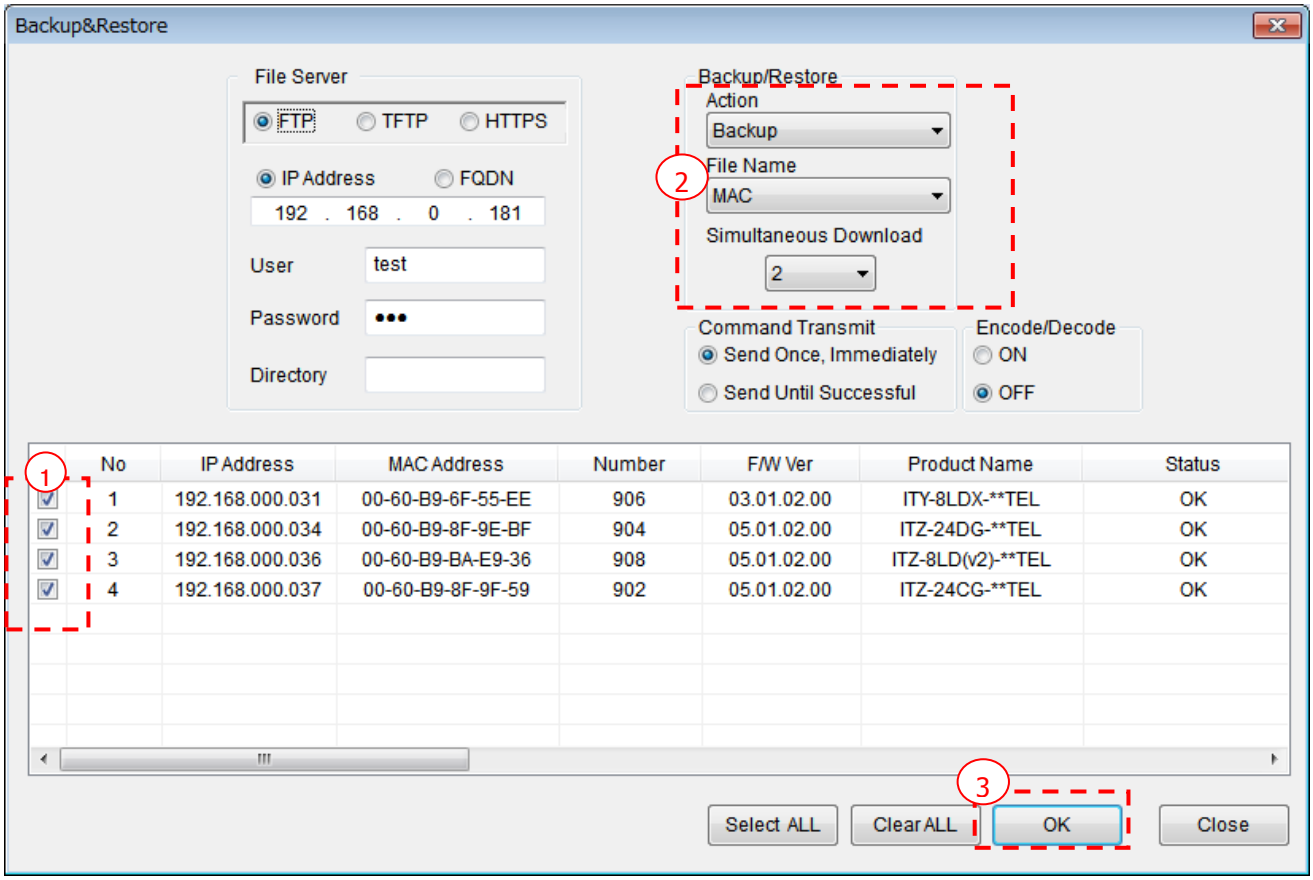
  Select the "Reservation(Send Until Successful)" or the "No reservation(Send Once, Immediately)". Refer to "4.5.8.Reservation function" for a detailed explanation.

- Encode/Decode

  Choose Encrypted (ON) or No Encryption (OFF).

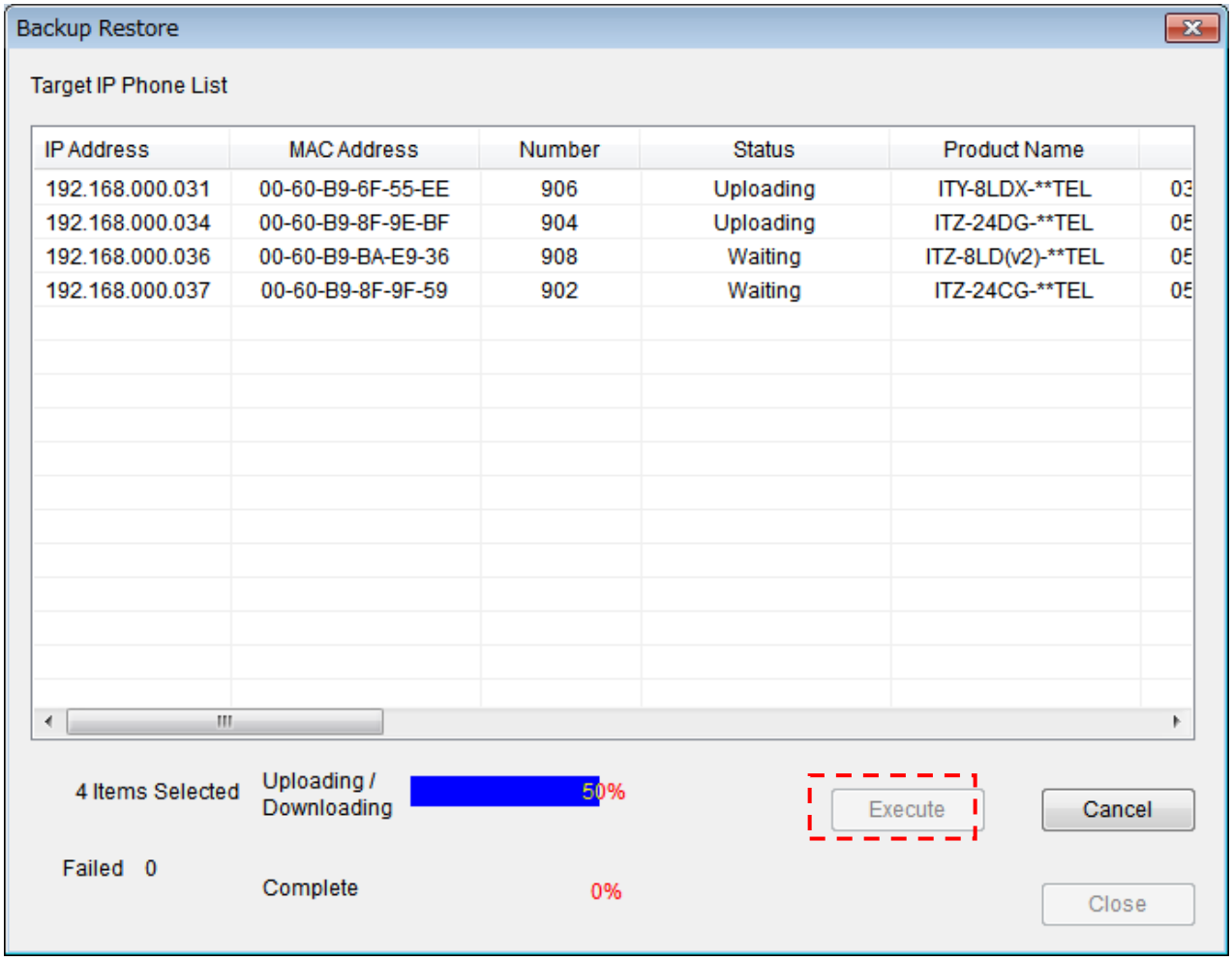
4.5.6.1. An example of Backup (when MAC is selected to File Name)

Make sure that the File Server is connected to the PC beforehand.



Step 1. Select the ip phone to be backed up and turn on the check box.
Step 2. Sets "Action" to "Backup", sets "File Name" to "MAC", sets "Simultaneous Download" to "2".
Step 3. Click "OK" button.

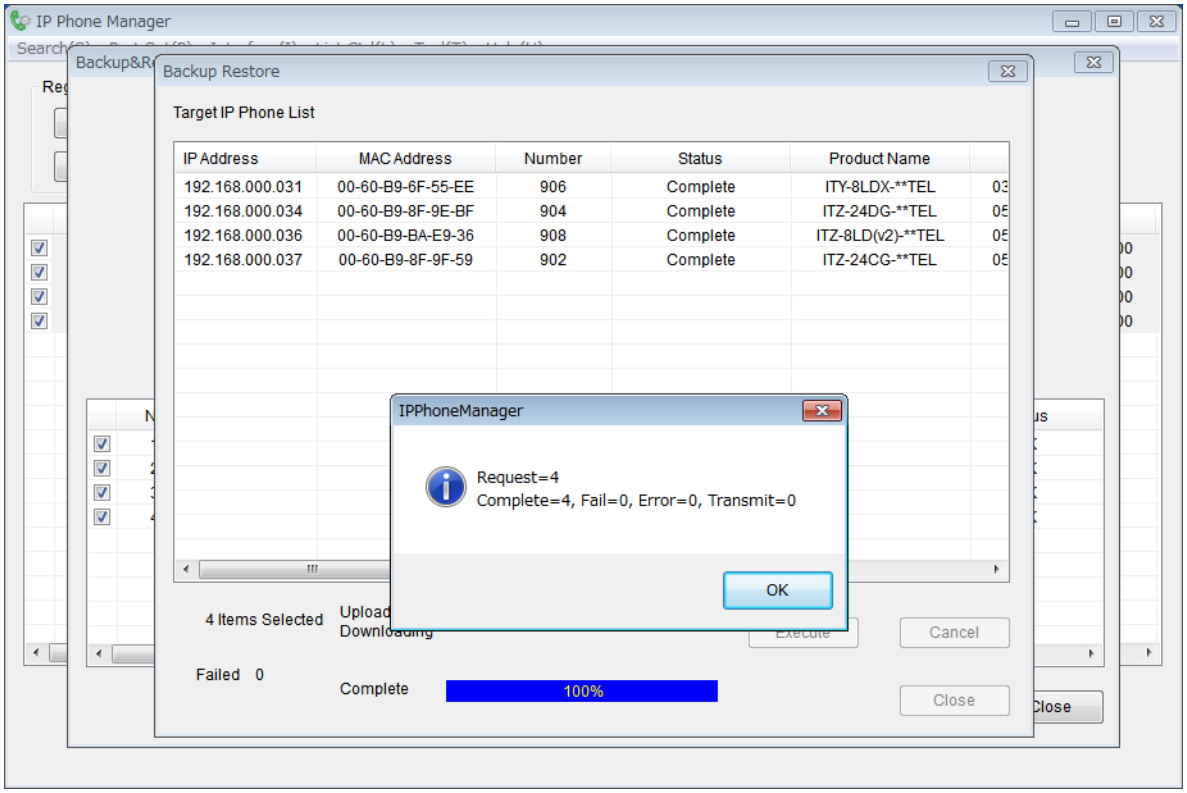
When the Backup Restore screen displays click the "Execute"button.



2 backs up are started in the order of the youngest IP Address. For ip phones that have started back up, the status will be "Uploading" and the other ip phones will be "Waiting".
After a while Status will change from "Uploading" to "Complete", the status of the ip phone "Waiting" will be "Uploading".Since "Simultaneous Download" setting is "2", two phones are always "Uploading".

" Uploadig/Downloading ", "Complete" at the bottom of the screen displays the current progress status as a percentage.

When the backup is completed, the result is displayed.

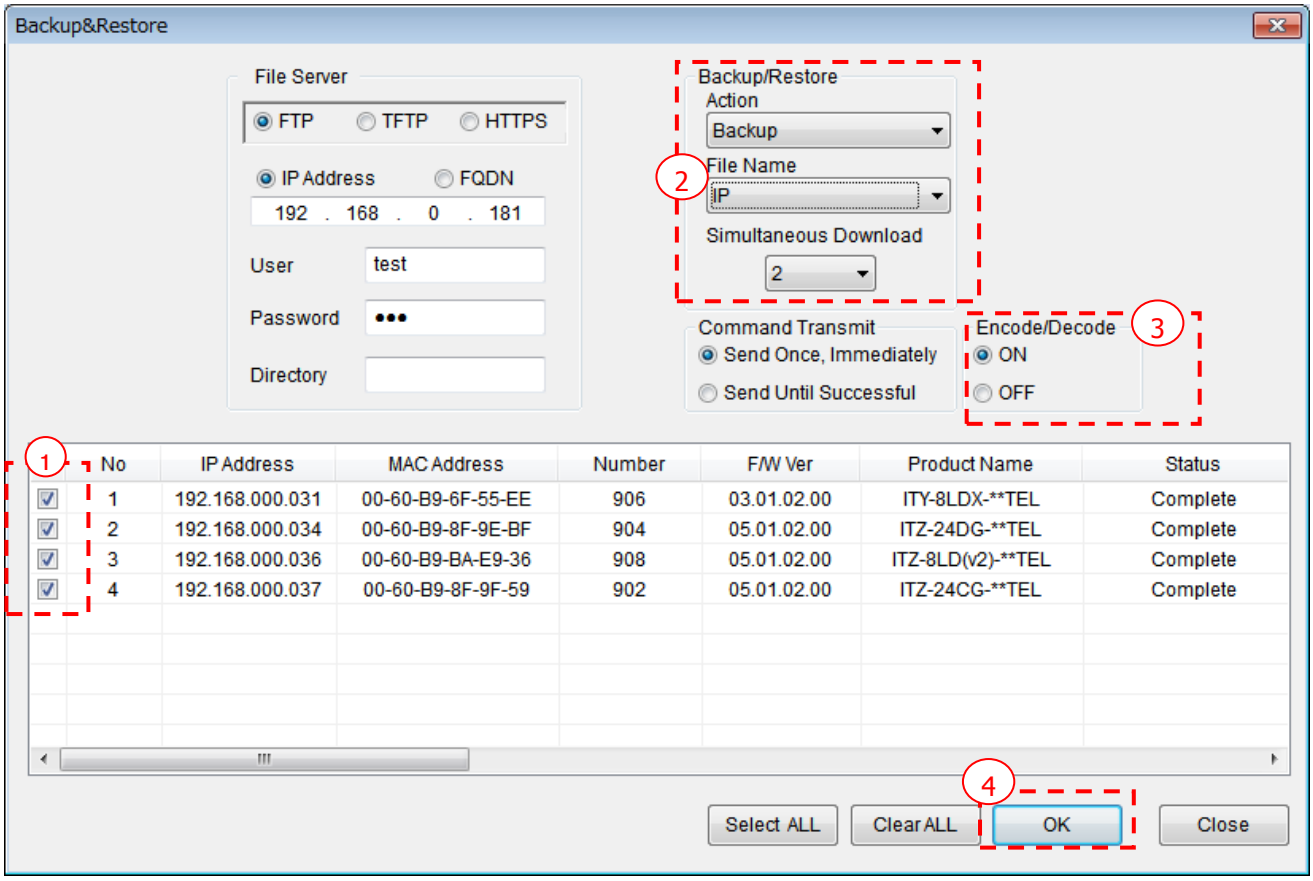


If the backup result is successful, the backup file is uploaded to the TFTP / FTP Server root directory with the following file name.

- 00-60-B9-8F-9E-BF_Backup
- 00-60-B9-ED-45-DC_Backup
- 00-60-B9-83-FE-E0_Backup
- 00-60-B9-8E-B3-B5_Backup

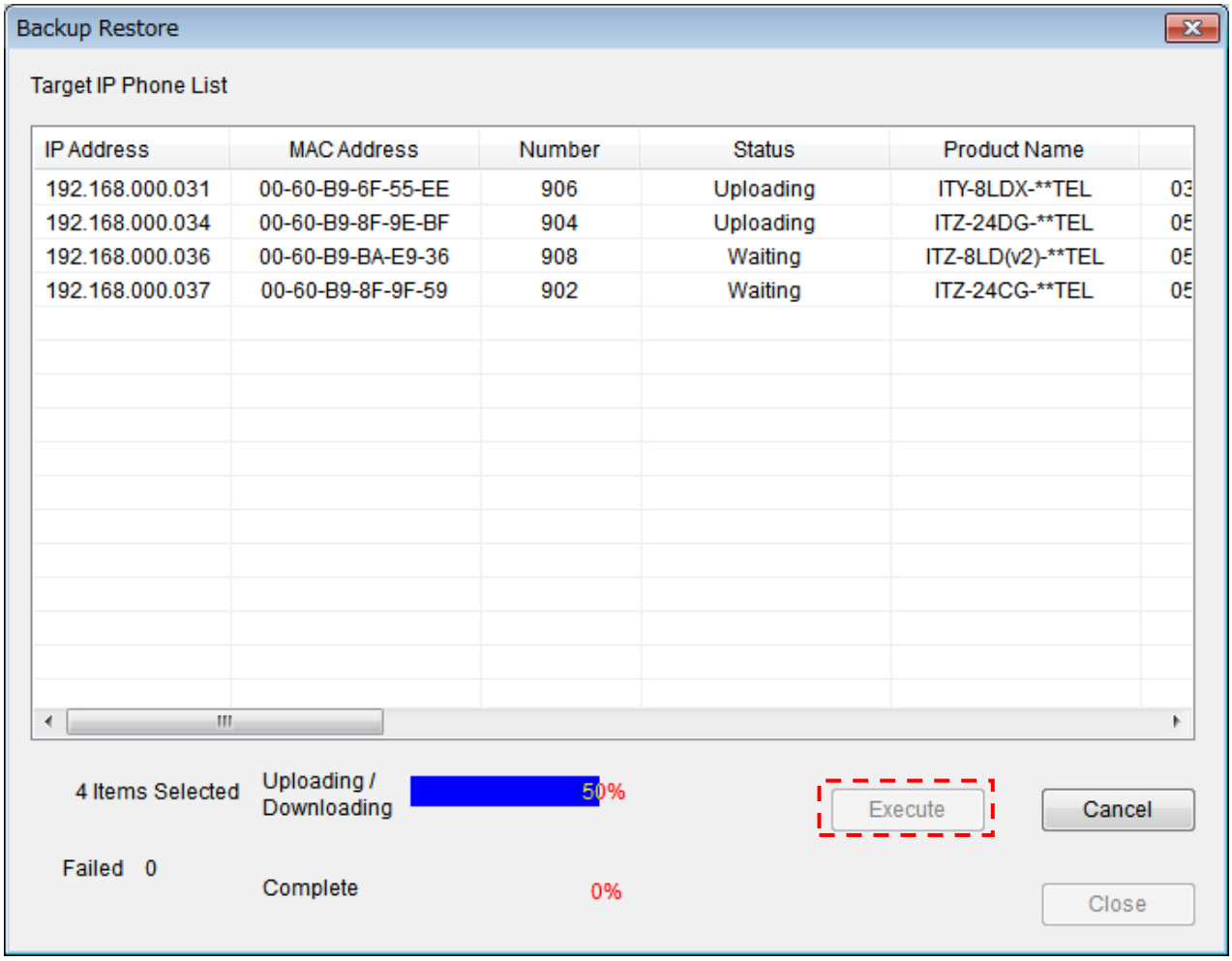
4.5.6.2. An example of encrypted Backup(when IP is selected to File Name, and Encode/Decode is selected to ON)

Make sure that the File Server is connected to the PC beforehand.



Step 1. Select the ip phone you want to back up and select the check box.
Step 2. Sets "Action" to "Backup", sets "File Name" to IP, sets "Simultaneous Download" to "2".
Step 3. Sets "Encode/Decode" to "ON".
Step 4. Click the "OK" button.

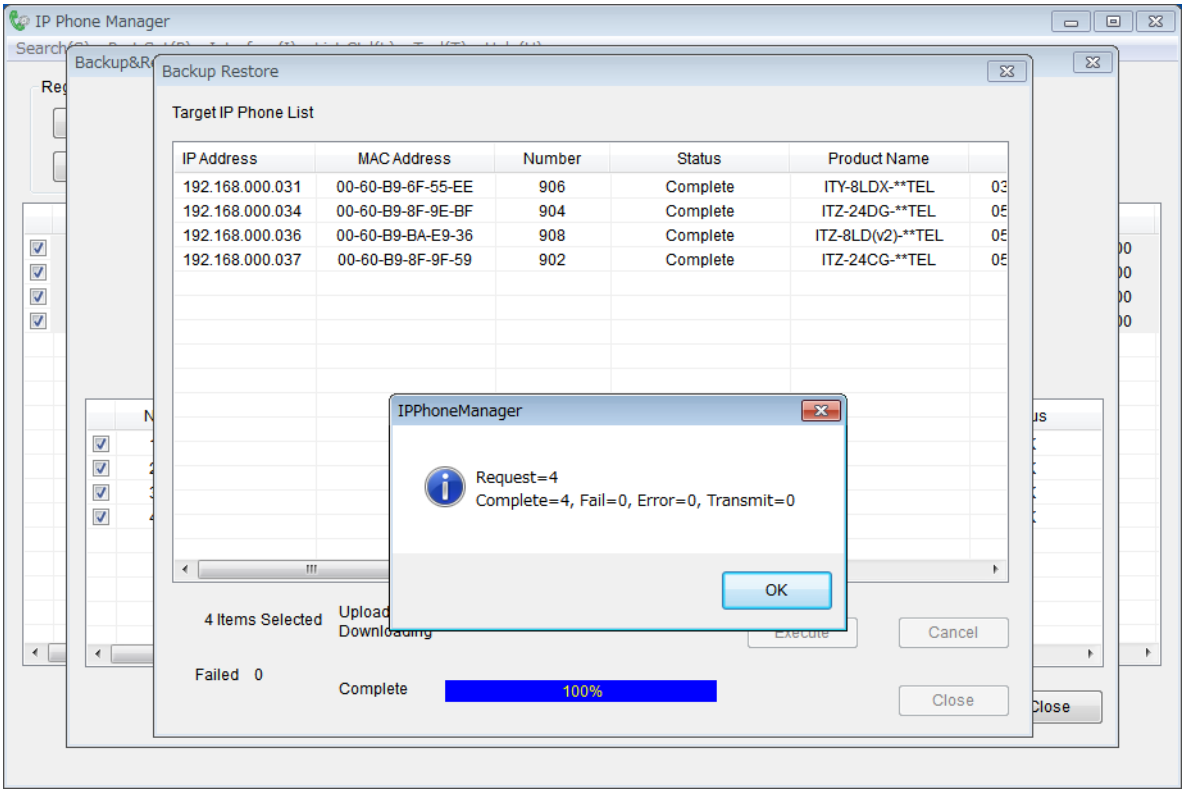
When the Backup Restore screen displays click the "Execute" button.



2 backs up are started in the order of the youngest IP Address. For ip phones that have started back up, the status will be "Uploading" and the other ip phones will be "Waiting".
After a while Status will change from "Uploading" to "Complete", the status of the ip phone "Waiting" will be "Uploading".Since "Simultaneous Download" setting is "2", two phones are always "Uploading".

"Uploadig/Downloading ", "Complete" at the bottom of the screen displays the current progress status as a percentage.

When the backup is completed, the result is displayed.



If the backup result is successful, the backup file encrypted with the terminal administrator password is uploaded to the TFTP / FTP Server root directory with the following file name.

- 172.016.000.201_Backup.ef
- 172.016.000.202_Backup.ef
- 172.016.000.203_Backup.ef
- 172.016.000.205_Backup.ef

<<Notes on backup>>

If "Status" shows "Error", there is a possibility that communication with the target ip phone is not possible.

Please execute “Connect” and “Login” again.

If "Status" shows "Failed", The File Server setting may be incorrect, or the FTP / TFTP Sever may be down. Perform the backup instruction after setting the correct File Server.

Even if the File Server setting is perform, "Upload N/A" may be displayed.

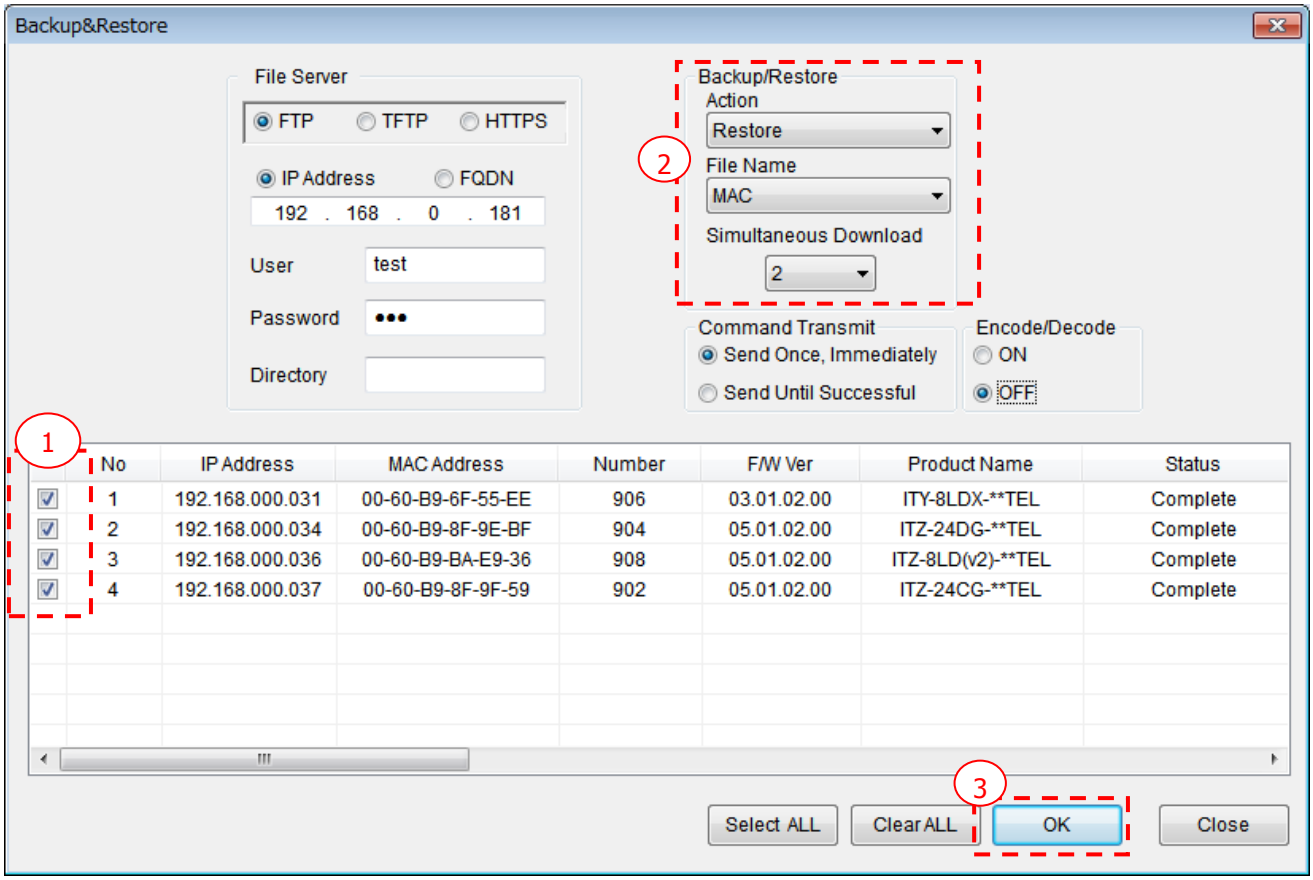
As this may be because the target ip phone is in a call, execute the back up instruction again after a while.

If click the "Cancel" button during the back up instruction execution, the ip phone whose Status is "Waiting" will be "Cancel" and no back up instruction will be sent to the ip phone.

But, Status phones with "Uploading" and "Saving" can not cancel the back up instruction.

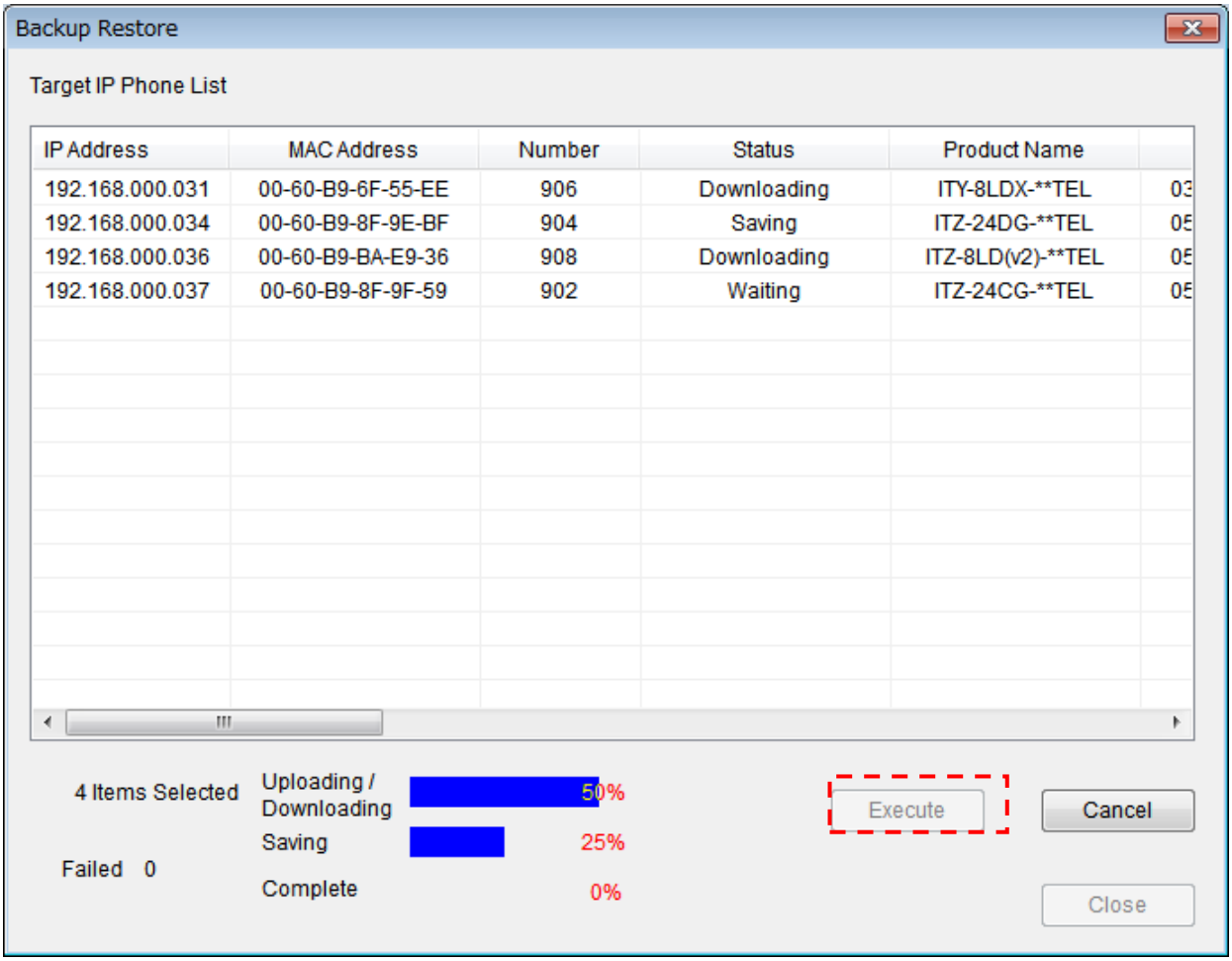
4.5.6.3. An example of Restore (when MAC is selected to File Name)

Make sure that File Server is connected beforehand and that the file to be restored is specified in the path of File Server.



Step 1. Select the ip phone you want to restore and select the check box.
Step 2. Sets "Action" to "Restore", sets "File Name" to MAC, sets "Simultaneous Download" to "2".
Step 3. Click the "OK" button.

When the Backup Restore screen displays click the "Execute" button.



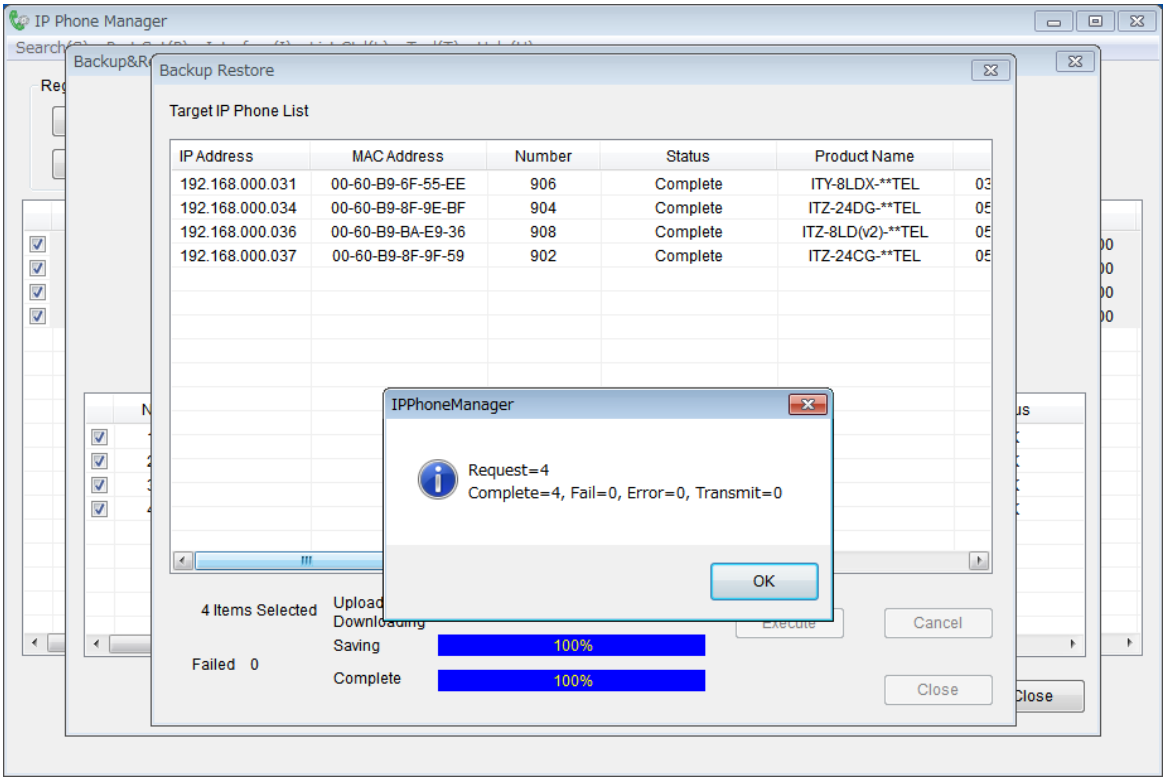
2 restores are started in the order of the youngest IP Address. For ip phones that have started restore, the status will be "Downloading" and the other ip phones will be "Waiting".

After a while Status will change from "Downloading" to "Saving", the status of the ip phone "Waiting" will be "Downloading".Since "Simultaneous Download" setting is "2", two phones are always "Downloading".

When the restore is completed, Status becomes "Complete", and the ip phone automatically resets after 5 seconds.

" Uploading/Downloadig", "Saving", "Complete" at the bottom of the screen displays the current progress status as a percentage.

When the restore is completed, the result is displayed.

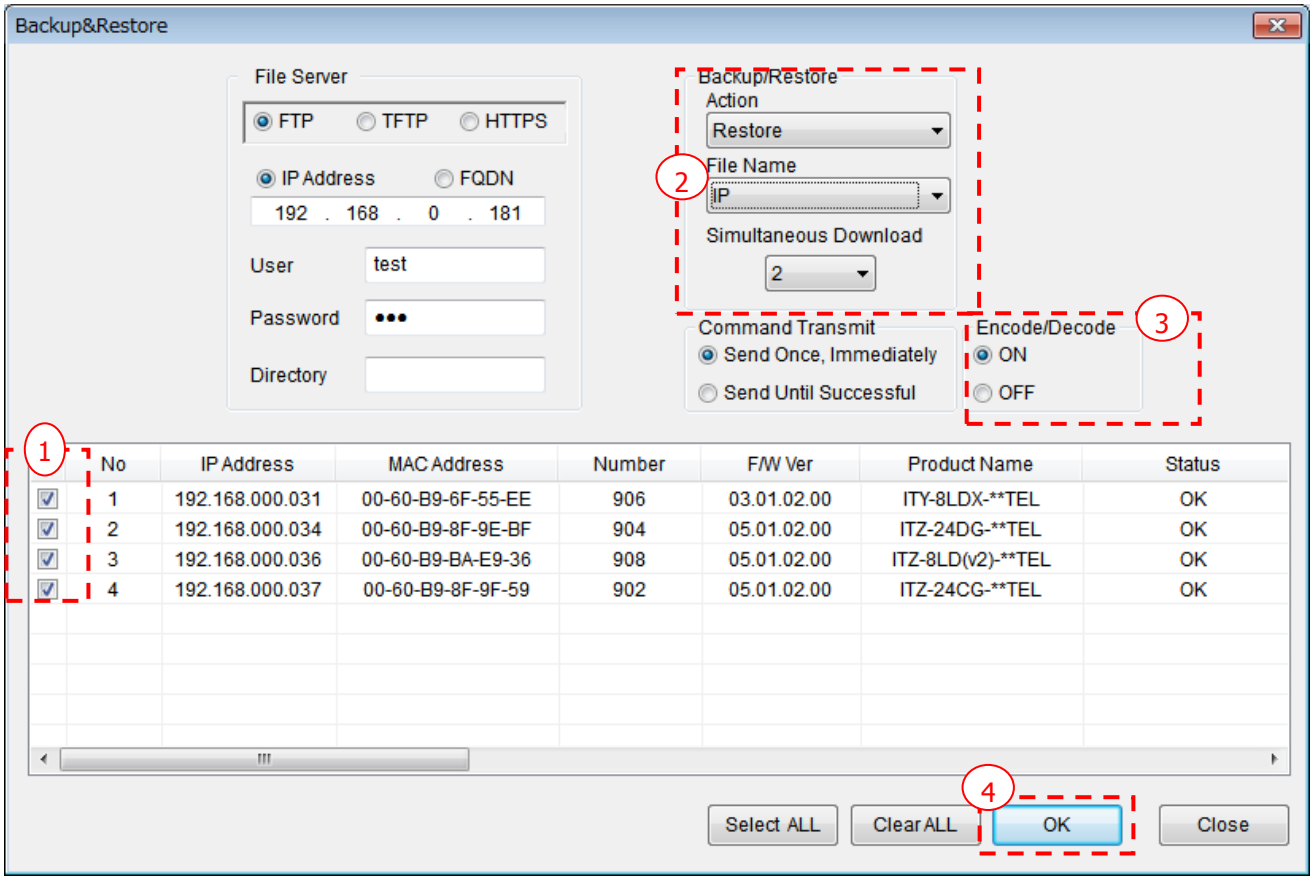


When return to the main screen after displaying the restore result, the status of the ip phone that restored is displayed as "Search Error".

This is because the hard reset is applied after the completion of the restored ip phone, and the connection with the IP Phone Manager is disconnected. If you want to remote control instruct again, execute "Connect" and "Login" before running remote control.

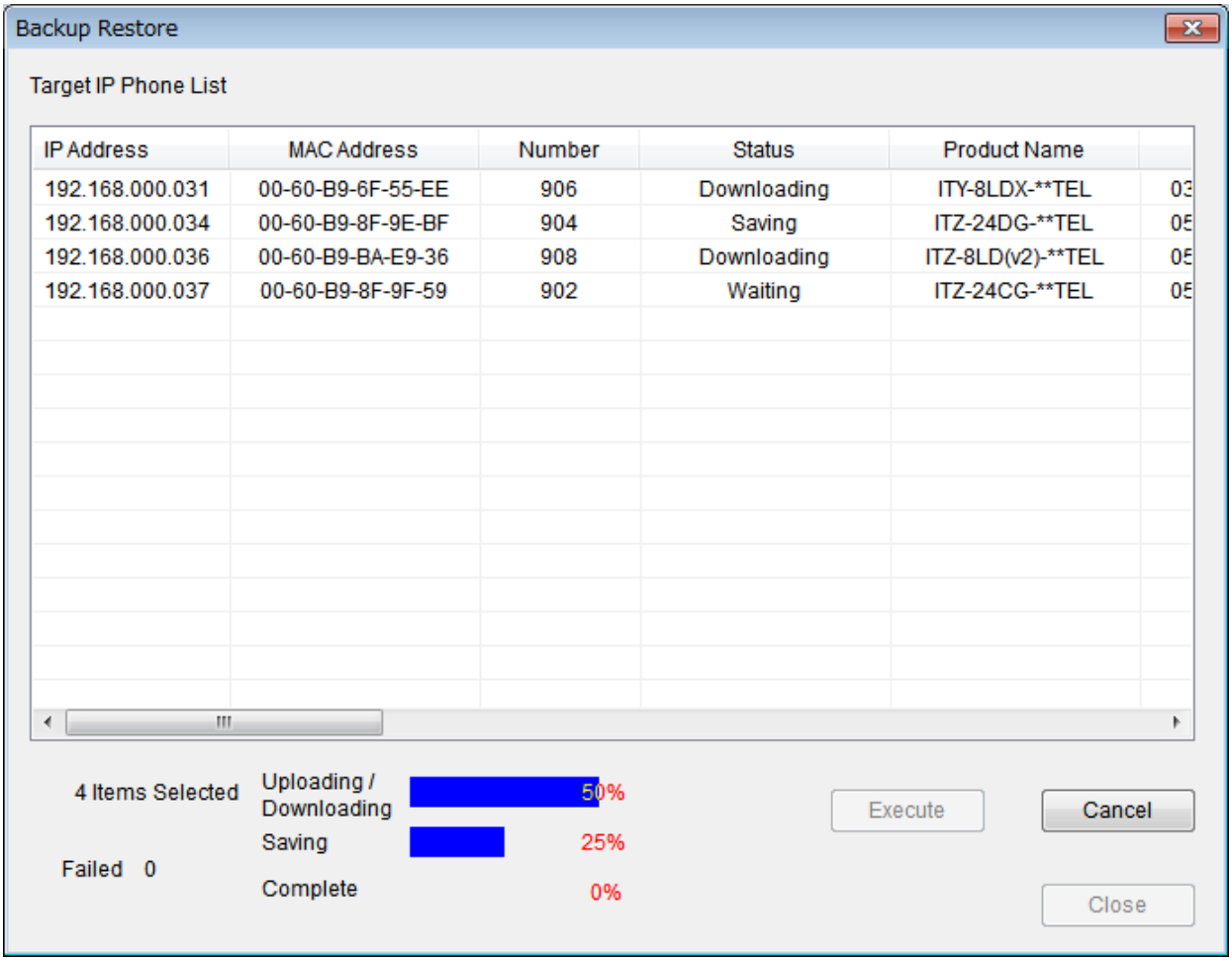
4.5.6.4. An example of encrypted restore(when IP is selected to File Name, and Encode/Decode is selected to ON)

Make sure that File Server is connected beforehand and that the file to be restored is specified in the path of File Server.



Step 1. Select the ip phone you want to restore and select the check box.
Step 2. Sets "Action" to "Restore", sets "File Name" to IP, sets "Simultaneous Download" to "2".
Step 3. Sets "Encode/Decode" to "ON".
Step 4. Click the "OK" button.

When the Backup Restore screen displays click the "Execute" button.



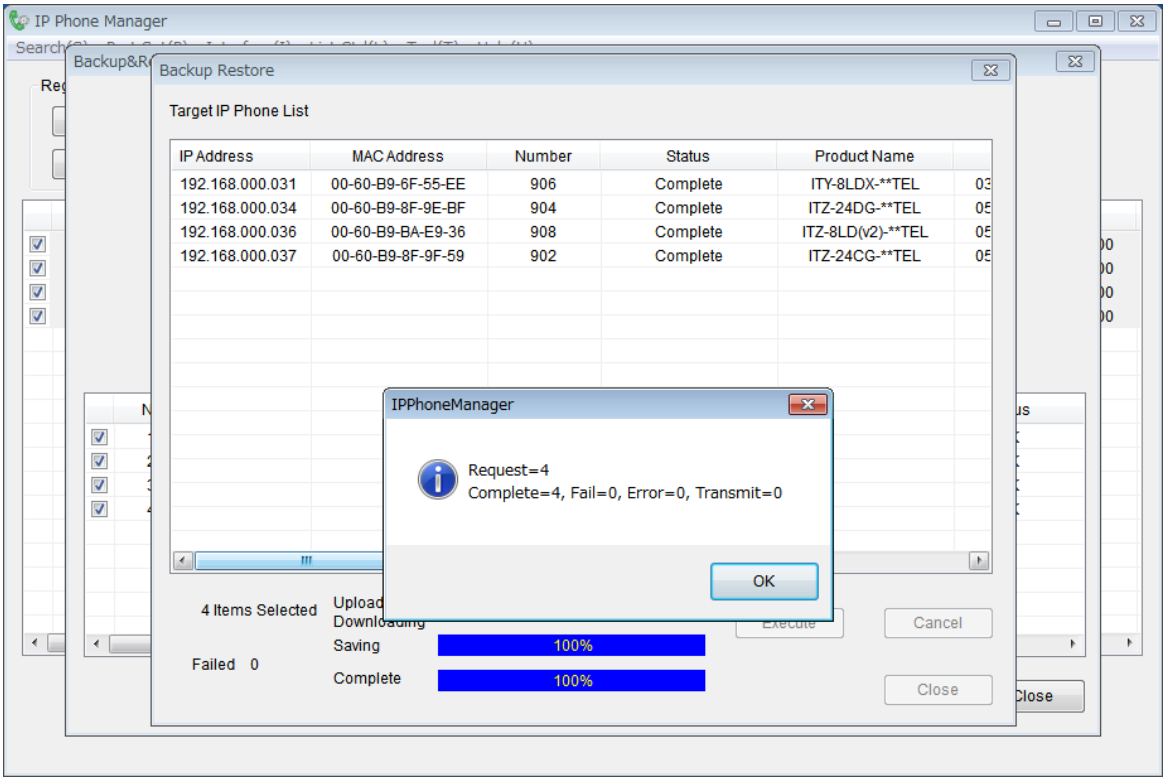
2 restores are started in the order of the youngest IP Address. For ip phones that have started restore, the status will be "Downloading" and the other ip phones will be "Waiting".

After a while Status will change from "Downloading" to "Saving", the status of the ip phone "Waiting" will be "Downloading".Since "Simultaneous Download" setting is "2", two phones are always "Downloading".

When the restore is completed, Status becomes "Complete", and the ip phone automatically resets after 5 seconds.

" Uploading/Downloadig", "Saving", "Complete" at the bottom of the screen displays the current progress status as a percentage.

When the restore is completed, the result is displayed.



When return to the main screen after displaying the restore result, the status of the ip phone that restored is displayed as "Search Error".

This is because the hard reset is applied after the completion of the restored ip phone, and the connection with the IP Phone Manager is disconnected. If you want to remote control instruct again, execute "Connect" and "Login" before running remote control.

<<Notes on restoring>>

If "Status" shows "Error", there is a possibility that communication with the target ip phone is not possible.

Please execute “Connect” and “Login” again.

If "Status" shows "Failed", there are two main reasons that can be considered.

1) The File Server setting may be incorrect, or the FTP / TFTP Sever may be down.

2) The restore file may be corrupted or it may be a file backed up from a ip phone of different H/W ver.

Files backed up from ip phones of different H/W ver can not be used for restoration.

If "Decode Error" is displayed in Status, the encrypted password of the file used for the restore does not match the administrator password of the terminal. Check your password.

Even if the File Server setting is normal and the restore file is correct, "Download N/A" may be displayed.

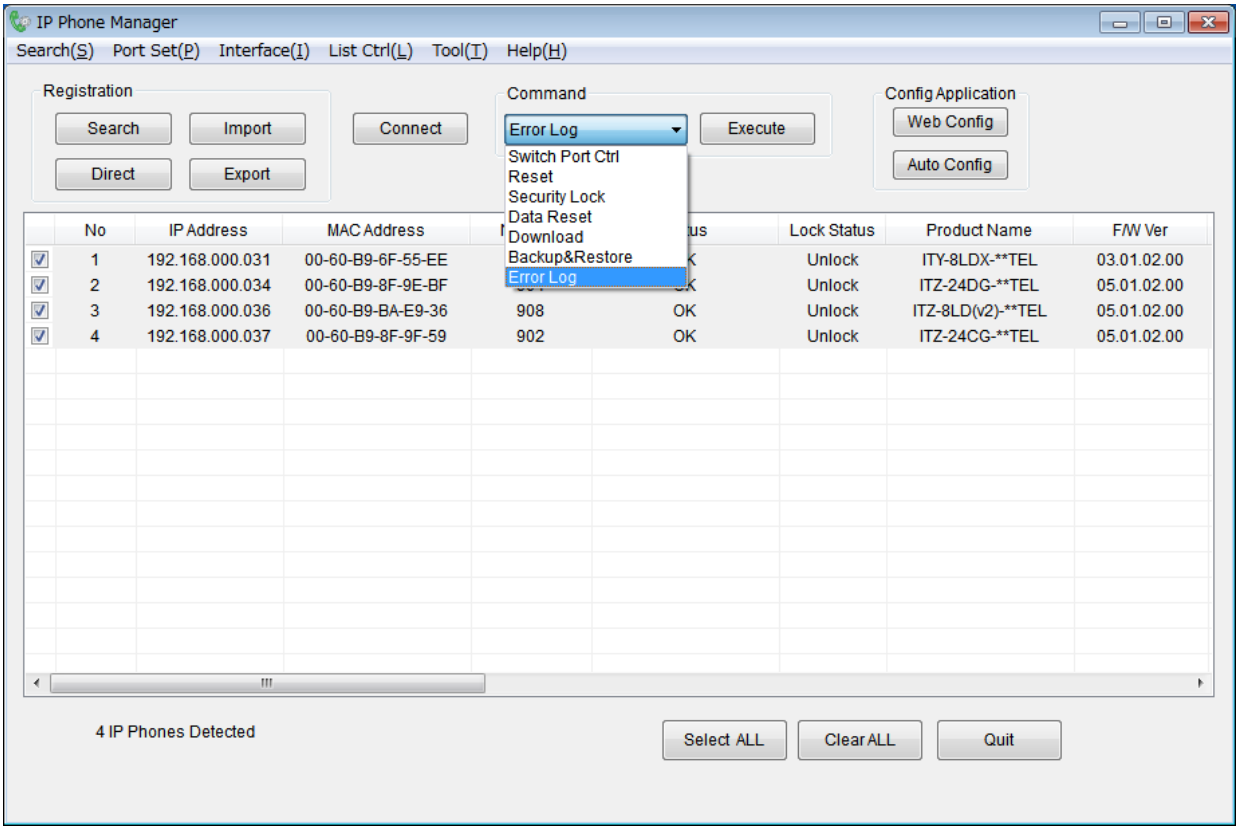
As this may be because the target ip phone is in a call, execute the restore instruction again after a while.

If click the "Cancel" button during the restore instruction execution, the ip phone whose Status is "Waiting" will be "Cancel" and no download instruction will be sent to the ip phone.

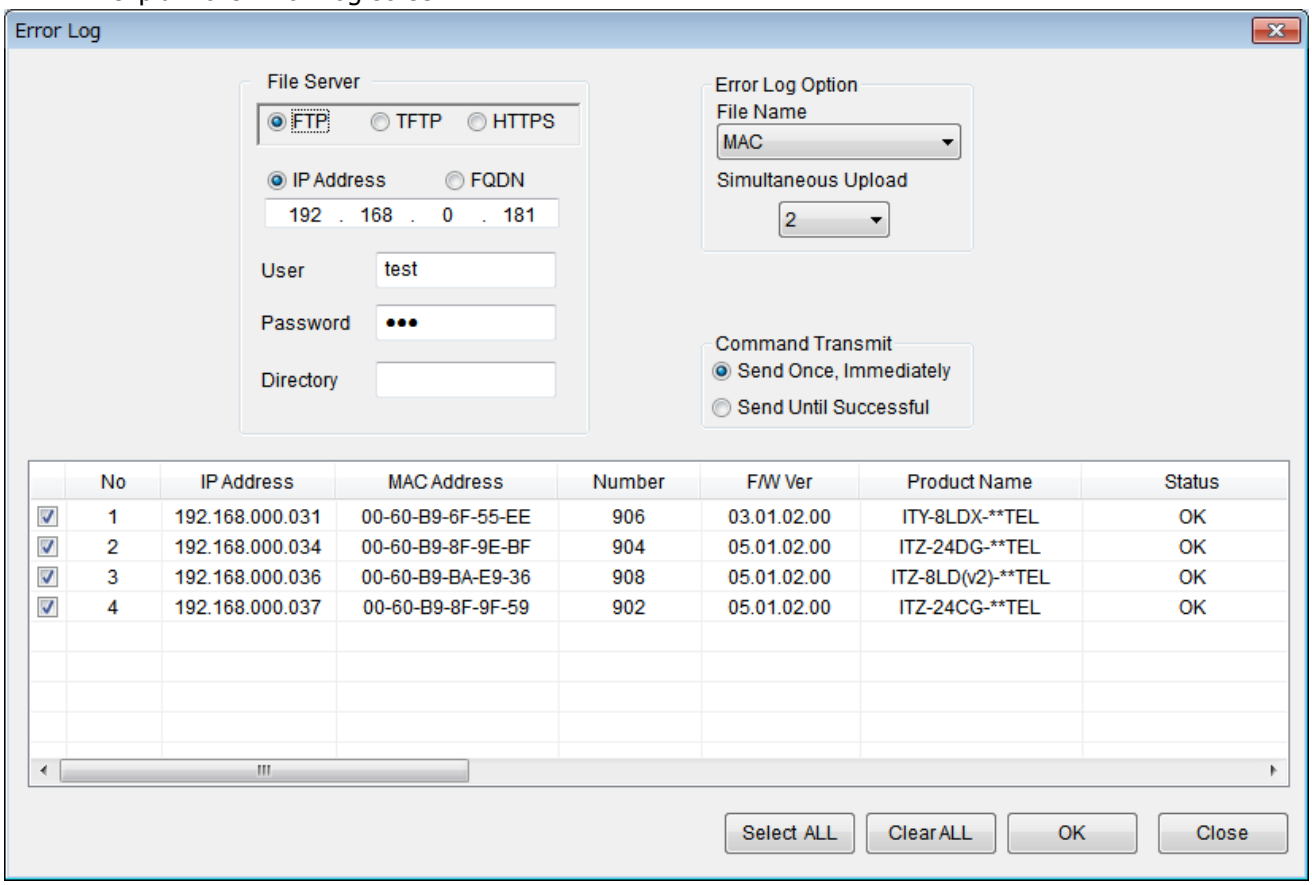
But, Status phones with "Downloading" and "Saving" can not cancel the download instruction.

4.5.7. Error Log

Collect failure information of the ip phone.
To collect failure information, select Error_ Log in the Command frame and click "Execute".



Will explain the Error Log screen.



- File Server

  Configure File Server.

  FTP/TFTP/HTTPS : Choose the transfer protocol from FTP/TFTP/HTTPS.

  IP Address/FQDN : Choose the File Server's address type from IP Address/FQDN.

  IP Address : Enter the Server's IP address.

  FQDN : Enter the Server's FQDN address. The maximum number of characters is 127.

  User : Enter the user name of the account you set for File Server.
  The maximum number of characters is 64. Not used for TFTP.

  Password : Enter the password for the account you set for File Server.
  The maximum number of characters is 64. Not used for TFTP.

  Directory : Enter the relative directry path corresponding to the default directory set for File Server.
  The maximum number of characters is 64.

  Example: If the default directory set for File Server is "C:/Inetpub/ftproot" and you want to place the file in "C:/Inetpub/ftproot/data", enter "/data" in the directory field . ("/" is may or may not input in this case.)

  【Notes】

  *In order to specify HTTPS or FQDN, the notification destination of the command must be the following terminal

  DT830 terminal (A terminal F/W ver 5.1.0.0 or later)
  DT820 terminal (A terminal F/W ver 3.1.0.0 or later)

  It is impossible to command to an terminals of other than above.

➢ Error Log Option

• File Name : Selects the name of the file to be uploaded to the server from the following.

MAC : The MAC address of the ip phone

IP Address : The IP address of the ip phone

Phone Number : The Phone Number of the ip phone

• Simultaneous Upload :

At the same time, set the number of ip phones to instruct uploading. The range that can be set is from "1" to "8".

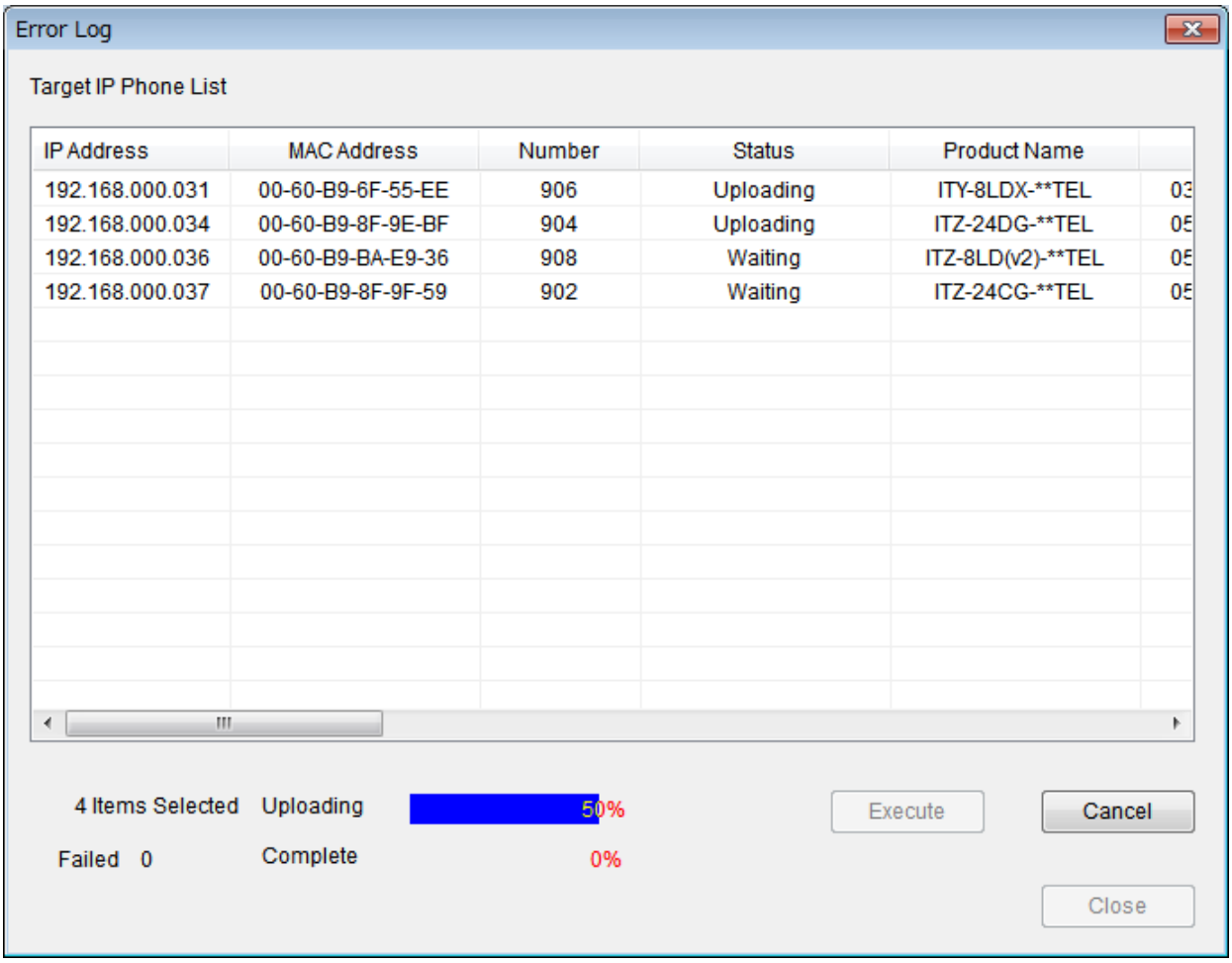
➢ Command Transmit

Select the "Reservation(Send Until Successful)" or the "No reservation(Send Once, Immediately)". Refer to "4.5.8.Reservation function" for a detailed explanation.

4.5.7.1. An example of Error Log upload (when MAC is selected to File Name)

Make sure that the File Server is connected to the PC beforehand.

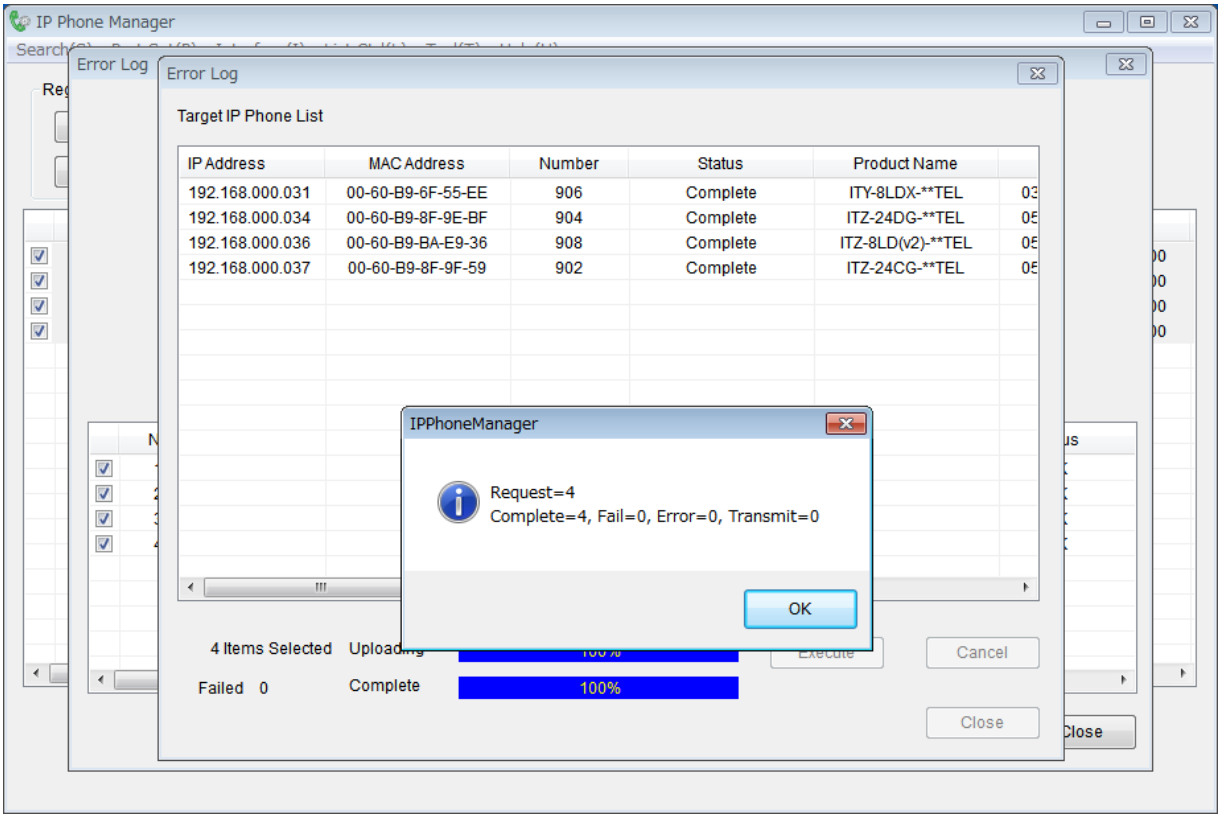
Select the ip phone you want to upload of ErrorLog and select the check box.
Sets "Simultaneous Download" to "2", and Click the "OK" button.
When the Error Log screen is displayed, click the "Execute" button.



2 uploads are started in the order of the youngest IP Address. For ip phones that have started uploads, the status will be "Uploading" and the other ip phones will be "Waiting".

After a while Status will change from "Uploading" to "Complete", the status of the ip phone "Waiting" will be "Uploading".Since "Simultaneous Download" setting is "2", two phones are always "Uploading". "Uploading", "Complete" at the bottom of the screen displays the current progress status as a percentage.

When all error log uploads are completed, the result is displayed.



<<Notes on uploading error log>>

If "Status" shows "Error", there is a possibility that communication with the target ip phone is not possible.

Please execute “Connect” and “Login” again.

If "Status" shows "Failed", The File Server setting may be incorrect, or the FTP / TFTP Sever may be down. Perform the Error Log upload instruction after setting the correct File Server.

Even if the File Server setting is perform, "Upload N/A" may be displayed.

As this may be because the target ip phone is in a call, execute the ErrorLog upload instruction again after a while.

If click the "Cancel" button during ErrorLog upload instruction execution, the ip phone whose Status is "Waiting" will be "Cancel" and no ErrorLog upload instruction will be sent to the ip phone.

But, Status phones with "Uploading" and "Saving" can not cancel the ErrorLog upload instruction

4.5.8. Reservation function（Command Transmit）

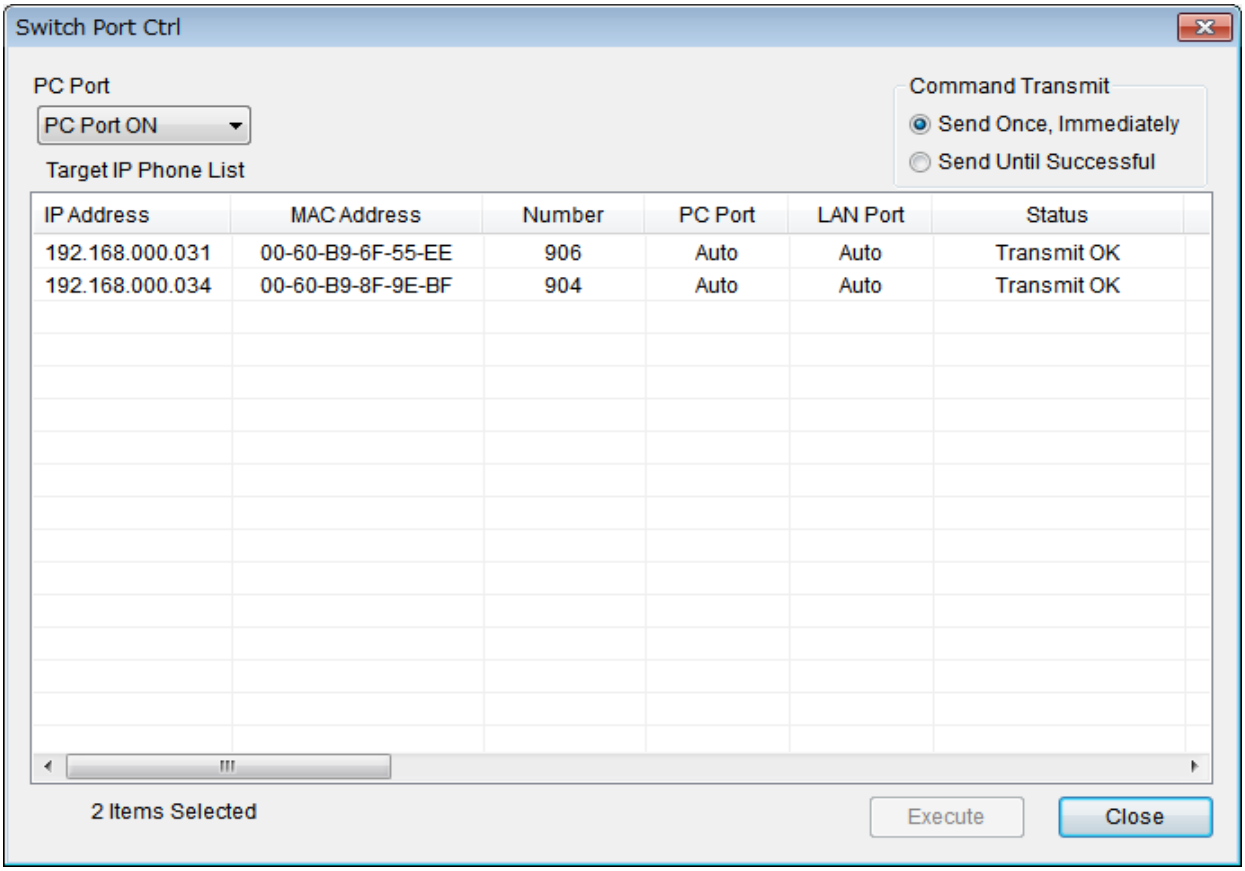
The reservation function(Command Transmit) can be selected by the Command Transmit frame of each Command.

By selecting the "Send Until Successful" in the Command Transmit frame, you can reserve the Command processing until the end of a call if the ip phone is calling at the time Command is executed.

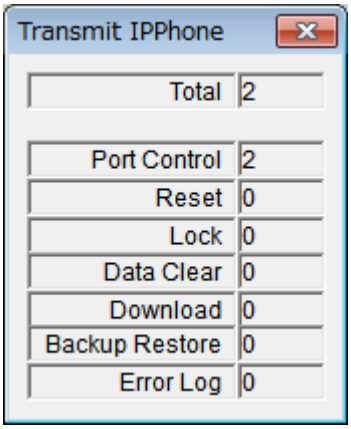
Status is displayed as "Transmit OK" during reservation.

Execute Command processing as soon as the call of the reserved ip phone finishes.

If select the "Send Until Successful" and execute the command, but the ip phone status not at a call, immediately execute Command processing.

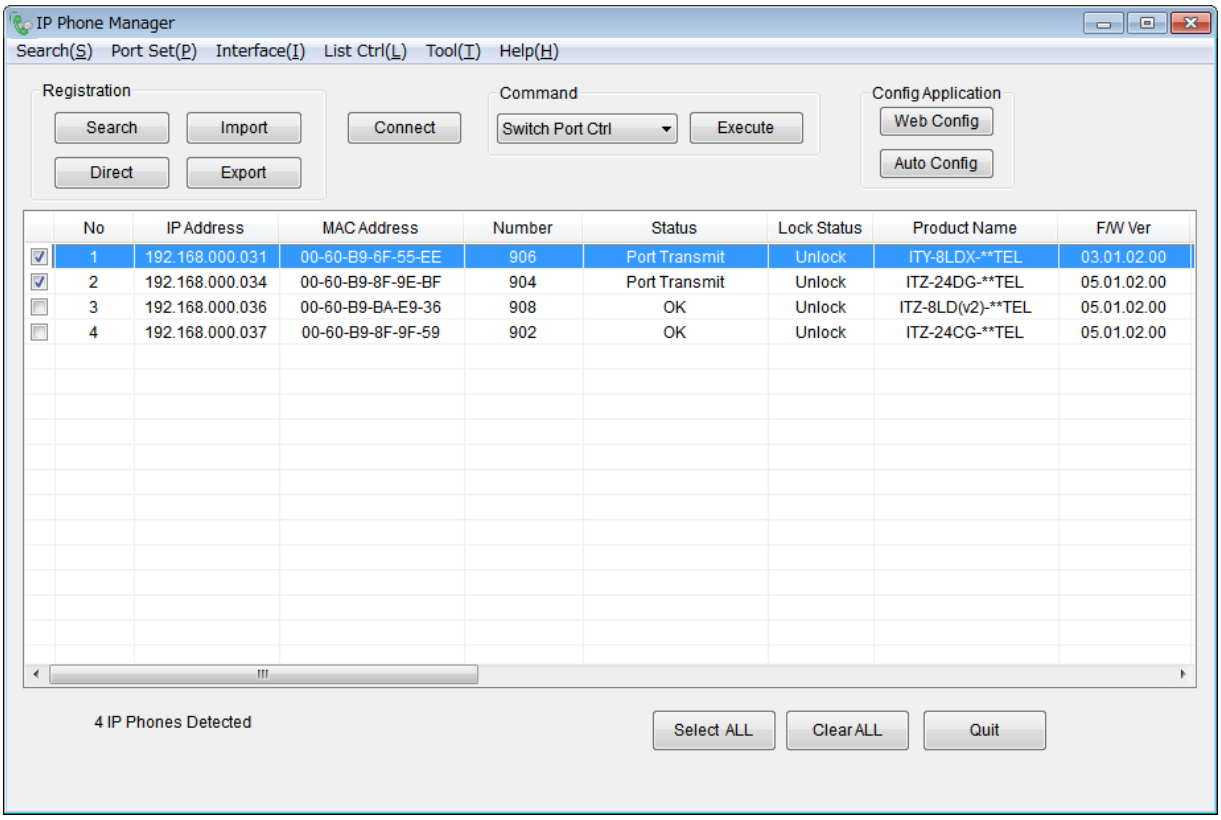


If making a reservation, the Transmit IP Phone screen is displayed, and the reserved count of each Command is displayed.



It is also possible to return to the main screen while reserving from each Command screen.

Even in that case, the reservation is continued, and the reservation information is displayed in the Status of the main screen. Refer to "5.2.Status list" for the display contents of Status.



<<Notes on reservations>>

Reservations can only be reserved for one phone per phone. If Connect or Command are executed on the ip phone being reserved on the main screen, the current reservation command is canceled.

4.6. Config Application

4.6.1. Web Programming

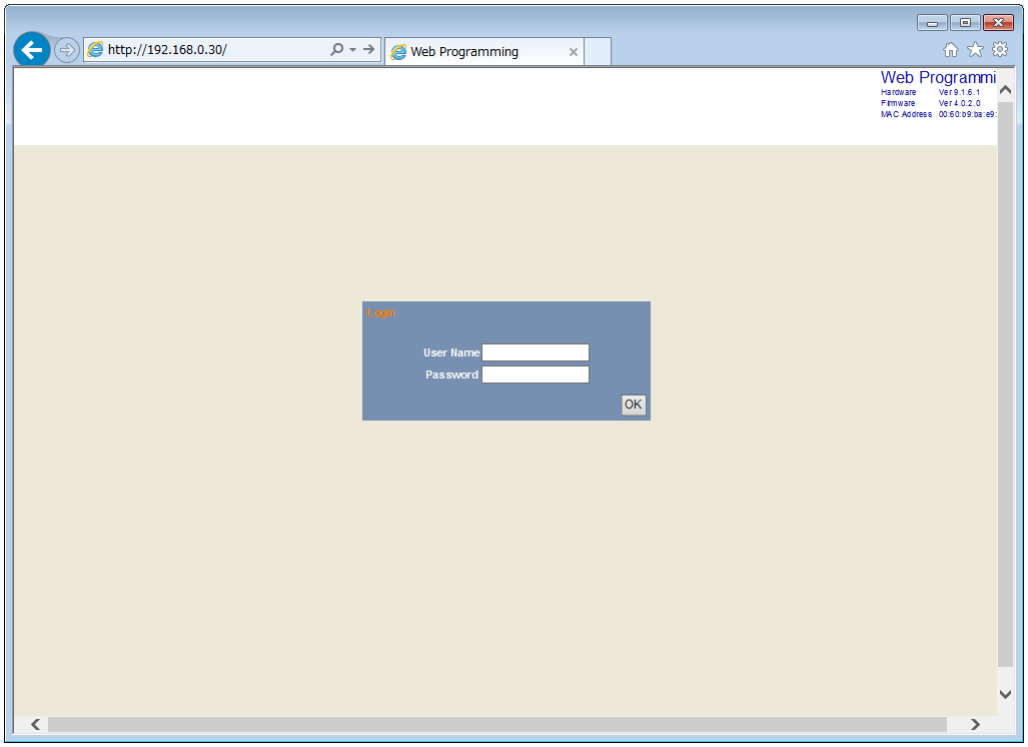
The IP Phone Manager can connect to the ip phone and display the Web Programming screen.

* IPterm85K terminals can not use this function.
* Although Web Programming of DT830/DT830G series (F/W Ver 3.0.0.0 or later) supports to HTTPS, this function connects with HTTP.

Select the IP phone you want to connect to the Web Programmingfrom the list on the main screen.

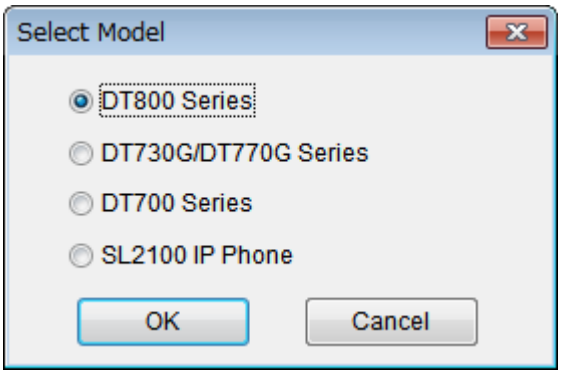
Then, when you press "Web Config", Internet Explorer starts up and it is connected to the Authentication screen of the Web Programming.

By entering User Name and Password on this screen, you can log in to the the Web Programming and change the setting.



4.6.2. Auto Config

Launch the application that creates ConfigData to be used for AutoConfig functions and FullConfig functions.
On the Select Model screen, select the "DT830 Series" radio button, and click "OK" to launch "Config Setup APL 3" which can create ConfigData for DT820/DT830/DT830DG/DT830CG terminals.
On the Select Model screen, select the "DT730G/DT770G Series" radio button, and click "OK" to launch "Config Setup APL 2" which can create ConfigData for DT730DG/DT730CG/DT770G terminals.
On the Select Model screen, select the "DT700 Series" radio button, and click "OK" to launch "Config Setup APL" which can create ConfigData for DT710/DT730/DT750 terminals.
On the Select Model screen, select the "SL2100 IP Phone" radio button, and click "OK" to launch "Config Setup APL 4" which can create ConfigData for SL2100 IP Phone terminals.
For usage of "Config Setup APL", "Config Setup APL 2", "Config Setup APL 3" and "Config Setup APL 4", refer to "Config Setup APL Manual" for how to use.



5. Various list

5.1. Message list

Below is a list of Messages displayed during the IP Phone Manager.

Messages
Please input ip address
Please log in IPPhone.
Your LAN seems to be down, please check your cable is inserted correctly.
Can't identify this IPPhone. Please check the IP address is correct or check this IPPhone is connected to the LAN.
This will take a few minutes. Do you still wish to continue?
Request = aa Success = bb Fail = cc Error = dd Transmit = ee
You should select at least one IPPhone.
You should select at least one available IPPhone.
Please input model
Please input hardware version
Please input hardware version as 99.99
Please input hardware version as 9999 or 99999999
Windows sockets initialization failed.
The listening port can't be secured. Please check ifyou restarted the IPPhone Manager or your network configuration.
Search completed
You should select at least one IPPhone.
Over write?
There is no data.
Can't execute the Config tool. Please check the ConfigTool item in your Config.ini file.
Can't execute DTArchiver tool, please check the existence of the DTArchiver tool.
The NIC is changed. The system should be reset.
Are you sure to wish to quit?
Please input model name
Please input file name
The hardware version already exist
Changing the download configuration will affect the download process. Are you sure to wish to continue?
Are you sure to wish to reset the selected IP terminals?
The 'IP Phone Manager Port' is changed. Thisapplication should be restarted.
Please input integers from 1024 to 65535
The IP terminals with Transmit status are selected together. Are you sure you wish to delete Transmit status of the IP terminals?

5.2. Status list

Will explain the meaning and contents of each Status.

Screen	Status	Meaning/Contents
Main/Connect screen	OK	logged into the ip phone.
	LogOFF	logged out of the ip phone.
	Login N/A	The ip phone was login to another IP Phone Manager. * In this case you can not connect.
	Disconnect	Transmission error
	Search Error	The ip phone search failure
	Regist Error	The ip phone regist failure
	HCheck Error	Health check failure *1
	Searching…	Searching for an ip phone.(The IPterm85K only)
	Port Transmit	The Switch Port Ctrl transmission has been reserved. *2
	Reset Transmit	The Reset transmission has been reserved. *2
	Lock Transmit	The Security Lock transmission has been reserved. *2
	Clear Transmit	The Data Reset transmission has been reserved. *2
	Download Transmit	The Download transmission has been reserved. *2
	Backup Transmit	The Bakcup transmission has been reserved. *2
	Resotre Transmit	The Restore transmission has been reserved. *2
	Errorlog Transmit	The Error Log transmission has been reserved. *2
	Port Complete	Completed the Switch Port Ctrl transmission. *2
	Soft Reset Complete	Completed the Soft Reset transmission. *2
	Hard Reset Complete	Completed the Hard Reset transmission. *2
	Lock Complete	Completed the Security Lock transmission. *2
	Clear Complete	Completed the Data Reset transmission. *2
	Download Complete	Completed the Download transmission. *2
	Backup Complete	Completed the Backup transmission. *2
	Resotre Complete	Completed the Restore transmission. *2
	Errorlog Complete	Completed the Error Log transmission. *2
SwitchPortCtrl screen	Complete	PC Port setting completed.
	Transmit OK	Reservation completed.
	PortCtl N/A	The ip phone status error.
	Error	Transmission error.
Reset screen	Soft Reset OK	Soft reset completed
	Hard Reset OK	Hard reset completed
	Transmit OK	Reservation completed.
	Reset N/A	The ip phone status error.
	Reset Error	Transmission error.
Security Lock screen	Complete	Security Lock completed.
	Transmit OK	Reservation completed.
	Lock N/A	The ip phone status error.
	Error	Transmission error.
Data Clear screen	DataClear OK	DataClear completed
	Transmit OK	Reservation completed.
	Clear N/A	The ip phone status error.
	Error	Transmission error.

screen	Status	Meaning/Contents
Download screen Backup&Restore screen	DownLoading	Downloading.
	Saving	Saving the downloaded file.
	Waiting	Waiting for download.
	Complete	Download completed.
	Transmit OK	Reservation completed.
	Failed	Download failed.
	Download N/A	The ip phone status error.
	Error	Transmission error.
	Decode Error	Decryption failure.
	Cert is full	The maximum number of certificates that can be downloaded has been reached.
	Cert is not right	Certificate authentication failure.
	Cipher Suite Not Match	The HTTPS server cipher suite error
	CA Not Authorized	The HTTPS server certificate authentication error
	CA Files Not Found	The route certificate error for HTTPS servers
	Canceled	Download canceled.
Backup&Restore screen Error Log screen	Uploading	Uploading.
	Waiting	Waiting for upload.
	Complete	Upload completed.
	Transmit OK	Reservation completed.
	Failed	Upload failed.
	Upload N/A	The ip phone status error.
	Error	Transmission error.
	Cipher Suite Not Match	The HTTPS server cipher suite error
	CA Not Authorized	The HTTPS server certificate authentication error
	CA Files Not Found	The route certificate error for HTTPS servers
	Canceled	Upload canceled.

*1 The IP Phone Manager checks the status of logged in phones once every thirty minutes.
A health check failure indicates that the remote control can not be received because the response has not been returned from the ip phone at the time of confirming the status. To remotely instruct again please Login from Connect.

*2 It is displayed only on the main screen. It is not displayed on the Connect screen.

6. Notes

The notes on using the IP Phone Manager are shown below.

The ip phone can not communicate with the IP Phone Manager when the "IP Address" can not be acquired from the DHCP server, if "IP Address" is not set manually, or if the "Port number" is not matched. Check the settings before searching.

If the ip phone is not connected to the PBX, may not be possible "Search" or "Connect" from the IP Phone Manafer because the status of the ip phone is unstable, so set "Search" of the IP Phone Manager to “2” or “3”.

If the ip phone is displaying the admin menu or downloading, commands from the IP Phone Manager will result in an error.

The IP Phone Manager does not support using NAT traversal or WAN environment.

The IP Phone Manager can manage up to 256 ip phones.

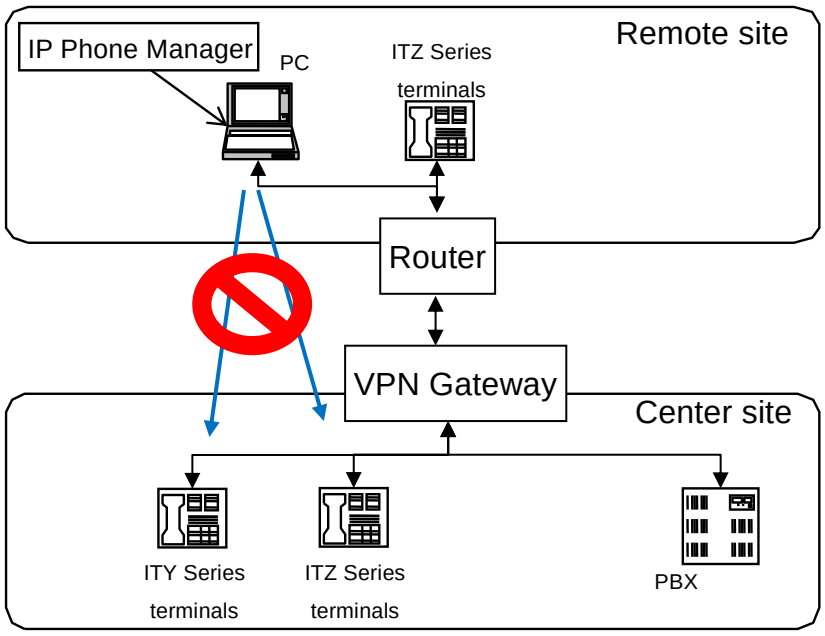
Up to 256 "Regist" of "Search method" in the same network is supported.

Depending on the network environment and the PC environment to be used, the number of an ip phones that can be supported may change.

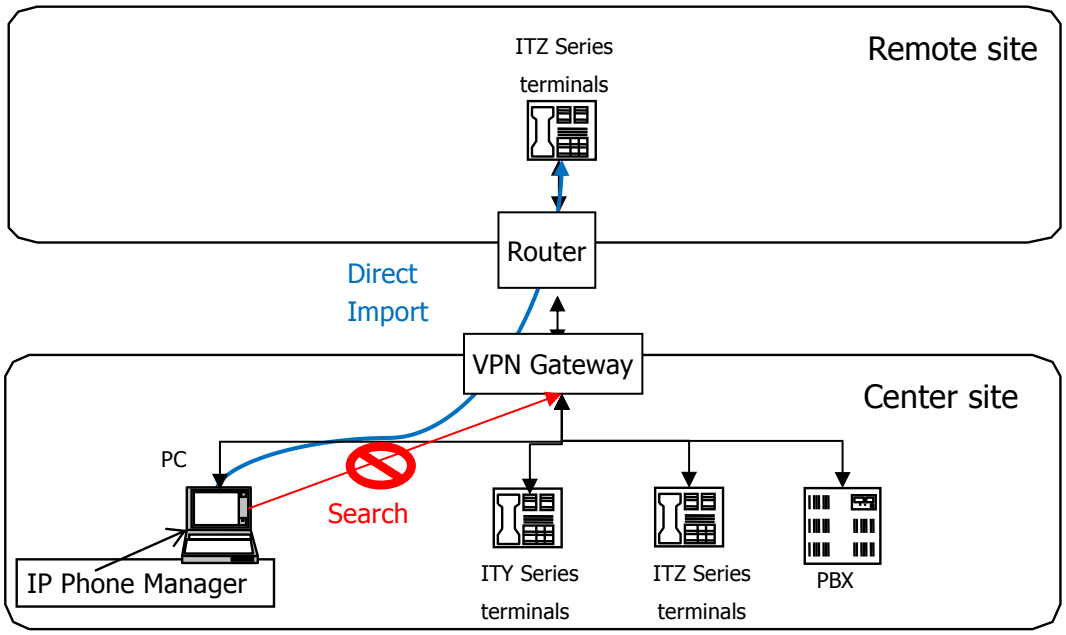
Multiple startup of the IP Phone Manager in the same local network is possible and it is possible to search for ip phones, but you can not "Login" from another the IP Phone Manager already on the "Login" ip phone.

If you are using a firewall software such as "Windows Firewall" on your PC, may need to set the port open.

If the IP Phone Manager is in the remote site environment of VPN, the IP Phone Manager can not perform any operation to the ip phone of the VPN center site.



- If the IP Phone Manager is in the center site environment of VPN,
  You can perform operations by directly searching "Direct" or "Import" on the ip phone at the remote site of VPN. but, can not search for VPN remote site phones by "Search".



7. Open Source Software License Agreement

The IP Phone Manager uses open source software.
Information on open source software used by the IP Phone Manager is as follows.

openssl

The IP Phone Manager uses open source software openssl under the following conditions presented by copyright holders.

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DT800 Series

IP Phone Manager User's Manual

NEC Corporation

GVT-022200-001 Rev 8.5.0
Novenber, 2017