

# **IP Phone Manager**

## **User's Manual**

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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

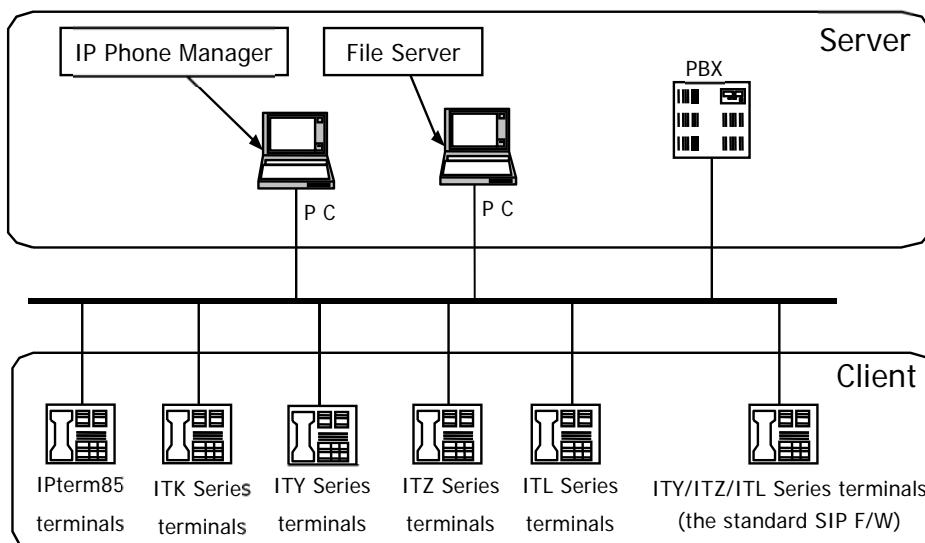
- Collect phone information

#### 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 ITK Series terminals" is a general term of DT900 series IP Phones.
- ※ "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 8.1 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.

4) If the enlargement ratio setting of Windows text display is set to a value greater than 100%, the layout of the application screen will collapse. In this case, please set the enlargement ratio to 100% by the following procedure.

\* Signing out is necessary to enable this setting.

For Windows 7, Windows 8.1:

1. Right-click from the desktop and open "Screen resolution" in the context menu.
2. Click "Make text and other items larger or smaller".
3. Set "Change the size of all items" to "100%".
4. Sign out or log off from the PC.

For Windows 10:

1. Right-click from the desktop and select "Display settings" in the context menu.
2. Set "Change the size of text, apps, and other items" to "100%".
3. Sign out from the PC.

\*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  |
|---------------|------------------------|---|
| DT920(6D/12D) | ITK-6D                 | IP Phone Manager Ver 8.7.0 or later<br>IP Phone F/W ver2.1.0.0 or later |
|               | ITK-6DG                |   |
|               | ITK-12D                |   |
|               | ITK-12DG               |   |
| DT920(8LCX)   | ITK-8LCX               | IP Phone Manager Ver 8.7.0 or later<br>IP Phone F/W ver2.1.0.0 or later |
|               | ITK-32LCG              |   |
|               | ITK-8LCG               |   |
| DT930CG       | ITK-12CG               | IP Phone Manager Ver 8.6.0 or later<br>IP Phone F/W ver1.0.0.0 or later |
|               | ITK-24CG               |   |
|               | ITK-32CG               |   |
| DT930G(8TCGX) | ITK-8TCGX              | IP Phone Manager Ver 8.7.0 or later<br>IP Phone F/W ver2.1.0.0 or later |
|               | ITK-32TCG              |   |
| DT820(6D)     | ITY-6D                 | IP Phone Manager Ver 8.0.0 or later<br>IP Phone F/W ver1.0.0.0 or later |
|               | ITY-6DG                |   |
| DT820(8LDX)   | ITY-8LDX               | IP Phone Manager Ver 8.0.0 or later<br>IP Phone F/W ver1.0.0.0 or later |
|               | ITY-8LDG               |   |
|               | ITY-16LD               |   |
|               | ITY-16LDG              |   |
|               | ITY-32LD               |   |
| DT820(8LCGX)  | ITY-8LCGX              | IP Phone Manager Ver 8.5.0 or later<br>IP Phone F/W ver3.2.0.0 or later |
|               | ITY-32LCGX             |   |
| DT830         | ITZ-12D                | IP Phone Manager Ver 7.0.0 or later<br>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<br>IP Phone F/W ver2.0.0.0 or later |
|               | ITZ-12D(Replacement)   |   |
|               | ITZ-24D(Replacement)   | IP Phone Manager Ver 7.2.0 or later<br>IP Phone F/W ver3.0.0.0 or later |
|               | 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<br>IP Phone F/W ver3.0.0.0 or later |
|               | ITZ-24CG               |   |
|               | ITZ-12DG(foreign)      | IP Phone Manager Ver 7.2.0 or later<br>IP Phone F/W ver3.0.0.0 or later |
|               | ITZ-24DG               |   |
| DT750         | ITL-320C               | IP Phone Manager Ver 1.0.0 or later<br>IP Phone F/W ver1.0.0.0 or later |
| DT730         | ITL-12D                |   |
|               | ITL-24D                |   |
|               | ITL-32D                |   |
|               | ITL-12PA               |   |
|               | ITL-12PD               |   |
|               | ITL-32DLK              |   |
| DT710         | ITL-8LD                |   |
|               | ITL-2E                 |   |
| DT710(8LDE)   | ITL-6DE                |   |
|               | ITL-8LDE               |   |

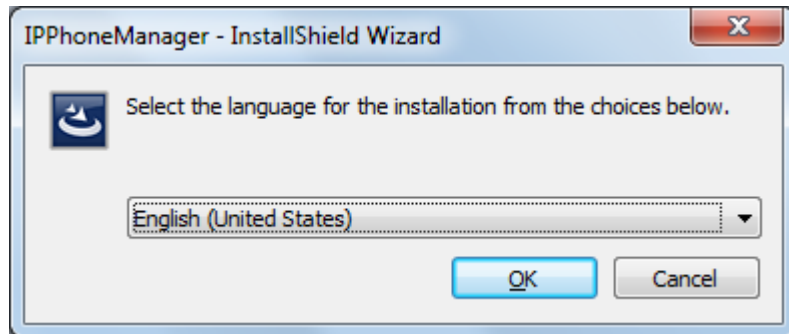
| The model       |             | The version which supports  |
|-----------------|-------------|---|
| DT730G          | ITL-12CG    | IP Phone Manager Ver 6.0.0 or later<br>IP Phone F/W ver1.0.0.0 or later |
|                 | ITL-24CG    |   |
|                 | ITL-12DG    |   |
|                 | ITL-24DG    |   |
| DT770G          | ITL-2CR     | IP Phone Manager Ver 6.1.0 or later<br>IP Phone F/W ver1.1.0.0 or later |
| SL2100 IP Phone | IP7WW-8IPLD | IP Phone Manager Ver 8.3.0 or later<br>IP Phone F/W ver1.0.0.0 or later |
|                 | IP7U-8IPLD  |   |
| IPterm85K       | ITR-32K-1D  | IP Phone Manager Ver1.0.0 or later<br>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".

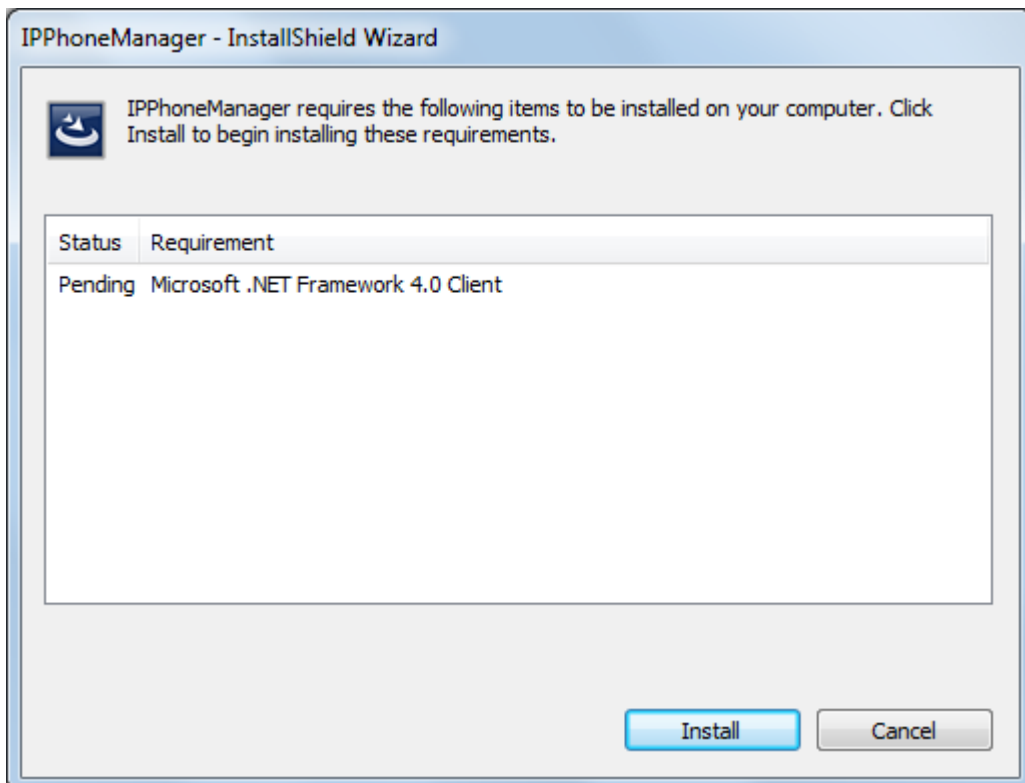


\*The OS which is being used.

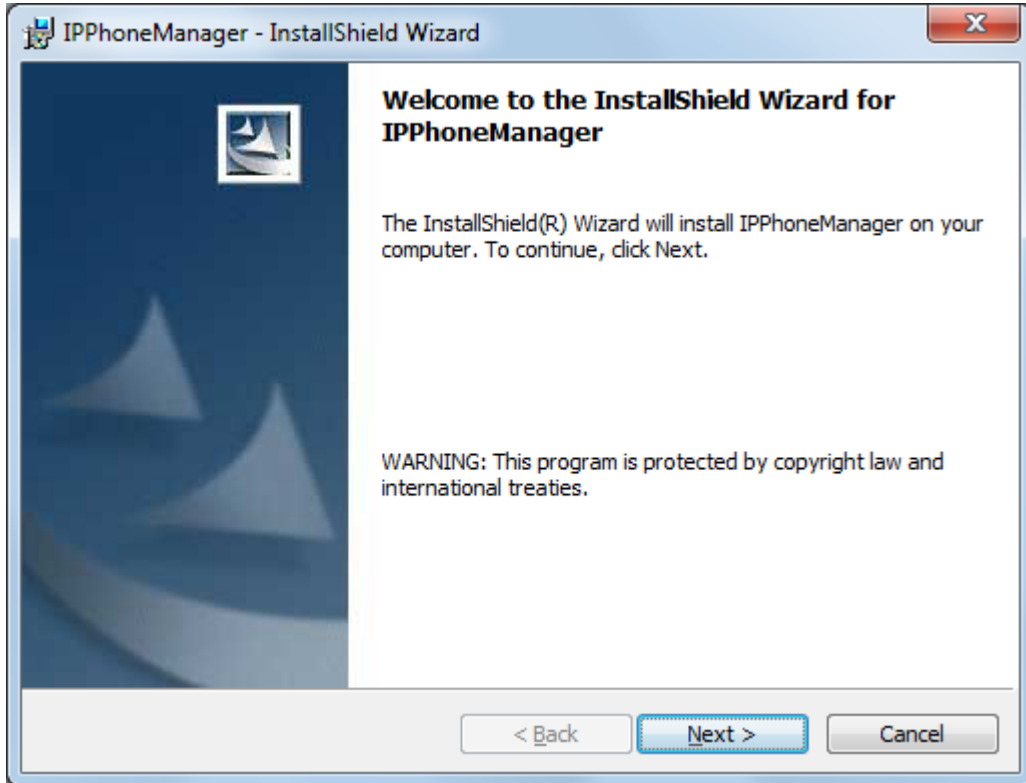
case of Windows7 : next step is "step.3".

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".

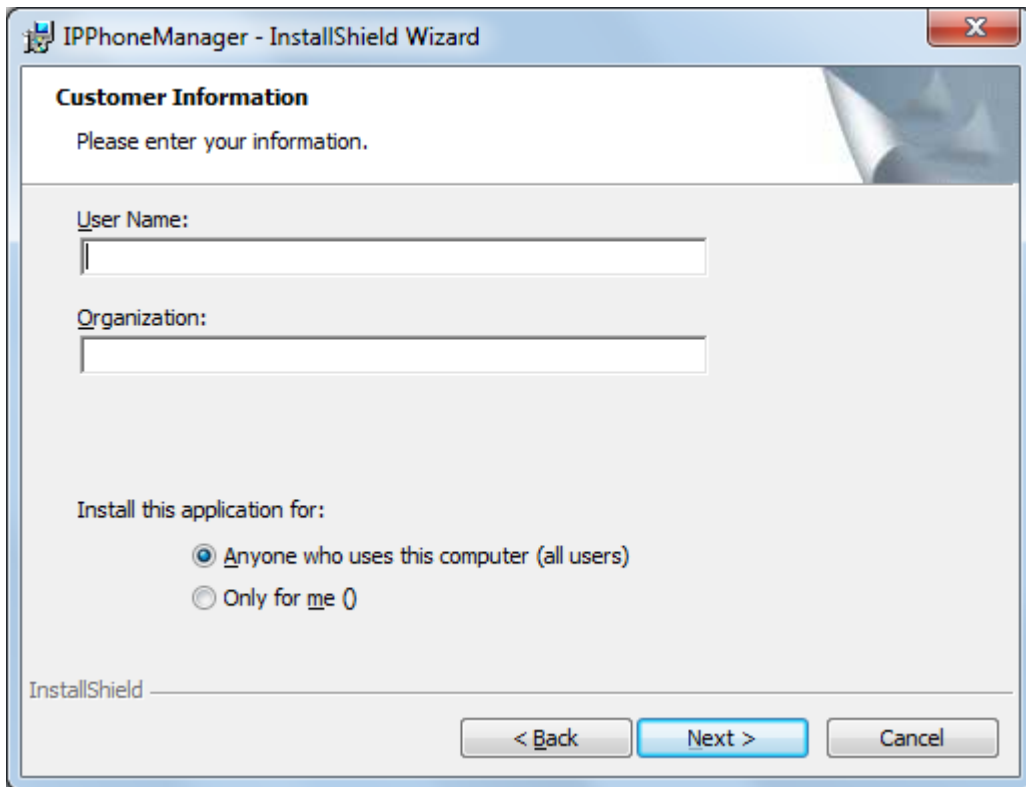


Step 5. When the following screen is displayed, please read carefully the contents of the license agreement, check "I agree with the terms of the license agreement" and click "Next".



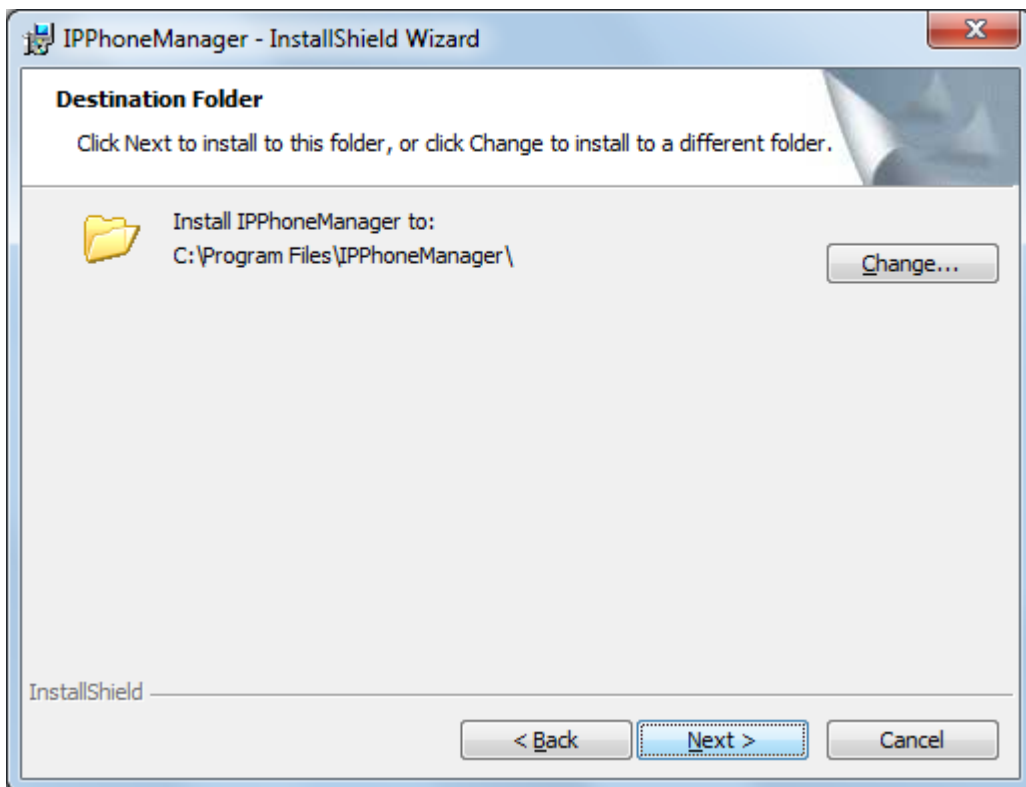


Step 6. When the following screen is displayed, enter your user name and affiliation and click "Next".

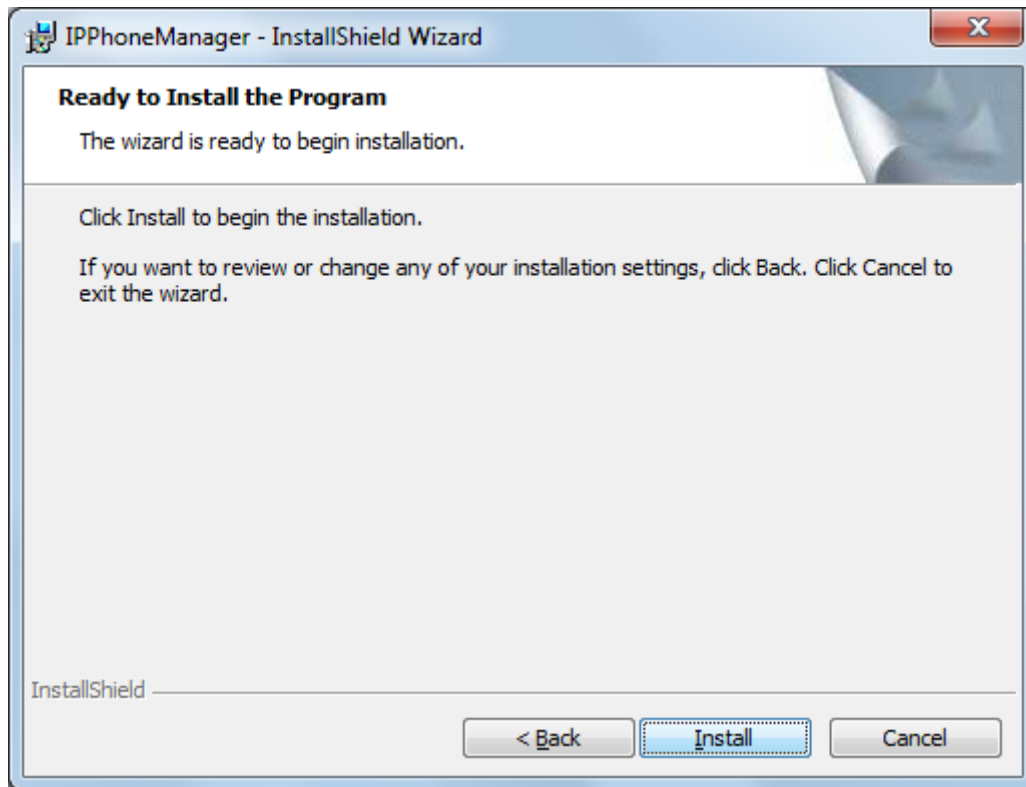


Step 7. When the following screen is displayed, click "Next".

\* 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.

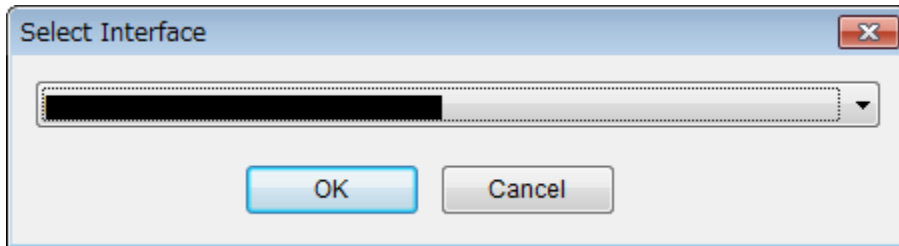
### 3.2. Starting and closing the IP Phone Manager

#### 3.2.1. Starting the IP Phone Manager

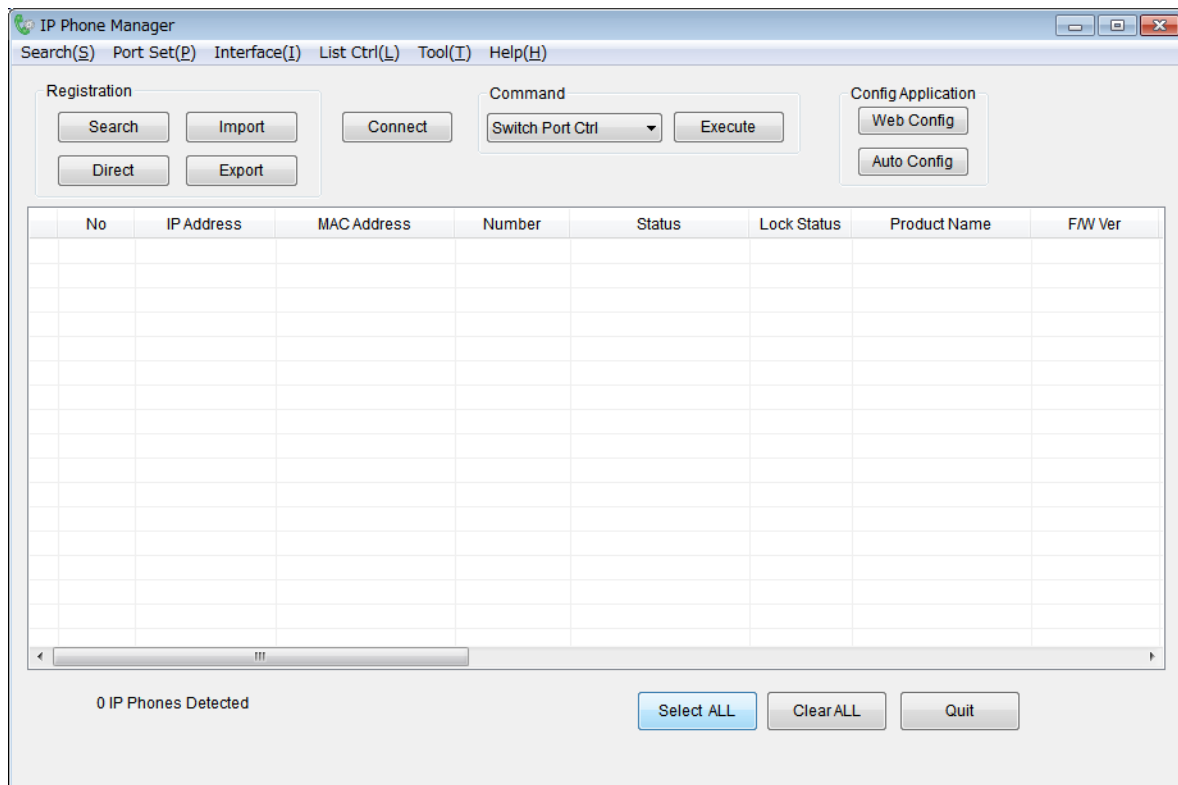
1. Execute "IP Phone Manager" shortcut on the desktop.
2. When the following screen appears, select the network interface card to use and select "OK".

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. 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, 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 "x" button in the upper right corner of the application.



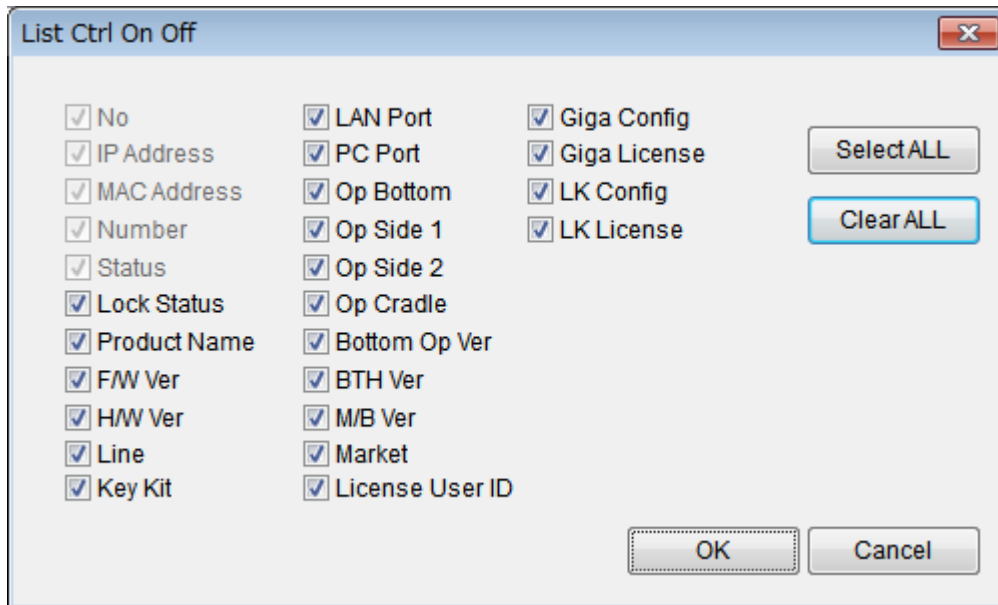
➤ List Ctrl

Select

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

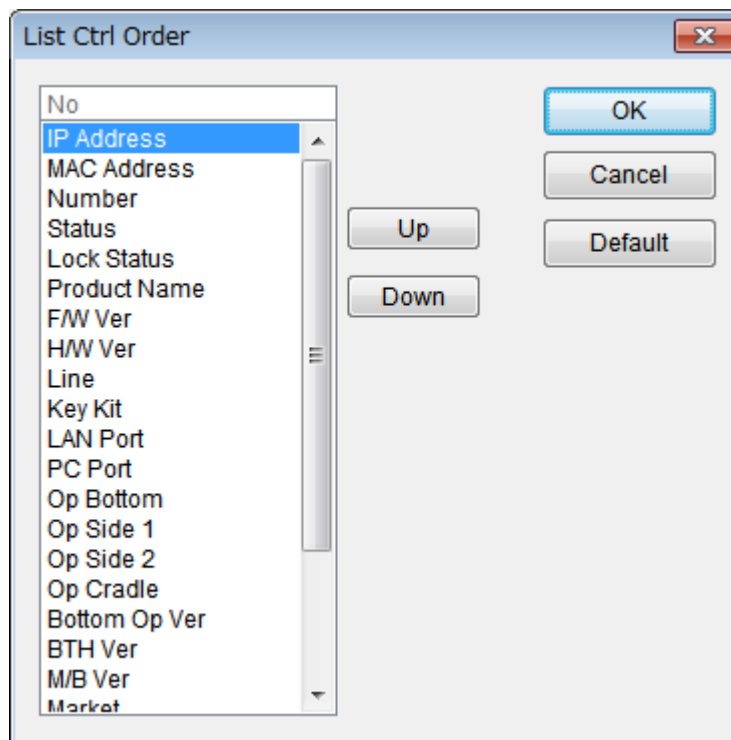
All initial values are On.

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)

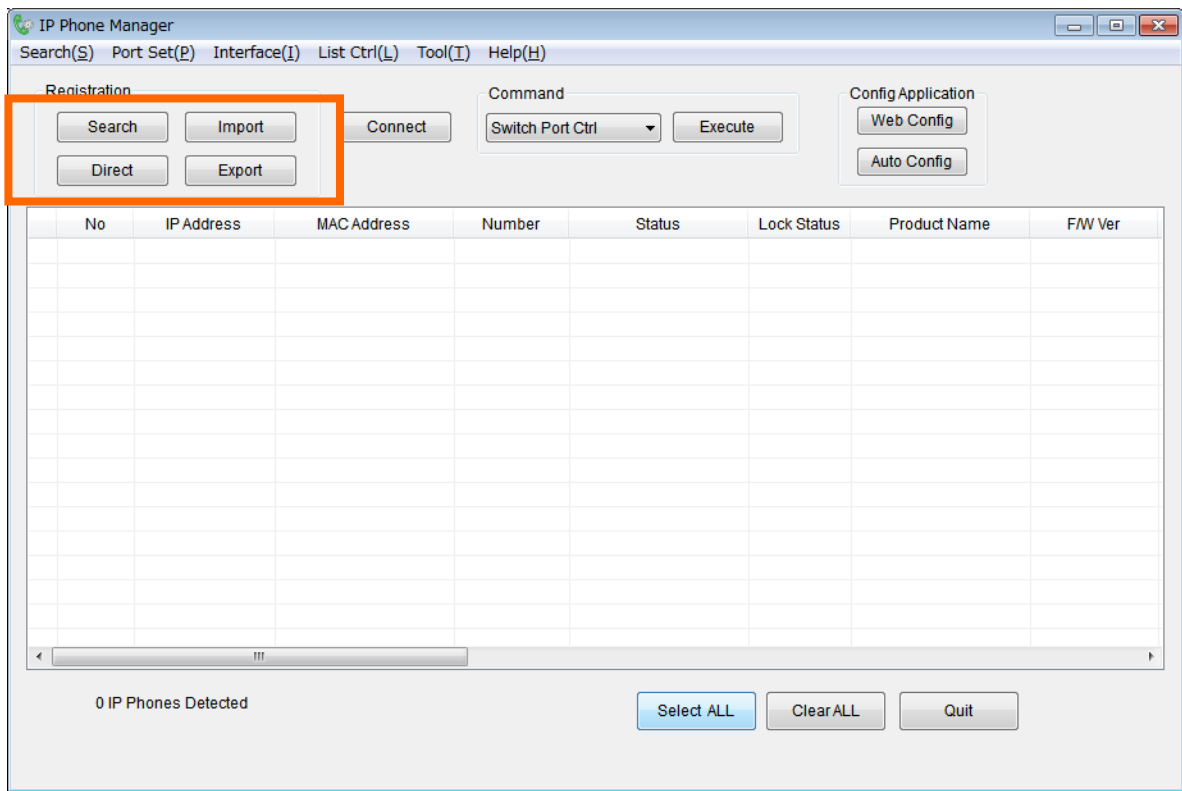
Detects the ip phone connected on the network and acquires phone information.

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.<br>(ITY terminals, ITZ terminals and ITL terminals only)  | -  |
| Number        | Displays the phone number of the ip phone.<br>(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.<br>(ITY terminals, ITZ terminals and ITL terminals only)   | Lock<br>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.<br>(ITY terminals, ITZ terminals and ITL terminals only)<br>If 8LK is attached to a ip phone. : 8Line<br>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.<br>(ITY terminals, ITZ terminals and ITL terminals only)  | -  |
| LAN Port      | Displays the LAN Port speed&duplex of the ip phone.<br>(ITY terminals, ITZ terminals and ITL terminals only)  | Auto<br>100MFull<br>100MHalf<br>10MFull<br>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<br>100MFull<br>100MHalf<br>10MFull<br>10MHalf<br>SHUT   |
| Op Bottom     | Displays optional information attached to the back of the ip phone.   | ADA<br>BCA-L<br>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<br>16LK<br>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<br>PSA/PSD  |
| Bottom Op Ver | Displays the version of BCA-L option or BCA-Z option.<br>(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.<br>(ITY terminals, ITZ terminals and ITL terminals only)   | Example) 1   |
| Market        | Displays the market of the ip phone.<br>(ITY terminals, ITZ terminals and ITL terminals only)   | Japan<br>Foreign   |

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

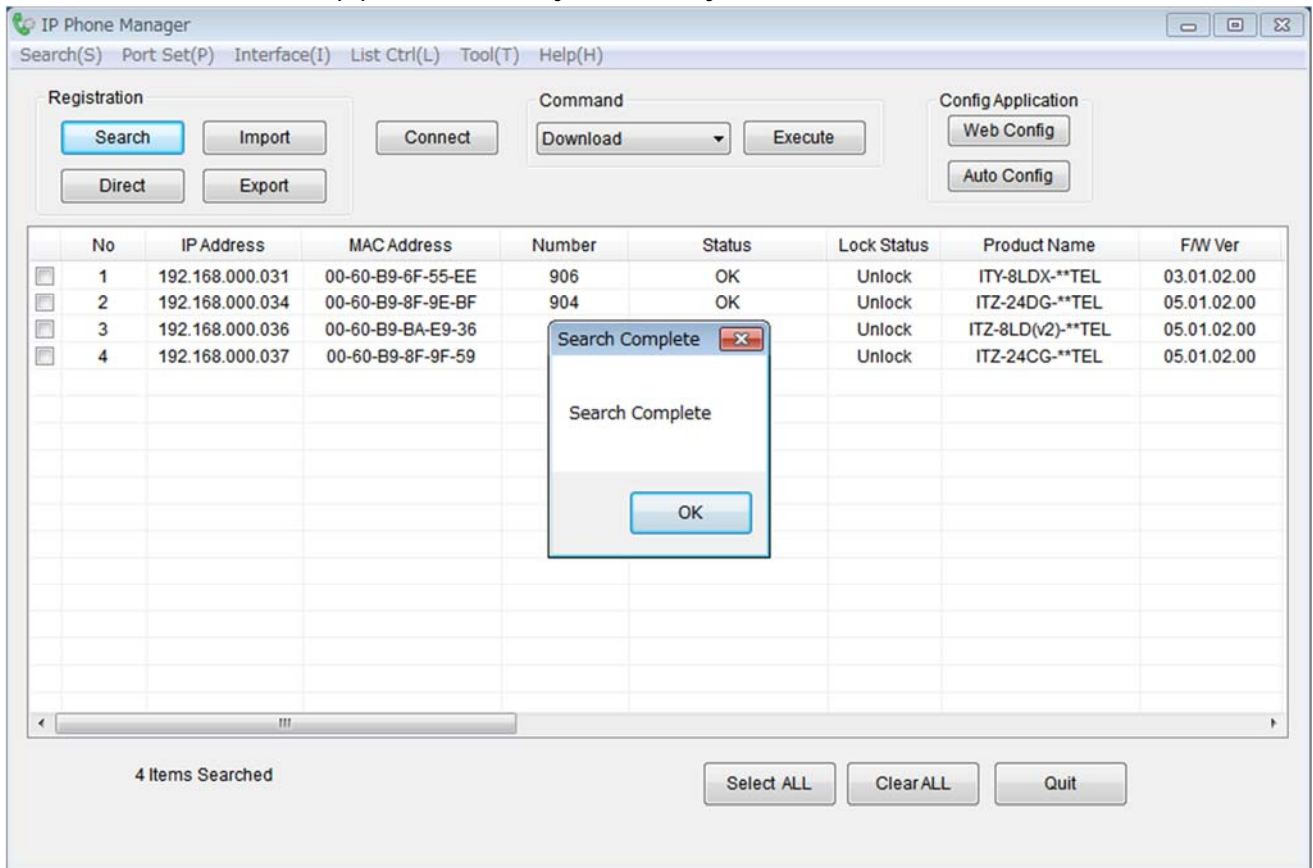
If the setting is "1", perform a search for 15 seconds.

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.

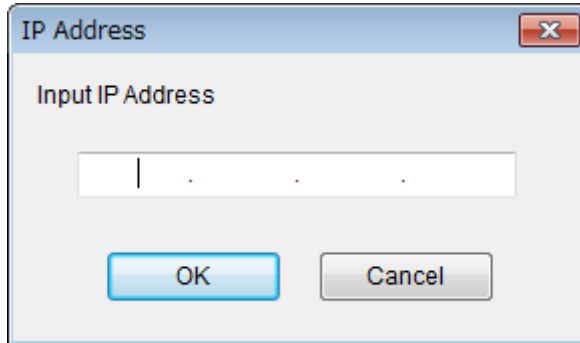




### 4.3.2. Direct

If the IP address of the ip phone is known in advance, can search directly.

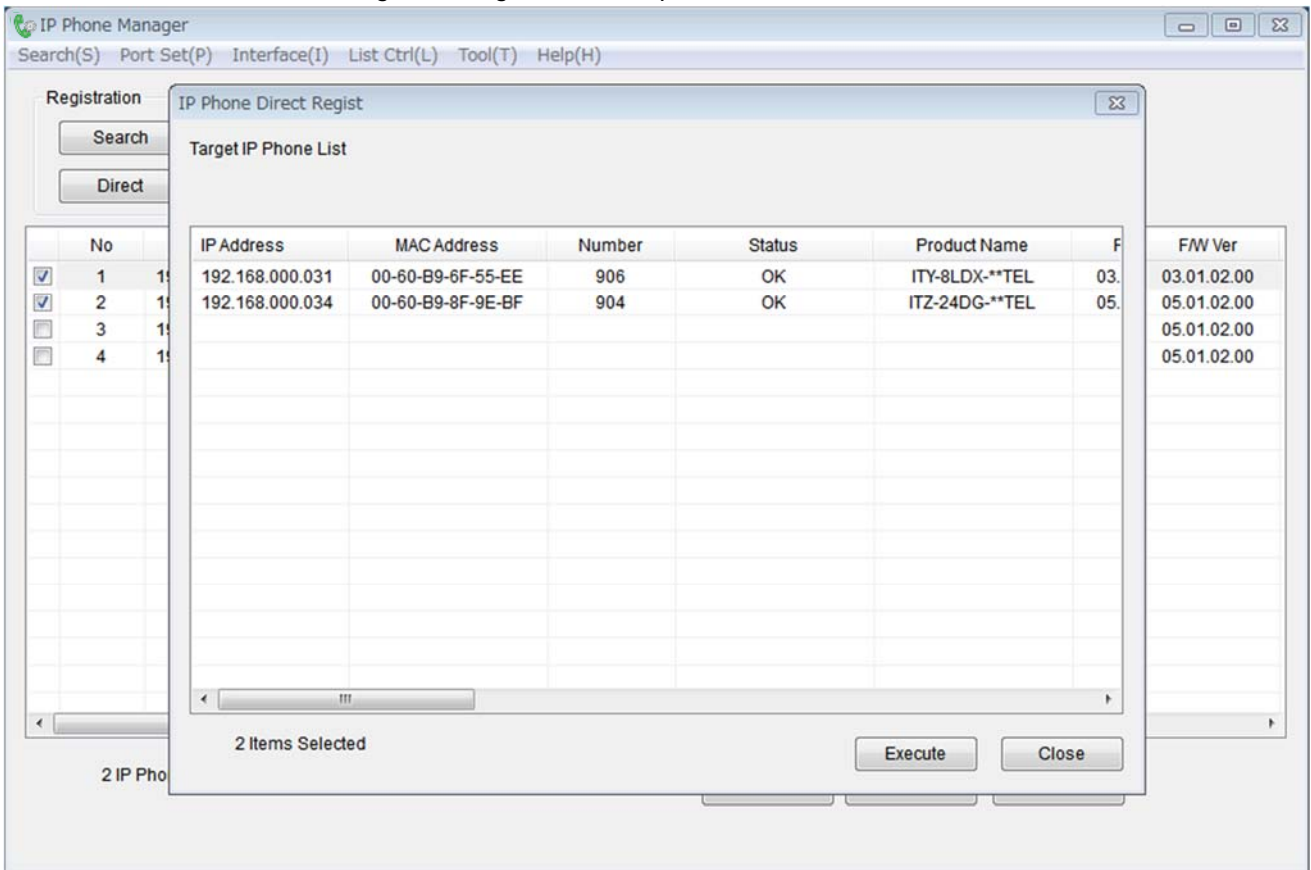
If click the Direct button, the following dialog will be displayed, so enter the IP address of the ip phone and search.



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.



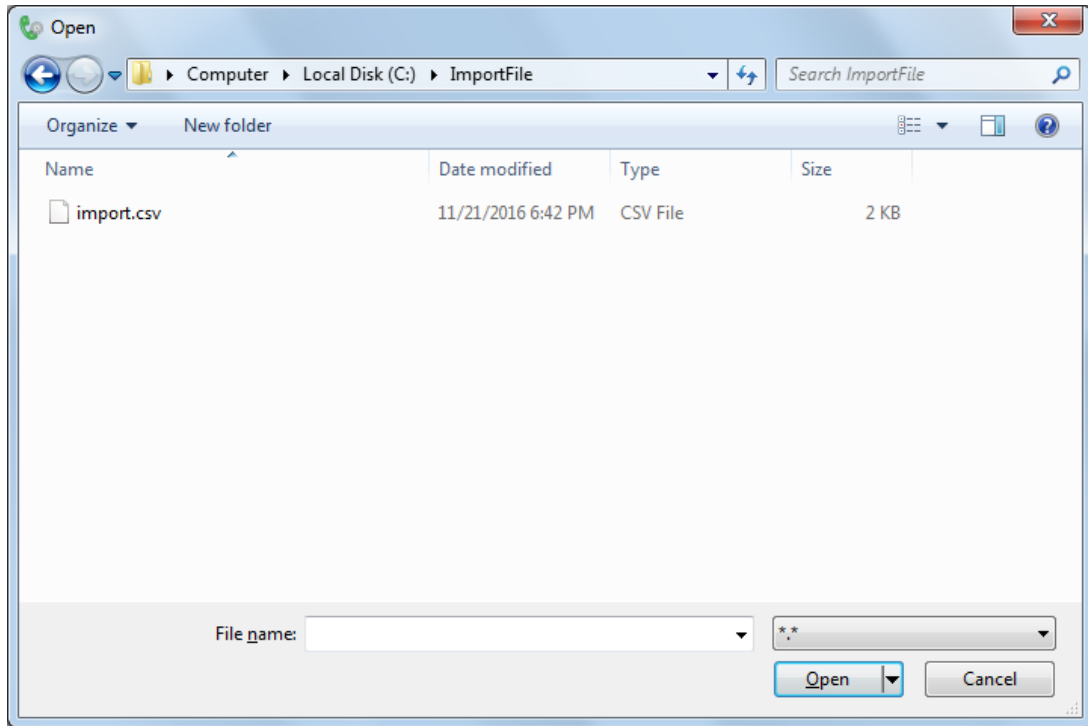
### 4.3.3. Import

"Import" is used to import the registration information data (CSV file) output from the application software "PC Pro" of the PBX SV9500/SV8500 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.

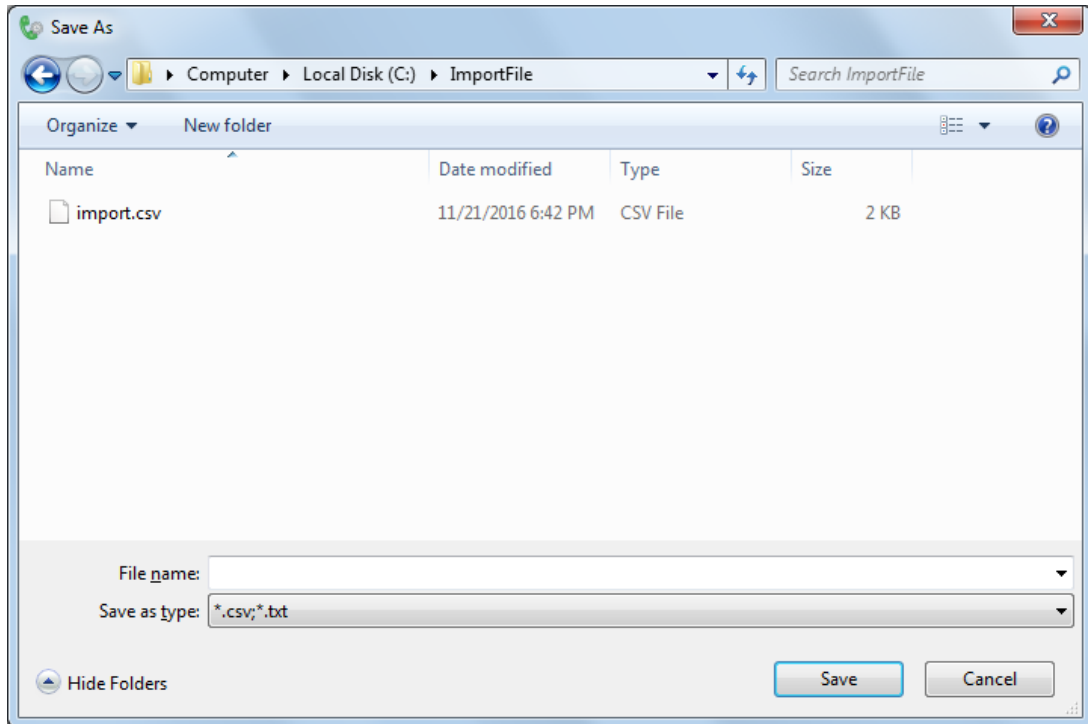
When you selected a CSV file exported from the IP Phone Manager, information other than Status will be imported.



#### 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.



## 4.5. 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"

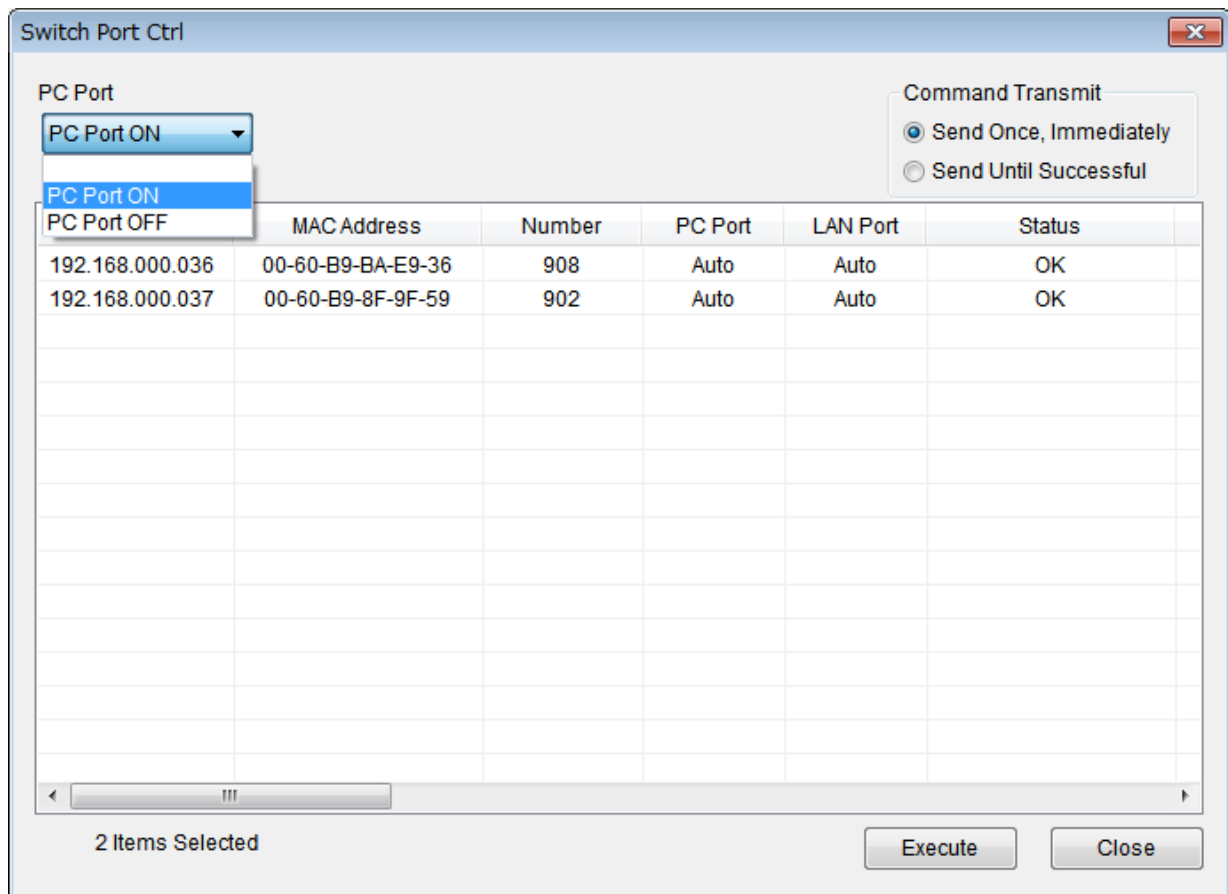
### 4.5.1. Switch Port Ctrl

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".

| No                                  | IP Address | MAC Address     | Port              | Status | Lock Status | Product Name    | F/W Ver     |
|-------------------------------------|------------|-----------------|-------------------|--------|-------------|-----------------|-------------|
| <input type="checkbox"/>            | 1          | 192.168.000.031 | 00-60-B9-6F-55-EE | LogOFF | Unlock      | ITY-8LDX-TEL    | 03.01.02.00 |
| <input type="checkbox"/>            | 2          | 192.168.000.034 | 00-60-B9-8F-9E-BF | LogOFF | Unlock      | ITZ-24DG-TEL    | 05.01.02.00 |
| <input checked="" type="checkbox"/> | 3          | 192.168.000.036 | 00-60-B9-BA-E9-36 | LogOFF | Unlock      | ITZ-8LD(v2)-TEL | 05.01.02.00 |
| <input checked="" type="checkbox"/> | 4          | 192.168.000.037 | 00-60-B9-8F-9F-59 | LogOFF | Unlock      | ITZ-24CG-TEL    | 05.01.02.00 |

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.

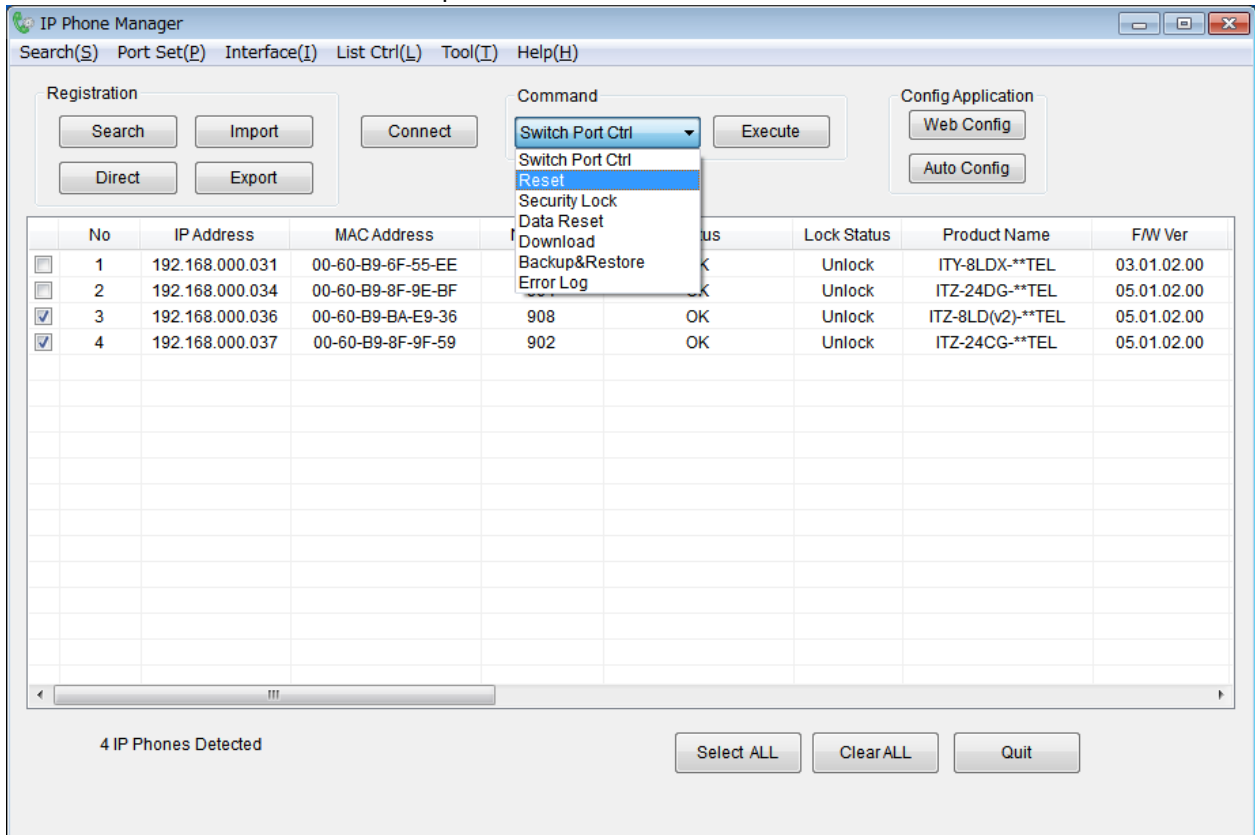
Also, if PCPort is set to OFF by setting on the ip phone or setting from the main unit, "PortCtl N/A" will be displayed even if PCPortON is executed even though it is not busy.

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".









### 4.5.3. Security Lock

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

\* The

DT920(6D/12D)/DT920(8LCX)/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" or from the list on the main screen, check the check box, select "Security Lock" in the Command frame and press "Execute".

The screenshot shows the IP Phone Manager application window. The interface includes a menu bar (Search, Port Set, Interface, List Ctrl, Tool, Help), a Registration section with buttons for Search, Import, Connect, Direct, and Export, and a Command section with a dropdown menu and an Execute button. The Command dropdown menu is open, showing options: Security Lock, Switch Port Ctrl, Reset, Security Lock, Data Reset, Download, Backup&Restore, and Error Log. Below the Command section is a table with columns: No, IP Address, MAC Address, Lock Status, Product Name, and FW Ver. The table contains four rows of data, with rows 3 and 4 selected. At the bottom, there is a status bar indicating '4 IP Phones Detected' and buttons for Select ALL, Clear ALL, and Quit.

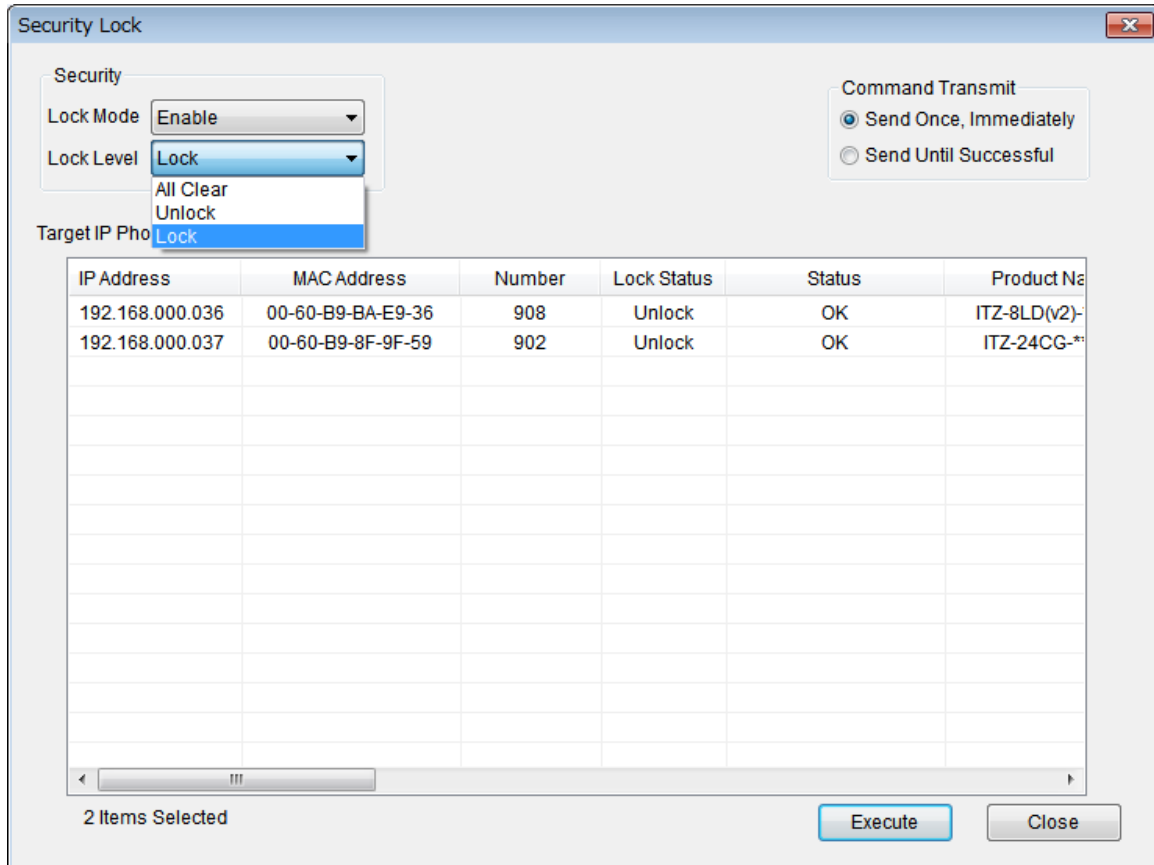
| No                                  | IP Address | MAC Address     | Lock Status       | Product Name | FW Ver          |             |                    |             |
|-------------------------------------|------------|-----------------|-------------------|--------------|-----------------|-------------|--------------------|-------------|
| <input type="checkbox"/>            | 1          | 192.168.000.031 | 00-60-B9-6F-55-EE | Unlock       | ITY-8LDX-**-TEL | 03.01.02.00 |                    |             |
| <input type="checkbox"/>            | 2          | 192.168.000.034 | 00-60-B9-8F-9E-BF | Unlock       | ITZ-24DG-**-TEL | 05.01.02.00 |                    |             |
| <input checked="" type="checkbox"/> | 3          | 192.168.000.036 | 00-60-B9-BA-E9-36 | 908          | OK              | Unlock      | ITZ-8LD(v2)-**-TEL | 05.01.02.00 |
| <input checked="" type="checkbox"/> | 4          | 192.168.000.037 | 00-60-B9-8F-9F-59 | 902          | OK              | Unlock      | ITZ-24CG-**-TEL    | 05.01.02.00 |

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 be 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.

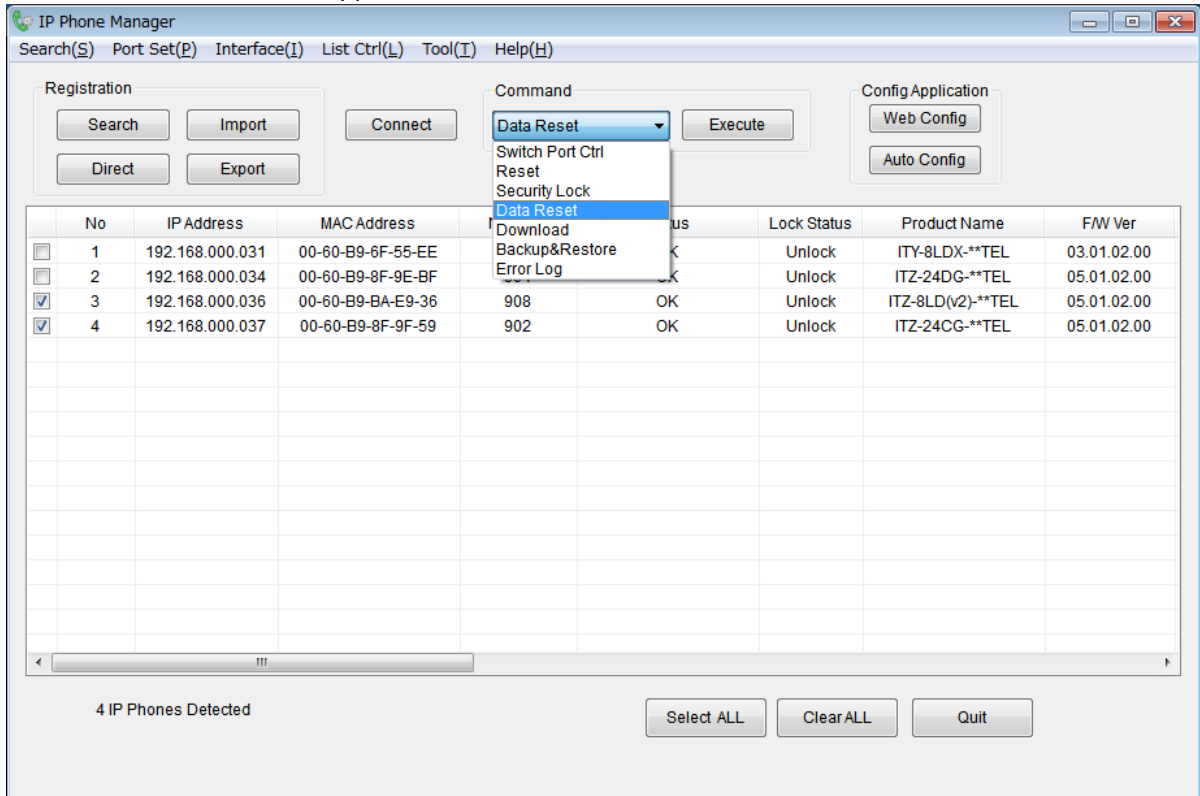
If "Error" is displayed in the status, There is a possibility that IP Phone Manager and IP phone are not connected. Check the connection status with the IP phone, Please execute "Connect" and "Disable" again.

#### 4.5.4. Data Reset

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

Select the ip phone you want to "Lock" or 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.

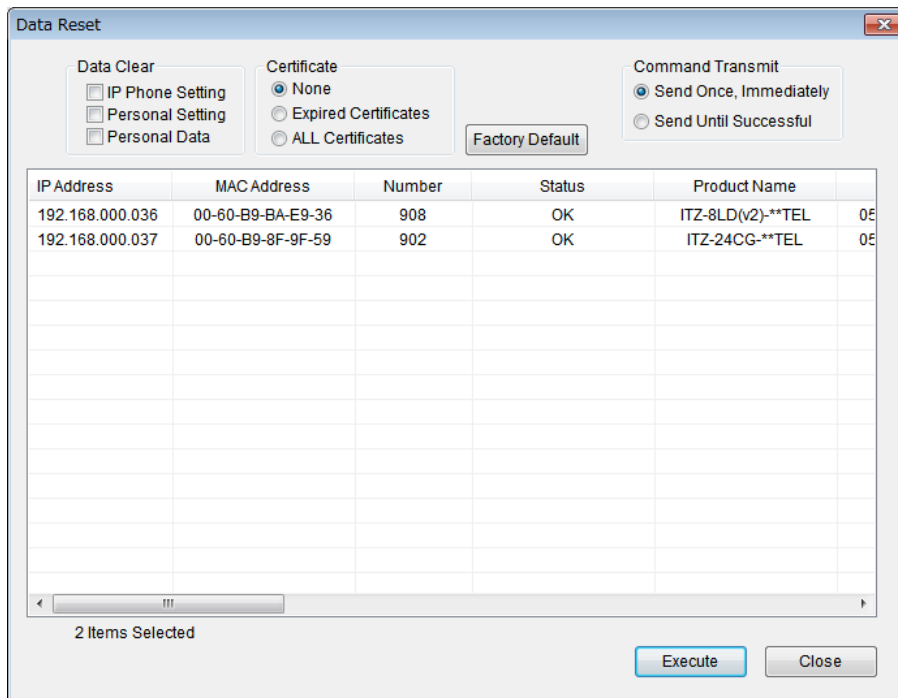
You can select multiple items in "Data Clear" frame.

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.

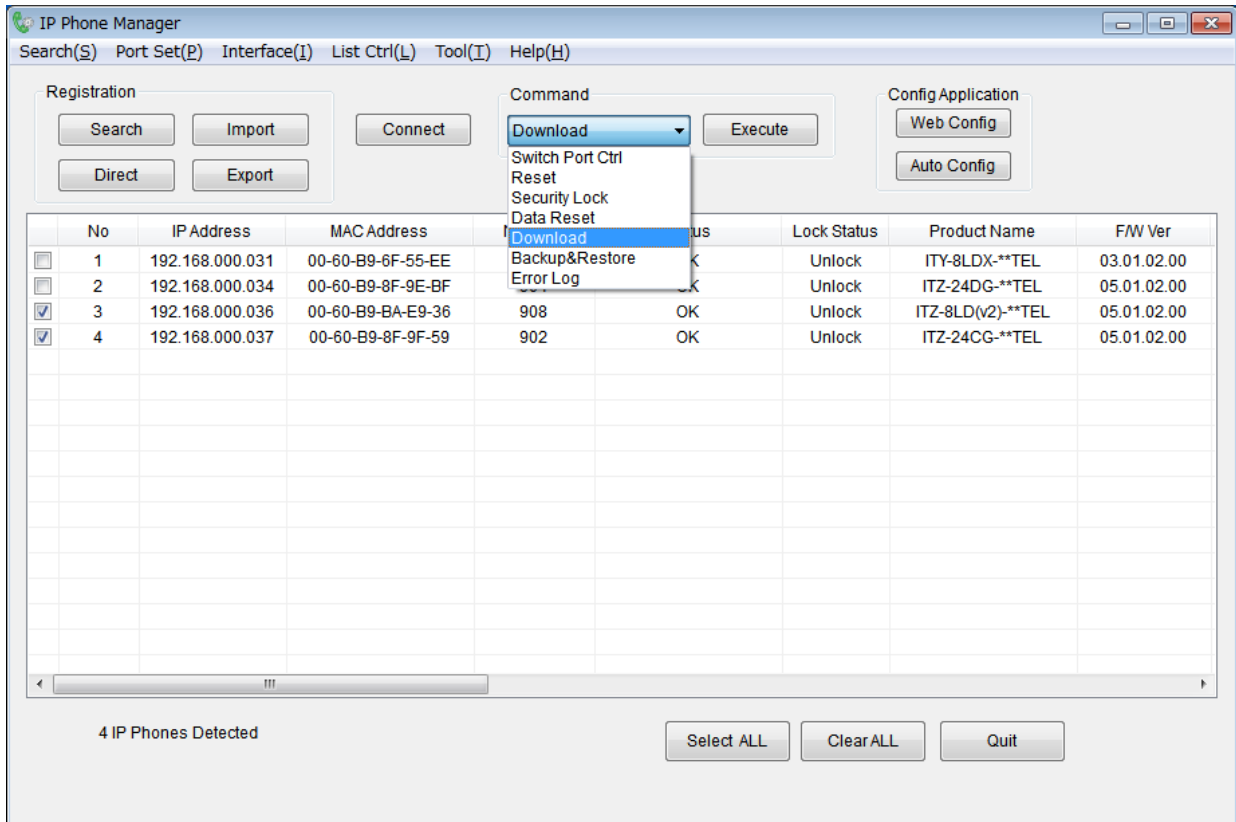
**【Data Reset Details of target】**

- [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.

| No                                  | IP Address | MAC Address     | Number            | FW Ver | Product Name | Status             |    |
|-------------------------------------|------------|-----------------|-------------------|--------|--------------|--------------------|----|
| <input type="checkbox"/>            | 1          | 192.168.000.031 | 00-60-B9-6F-55-EE | 906    | 03.01.02.00  | ITY-8LDX-**-TEL    | OK |
| <input type="checkbox"/>            | 2          | 192.168.000.034 | 00-60-B9-8F-9E-BF | 904    | 05.01.02.00  | ITZ-24DG-**-TEL    | OK |
| <input checked="" type="checkbox"/> | 3          | 192.168.000.036 | 00-60-B9-BA-E9-36 | 908    | 05.01.02.00  | ITZ-8LD(v2)-**-TEL | OK |
| <input checked="" type="checkbox"/> | 4          | 192.168.000.037 | 00-60-B9-8F-9F-59 | 902    | 05.01.02.00  | ITZ-24CG-**-TEL    | OK |

➤ 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 directory 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

DT930CG terminal (A terminal F/W ver 1.0.0.0 or later)

DT920(6D/12D)/DT920(8LCX)/DT930G(8TCGX) terminal (A terminal F/W ver 2.1.0.0 or later)

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
- Shortcut Settings : The shortcut data file
- 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 ver 1.2.0.0 or later, DT830CG/DT830DG supports to terminals F/W ver 2.0.0.0 or later, DT930CG/DT820(6D)/DT820(8LDX)/DT820(8LCGX)/SL2100 IP Phone supports to terminals F/W ver 1.0.0.0 or later, DT920(6D/12D)/DT920(8LCX)/DT930G(8TCGX) supports to terminals F/W ver 2.1.0.0 or later)

- Flash Memory Image : The default value is "imgsip.tgz"  
 Make sure the extension of the filename is ".tgz".  
 (DT920(6D/12D)/DT920(8LCX)/DT930CG/  
 DT930G(8TCGX)/DT820(6D)/DT820(8LDX)/DT820(8LCGX)/DT830/D  
 T830CG/DT830DG/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, DT920(6D/12D)/DT920(8LCX)/DT930CG/  
 DT930G(8TCGX)/DT820(6D)/DT820(8LDX)/DT820(8LCGX)/DT830/D  
 T830CG/DT830DG/DT730(8LDE)/DT730CG/DT730DG/DT770G/SL210  
 0 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, DT930CG/DT820(6D)/DT820(8LDX)/DT820(8LCGX)/SL2100 IP  
 Phone supports terminals F/W ver1.0.0.0 or later,  
 DT920(6D/12D)/DT920(8LCX)/DT930G(8TCGX) supports to  
 terminals F/W ver 2.1.0.0 or later, DT710/DT770G does not support.)
- 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, DT930CG supports terminal F/W ver 1.0.0.0 or later,  
DT920(6D/12D)/DT920(8LCX)/DT930G(8TCGX) supports terminal  
F/W ver 2.1.0.0 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, DT930CG supports terminal F/W ver 1.0.0.0 or later, DT920(6D/12D)/DT920(8LCX)/DT930G(8TCGX) supports to terminals F/W ver 2.1.0.0 or later.)
- Shortcut Settings : The default value is "ShortcutCfg.gz"  
Make sure the extension of the filename is ".der" or ".tgz".  
(DT710/DT730/DT750/DT730CG/DT730DG/DT770G/DT830/DT830CG/DT830DG/DT820(6D)/DT820(8LDX)/DT820(8LCGX)/DT920(6D/12D)/SL2100 IP Phone are not supported, DT930CG supports terminal F/W ver 2.0.0.0 or later, DT920(8LCX)/DT930G(8TCGX) supports to terminals F/W ver 2.1.0.0 or later.)
- Input File Name : Select Input File name and enter the file name in the table below

| File type                     | Input filename   | Remarks  |
|-------------------------------|--|--|
| The local directory           | Directory.csv  | DT730/DT750 : Ver.1.0.0.0 or later<br>DT730CG/DT730DG/DT770G : Ver.1.0.0.0 or later<br>DT830/DT830DG/DT830CG : Ver.1.2.0.0 or later<br>DT820(8LCGX) : Ver.3.2.0.0 or later<br>DT930CG : Ver.1.0.0.0 or later<br>DT920(8LCX)/DT930G(8TCGX) : Ver 2.1.0.0 or later<br><b>Models other than the above are not supported</b> |
| The encrypted local directory | Directory.csv.ef   | DT830DG/DT830CG : Ver.3.0.0.0 or later<br>DT820(8LCGX) : Ver.3.2.0.0 or later<br>DT930CG : Ver.1.0.0.0 or later<br>DT920(8LCX)/DT930G(8TCGX) : Ver 2.1.0.0 or later<br><b>Models other than the above are not supported</b>  |
| The hold music                | MOH.wav  |  |
| The ringtone 1                | Melody1.wav  | DT820(6D)/DT710 are not supported<br>DT920(6D/12D) not supported   |
| The ringtone 2                | Melody2.wav  | DT820(6D)/DT710 are not supported<br>DT920(6D/12D) not supported   |
| The ringtone 3                | Melody3.wav  | DT820(6D)/DT710 are not supported<br>DT920(6D/12D) not supported   |
| The wallpaper                 | WallPaper.bmp<br>WallPaper.jpg<br>WallPaper.gif<br>WallPaper.png | DT750 : Ver.3.0.0.0 or later<br>DT730CG : Ver.1.0.0.0 or later<br>DT830CG : Ver.2.0.0.0 or later<br>DT820(8LCGX) : Ver.3.2.0.0 or later<br>DT930CG : Ver.1.0.0.0 or later<br>DT920(8LCX)/DT930G(8TCGX) : Ver 2.1.0.0 or later<br><b>Models other than the above are not supported</b>                                    |

**【Notes】**

- \*Prepare the download data confirming that it operates normally in advance.
- \*For details of the files in the above table, refer to "Data Maintenance Tool Manual" and "Local 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.

The screenshot shows the 'Download' window with the following configuration:

- File Server:** FTP selected, IP Address: 192.168.0.181, User: test, Password: ●●●, Directory: dir.
- Download Option:** Download File Type: Boot&Program, File Name: Correspondence Value, Simultaneous Download: 8, Command Transmit: Send Once, Immediately selected.
- IP Phone Information:** Type: DT830/DT830DG, H/W Ver: 09.01.06.01, Firmware Version: 05.01.02.00, NEC-SIP to Std-SIP: unchecked, Std-SIP to NEC-SIP: unchecked.

| No                                  | IP Address | MAC Address     | Number            | FW Ver | Product Name | Status          |    |
|-------------------------------------|------------|-----------------|-------------------|--------|--------------|-----------------|----|
| <input checked="" type="checkbox"/> | 1          | 192.168.000.034 | 00-60-B9-8F-9E-BF | 904    | 05.01.02.00  | ITZ-24DG-TEL    | OK |
| <input checked="" type="checkbox"/> | 2          | 192.168.000.036 | 00-60-B9-BA-E9-36 | 908    | 05.01.02.00  | ITZ-8LD(v2)-TEL | OK |

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.

| No                                  | IP Address | MAC Address     | Number            | F/W Ver |             |
|-------------------------------------|------------|-----------------|-------------------|---------|-------------|
| <input checked="" type="checkbox"/> | 1          | 192.168.000.034 | 00-60-B9-8F-9E-BF | 904     | 05.01.02.00 |
| <input checked="" type="checkbox"/> | 2          | 192.168.000.036 | 00-60-B9-BA-E9-36 | 908     | 05.01.02.00 |

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                                 |
|-----------------------------------|---|-------------|----------------|---|
| ITK Series terminals              | DT920(6D/12D)   | 09.01.08.01 | itkisipe.tgz   | IPPhoneManager<br>Ver 8.7.0 or later    |
|                                   | DT920(8LCX)   | 09.01.08.02 | itkisipvc.tgz  |   |
|                                   | DT930(12/24/32CG)   | 09.01.08.00 | itkisipvc.tgz  | IPPhoneManager<br>Ver 8.6.0 or later    |
|                                   | DT930G(8TCGX)   | 09.01.08.03 | itkisiptc.tgz  | IPPhoneManager<br>Ver 8.7.0 or later    |
| ITY Series terminals              | DT820(6D)   | 09.01.07.00 | ityisipe.tgz   | IPPhoneManager<br>Ver 8.0.0 or later    |
|                                   | DT820(8LDX)   | 09.01.07.01 | ityisipex.tgz  | IPPhoneManager<br>Ver 8.5.0 or later    |
|                                   | DT820(8LCGX)  | 09.01.07.02 | ityisipe.tgz   | IPPhoneManager<br>Ver 8.5.0 or later    |
| ITZ Series terminals              | DT830(12D/24D/32D/2<br>4PA/24PD)                          | 09.01.06.01 | itzisipvg.tgz  | IPPhoneManager<br>Ver 7.0.0 or later    |
|                                   | DT830(32DLK)<br>DT830G(24DG)                              |             |                | IPPhoneManager<br>Version7.1.0 or later |
|                                   | DT830(12D/24D/32D/3<br>2DLK/24PAG/24PDG)<<br>Replacement> |             |                | IP Phone Manager<br>Ver 7.2.1 or later  |
|                                   | DT830G(24CG)  | 09.01.06.02 | itzisipvc.tgz  | IP Phone Manager<br>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<br>Ver 6.0.0 or later  |
|                                   | DT730CG   | 09.01.05.02 | itlisipvc.tgz  | IP Phone Manager<br>Ver 6.0.0 or later  |
|                                   | DT770G  | 09.01.05.04 | itlisipcr.tgz  | IP Phone Manager<br>Ver 6.1.0 or later  |
| IP7WW Series terminals            | SL2100 IP Phone   | 09.01.00.02 | itiysiprx.tgz  | IP Phone Manager<br>Ver 8.3.0 or later  |
| ITY Series standard SIP terminals | Std.SIPDT820(6D)  | 09.05.02.00 | ityissipe.tgz  | IP Phone Manager<br>Ver 8.0.0 or later  |
|                                   | Std.SIPDT820(8LDX)  | 09.05.02.01 | ityissipex.tgz |   |
|                                   | Std.SIPDT820(8LCGX)                                       | 09.05.02.02 | ityissipe.tgz  | IP Phone Manager<br>Ver 8.5.1 or later  |
| ITL Series standard SIP terminals | Std.SIPDT710  | 09.01.04.00 | itlissipe.tgz  | IP Phone Manager<br>Ver 4.0.0 or later  |
|                                   | Std.SIPDT730  | 09.01.04.03 | itlissipv.tgz  | IP Phone Manager<br>Ver 4.0.0 or later  |
|                                   | Std.SIPDT730DG  | 09.05.00.01 | itlissipvg.tgz | IP Phone Manager<br>Ver 6.0.1 or later  |
|                                   | Std.SIPDT730CG  | 09.05.00.02 | itlissipvc.tgz | IP Phone Manager<br>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&Program", set the Simultaneous Download setting value to 2, and click the "Download" button.

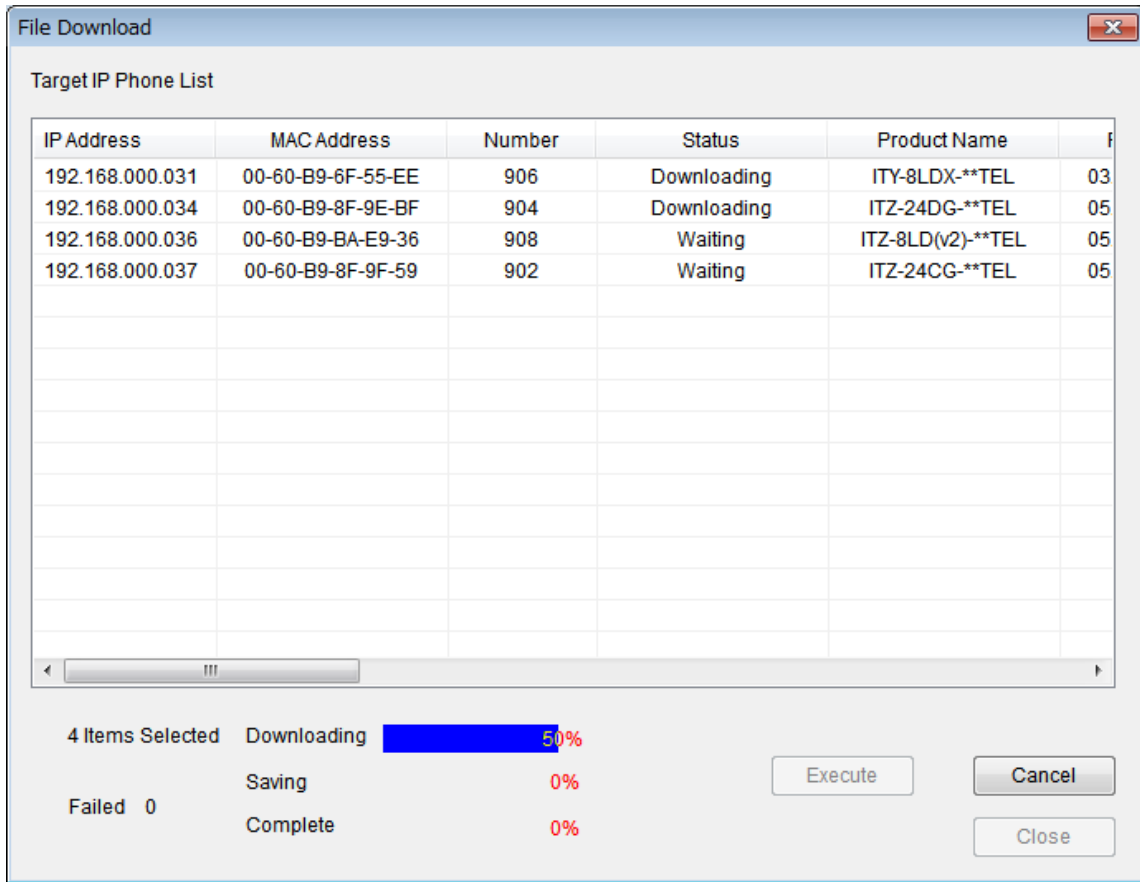
The screenshot shows a 'Download' window with the following configuration:

- File Server:** FTP (selected), IP Address (selected), 192 . 168 . 0 . 181, User: test, Password: masked, Directory: empty.
- Download Option:** Download File Type: Boot&Program, File Name: Correspondence Value, Simultaneous Download: 2, Command Transmit: Send Once, Immediately (selected).
- IP Phone Information:** Type: empty, HW Ver: empty, Edit: button, Firmware Version: Version: empty, Find: button, Refresh: button, Search: button.

| No                                  | IP Address | MAC Address     | Number            | FW Ver | Product Name | Status            |    |
|-------------------------------------|------------|-----------------|-------------------|--------|--------------|-------------------|----|
| <input checked="" type="checkbox"/> | 1          | 192.168.000.031 | 00-60-B9-6F-55-EE | 906    | 03.01.02.00  | ITY-8LDX-**TEL    | OK |
| <input checked="" type="checkbox"/> | 2          | 192.168.000.034 | 00-60-B9-8F-9E-BF | 904    | 05.01.02.00  | ITZ-24DG-**TEL    | OK |
| <input checked="" type="checkbox"/> | 3          | 192.168.000.036 | 00-60-B9-BA-E9-36 | 908    | 05.01.02.00  | ITZ-8LD(v2)-**TEL | OK |
| <input checked="" type="checkbox"/> | 4          | 192.168.000.037 | 00-60-B9-8F-9F-59 | 902    | 05.01.02.00  | ITZ-24CG-**TEL    | OK |
|                                     |            |                 |                   |        |              |                   |    |
|                                     |            |                 |                   |        |              |                   |    |
|                                     |            |                 |                   |        |              |                   |    |
|                                     |            |                 |                   |        |              |                   |    |

Buttons at the bottom: Select ALL, Clear ALL, Download, Close.

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



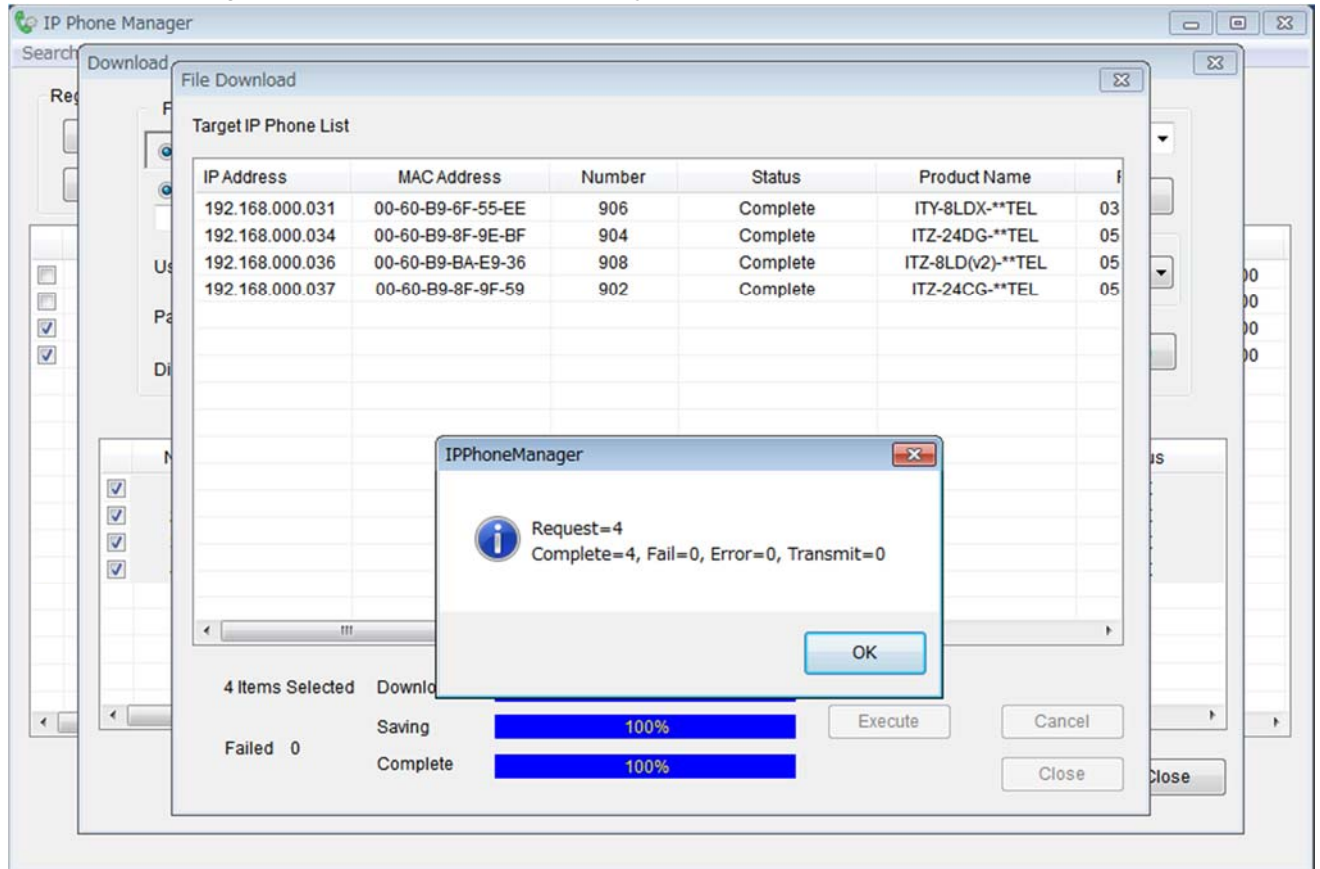
2 downloads are started in the order of the youngest IP Address. For ip phones that have started downloading, the status will be "Downloading" and the other ip phones will be "Waiting".

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 File Server 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.

The screenshot shows a 'Download' window with the following configuration:

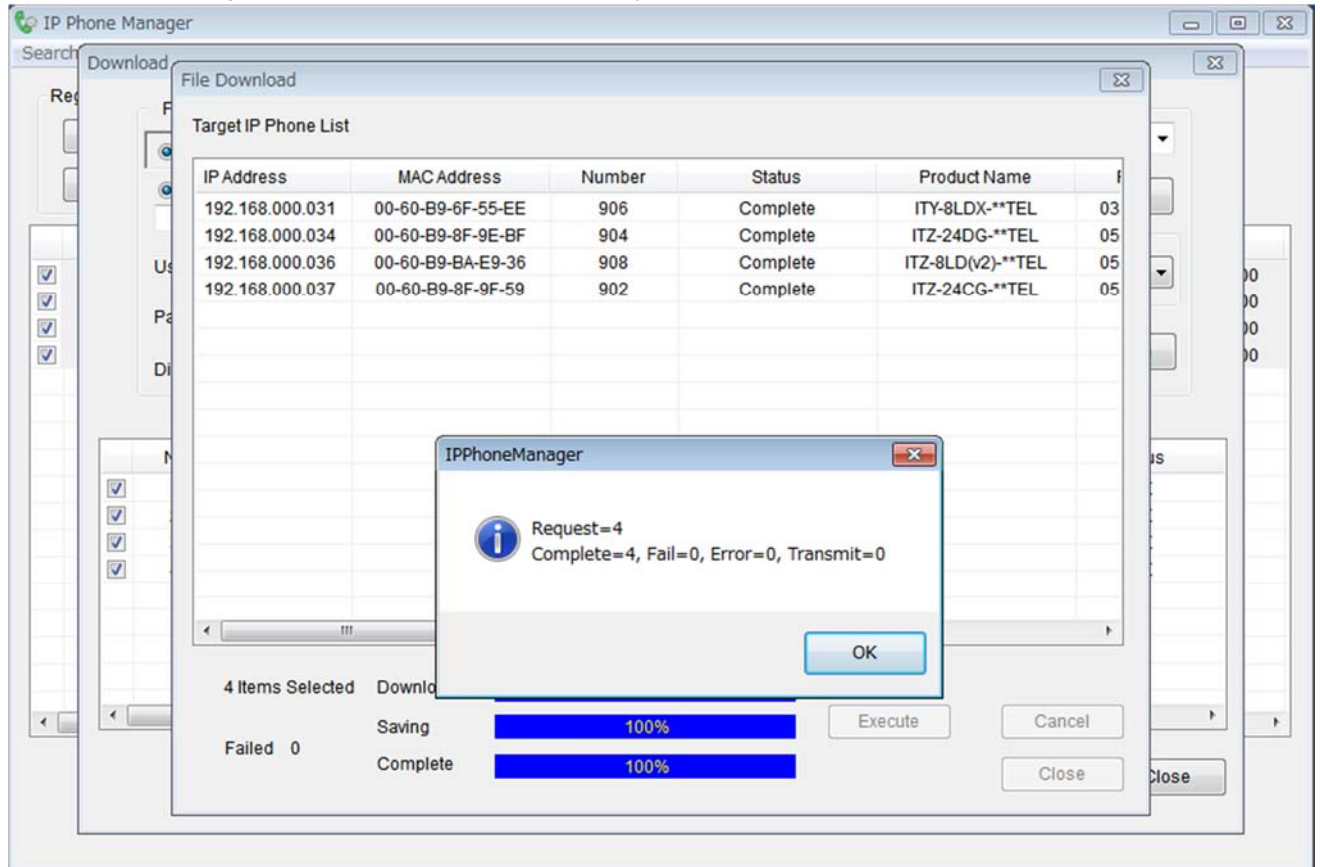
- File Server:** FTP (selected), IP Address (192.168.0.181), User (test), Password (masked).
- Download Option:** Download File Type (Input File Name), File Name (Melody1.wav), Simultaneous Download (2), Command Transmit (Send Once, Immediately).
- IP Phone Information:** Type (dropdown), HW Ver (dropdown), Firmware Version (dropdown), Version (dropdown), Find (dropdown), Refresh, Search, NEC-SIP to Std-SIP (unchecked), Std-SIP to NEC-SIP (unchecked).

| No                                  | IP Address | MAC Address     | Number            | F/W Ver | Product Name | Status             |    |
|-------------------------------------|------------|-----------------|-------------------|---------|--------------|--------------------|----|
| <input checked="" type="checkbox"/> | 1          | 192.168.000.031 | 00-60-B9-6F-55-EE | 906     | 03.01.02.00  | ITY-8LDX-**-TEL    | OK |
| <input checked="" type="checkbox"/> | 2          | 192.168.000.034 | 00-60-B9-8F-9E-BF | 904     | 05.01.02.00  | ITZ-24DG-**-TEL    | OK |
| <input checked="" type="checkbox"/> | 3          | 192.168.000.036 | 00-60-B9-BA-E9-36 | 908     | 05.01.02.00  | ITZ-8LD(v2)-**-TEL | OK |
| <input checked="" type="checkbox"/> | 4          | 192.168.000.037 | 00-60-B9-8F-9F-59 | 902     | 05.01.02.00  | ITZ-24CG-**-TEL    | OK |
|                                     |            |                 |                   |         |              |                    |    |
|                                     |            |                 |                   |         |              |                    |    |
|                                     |            |                 |                   |         |              |                    |    |
|                                     |            |                 |                   |         |              |                    |    |
|                                     |            |                 |                   |         |              |                    |    |
|                                     |            |                 |                   |         |              |                    |    |

Buttons at the bottom: Select ALL, Clear ALL, Download, Close.



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 Server 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 |
|-------------------|----------------------------|----------------------------|----------------------------------|
| <b>Terminal A</b> | Termianl.gz                | Personal.gz                | 00-60-B9-11-22-33_Terminal.gz    |
| <b>Terminal B</b> | TerminalCfg.gz             | PersonalCfg.gz             | 00-60-B9-44-55-66_TerminalCfg.gz |
| <b>Terminal C</b> | TerminalCfg.gz             | PersonalCfg.gz             | 00-60-B9-77-88-99_TerminalCfg.gz |
| <b>Terminal D</b> | 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 |
|-------------------|----------------------------------|---------------------------------|---------------------------------|
| <b>Terminal A</b> | 00-60-B9-11-22-33_Personal.gz    | 172.16.253.100_Terminal.gz      | 172.16.253.100_Personal.gz      |
| <b>Terminal B</b> | 00-60-B9-44-55-66_PersonalCfg.gz | 172.16.253.101_TerminalCfg.gz   | 172.16.253.101_PersonalCfg.gz   |
| <b>Terminal C</b> | 00-60-B9-77-88-99_PersonalCfg.gz | 172.16.253.102_TerminalCfg.gz   | 172.16.253.102_PersonalCfg.gz   |
| <b>Terminal D</b> | 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 |
|-------------------|--|--|------------|
| <b>Terminal A</b> | 200_Terminal.gz                          | 200_Personal.gz                          | config.tgz |
| <b>Terminal B</b> | 201_TerminalCfg.gz                       | 201_PersonalCfg.gz                       | config.tgz |
| <b>Terminal C</b> | 202_TerminalCfg.gz                       | 202_PersonalCfg.gz                       | config.tgz |
| <b>Terminal D</b> | 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           |
|-------------------|-----------------------|-----------------------|--------------------|
| <b>Terminal A</b> | 00-60-B9-11-22-33.p12 | 00-60-B9-11-22-33.tgz | 172.16.253.100.p12 |
| <b>Terminal B</b> | 00-60-B9-44-55-66.p12 | 00-60-B9-44-55-66.tgz | 172.16.253.101.p12 |
| <b>Terminal C</b> | 00-60-B9-77-88-99.p12 | 00-60-B9-77-88-99.tgz | 172.16.253.102.p12 |
| <b>Terminal D</b> | 00-60-B9-AA-BB-CC.p12 | 00-60-B9-AA-BB-CC.tgz | 172.16.253.103.p12 |

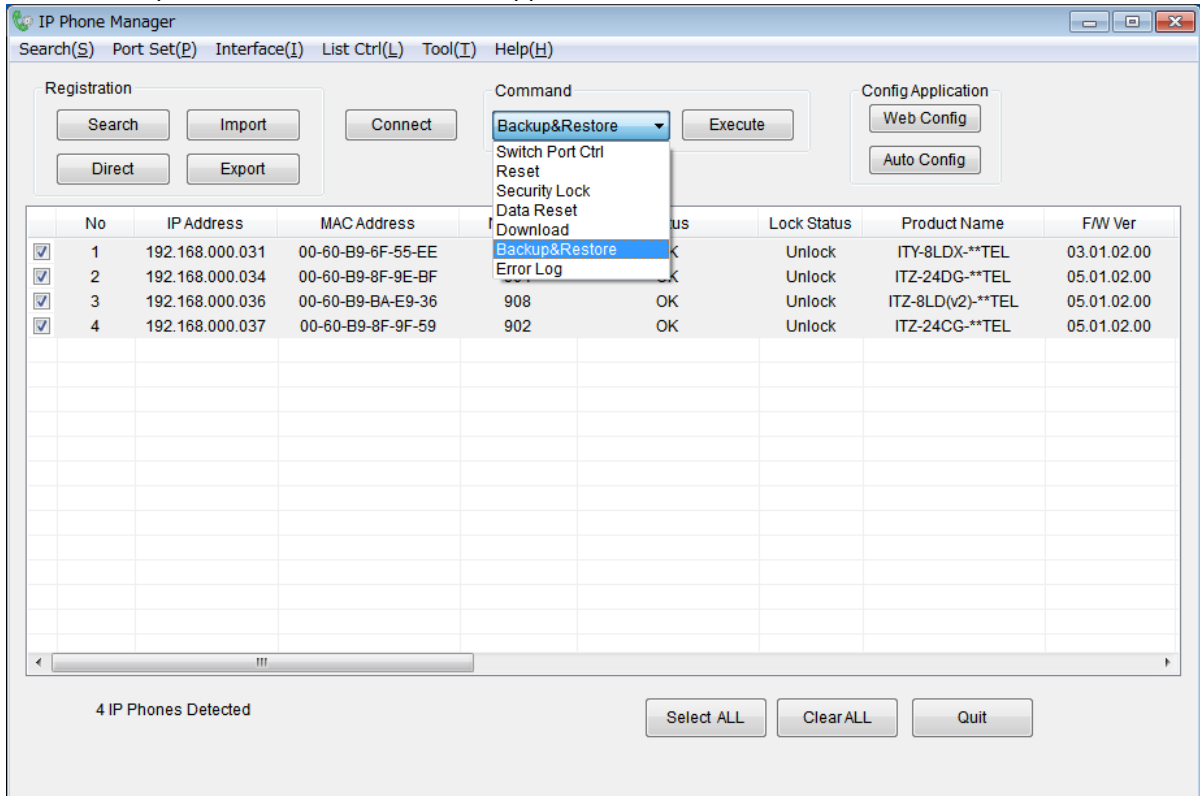
| File Name(2/2)    | <IP>.tgz           | <PhoneNumber>.p12 | <PhoneNumber>.tgz |
|-------------------|--------------------|-------------------|-------------------|
| <b>Terminal A</b> | 172.16.253.100.tgz | 200.p12           | 200.tgz           |
| <b>Terminal B</b> | 172.16.253.101.tgz | 201.p12 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

| No                                  | IP Address      | MAC Address       | Number | F/W Ver     | Product Name      | Status |
|-------------------------------------|-----------------|-------------------|--------|-------------|-------------------|--------|
| <input checked="" type="checkbox"/> | 192.168.000.031 | 00-60-B9-6F-55-EE | 906    | 03.01.02.00 | ITY-8LDX-**TEL    | OK     |
| <input checked="" type="checkbox"/> | 192.168.000.034 | 00-60-B9-8F-9E-BF | 904    | 05.01.02.00 | ITZ-24DG-**TEL    | OK     |
| <input checked="" type="checkbox"/> | 192.168.000.036 | 00-60-B9-BA-E9-36 | 908    | 05.01.02.00 | ITZ-8LD(v2)-**TEL | OK     |
| <input checked="" type="checkbox"/> | 192.168.000.037 | 00-60-B9-8F-9F-59 | 902    | 05.01.02.00 | ITZ-24CG-**TEL    | OK     |

➤ 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 directory 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

DT930CG terminal (A terminal F/W ver 1.0.0.0 or later)

DT920(6D/12D)/DT920(8LCX)/DT930G(8TCGX) terminal (A terminal F/W ver 2.1.0.0 or later)

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.

| No                                  | IP Address      | MAC Address       | Number | F/W Ver     | Product Name      | Status |
|-------------------------------------|-----------------|-------------------|--------|-------------|-------------------|--------|
| <input checked="" type="checkbox"/> | 192.168.000.031 | 00-60-B9-6F-55-EE | 906    | 03.01.02.00 | ITY-8LDX-**TEL    | OK     |
| <input checked="" type="checkbox"/> | 192.168.000.034 | 00-60-B9-8F-9E-BF | 904    | 05.01.02.00 | ITZ-24DG-**TEL    | OK     |
| <input checked="" type="checkbox"/> | 192.168.000.036 | 00-60-B9-BA-E9-36 | 908    | 05.01.02.00 | ITZ-8LD(v2)-**TEL | OK     |
| <input checked="" type="checkbox"/> | 192.168.000.037 | 00-60-B9-8F-9F-59 | 902    | 05.01.02.00 | ITZ-24CG-**TEL    | OK     |

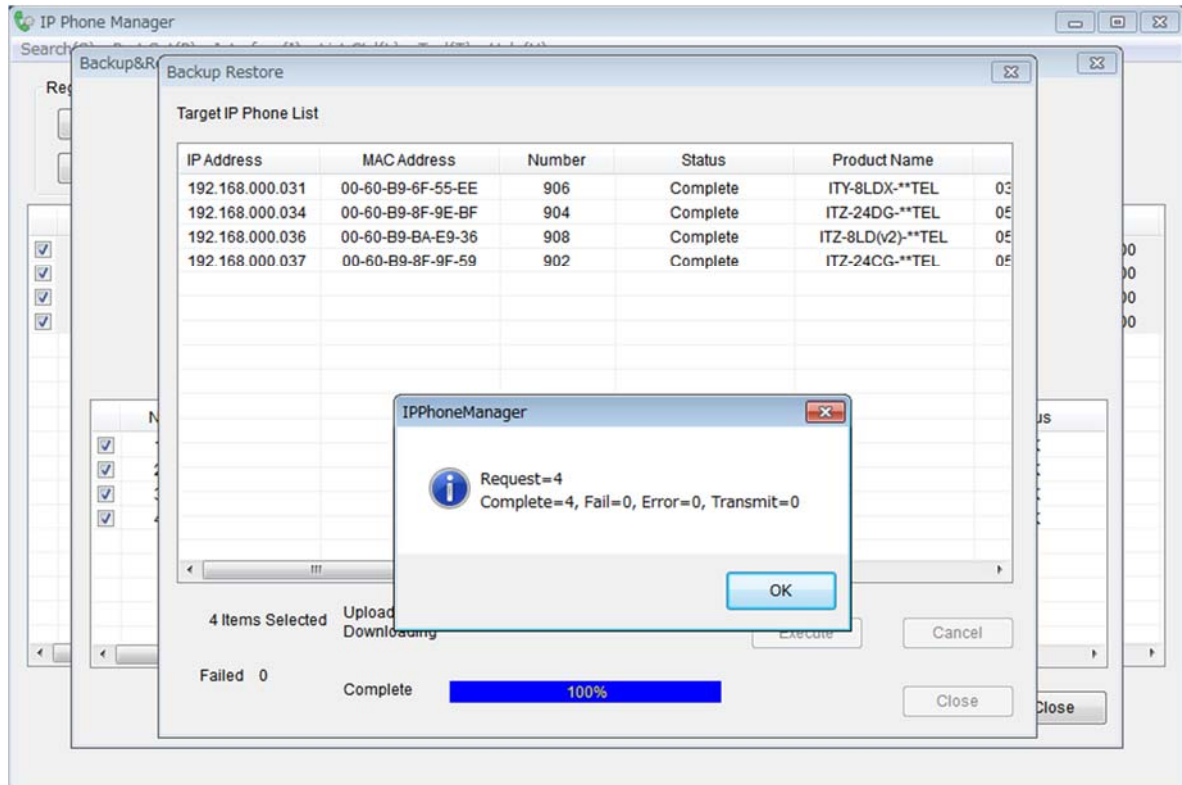
*Step 1.* Select the ip phone to be backed up and turn on the check box.

*Step 2.* Sets "Action" to "Backup", sets "File Name" to "MAC", sets "Simultaneous Download" to "2".

*Step 3.* Click "OK" button.



When the backup is completed, the result is displayed.

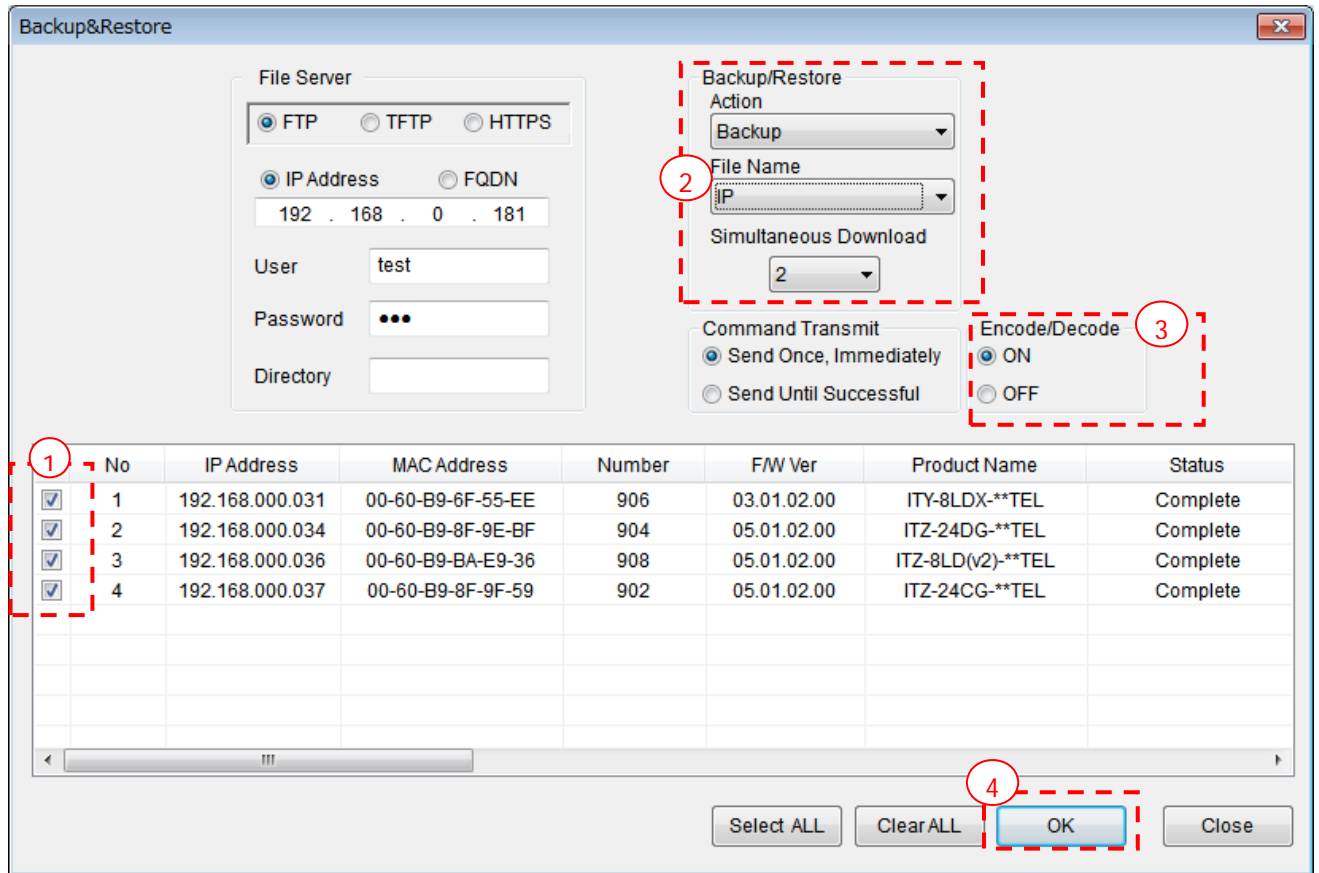


If the backup result is successful, the backup file is uploaded to the File Server's root directory with the following file name.

- 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.



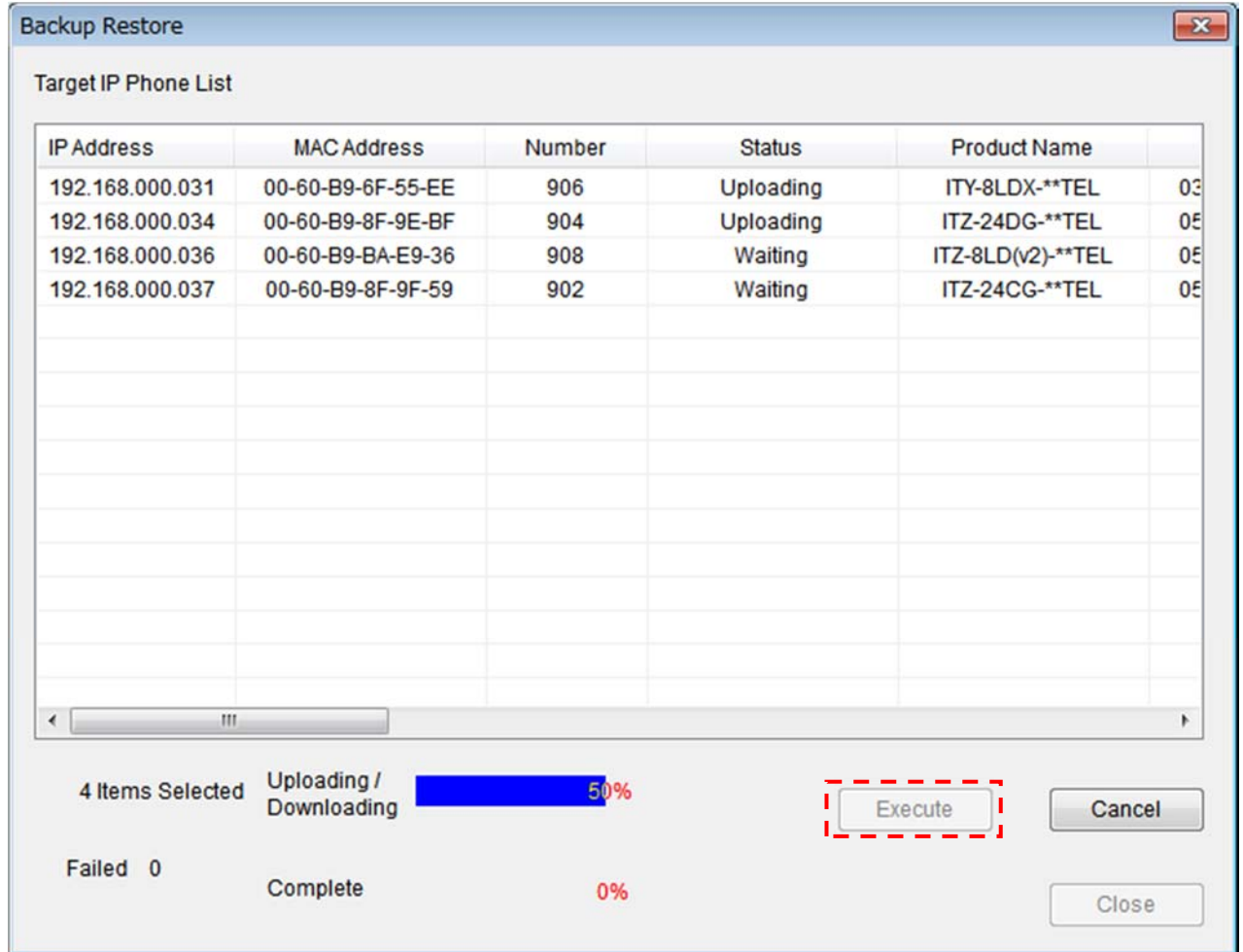
*Step 1.* Select the ip phone you want to back up and select the check box.

*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.



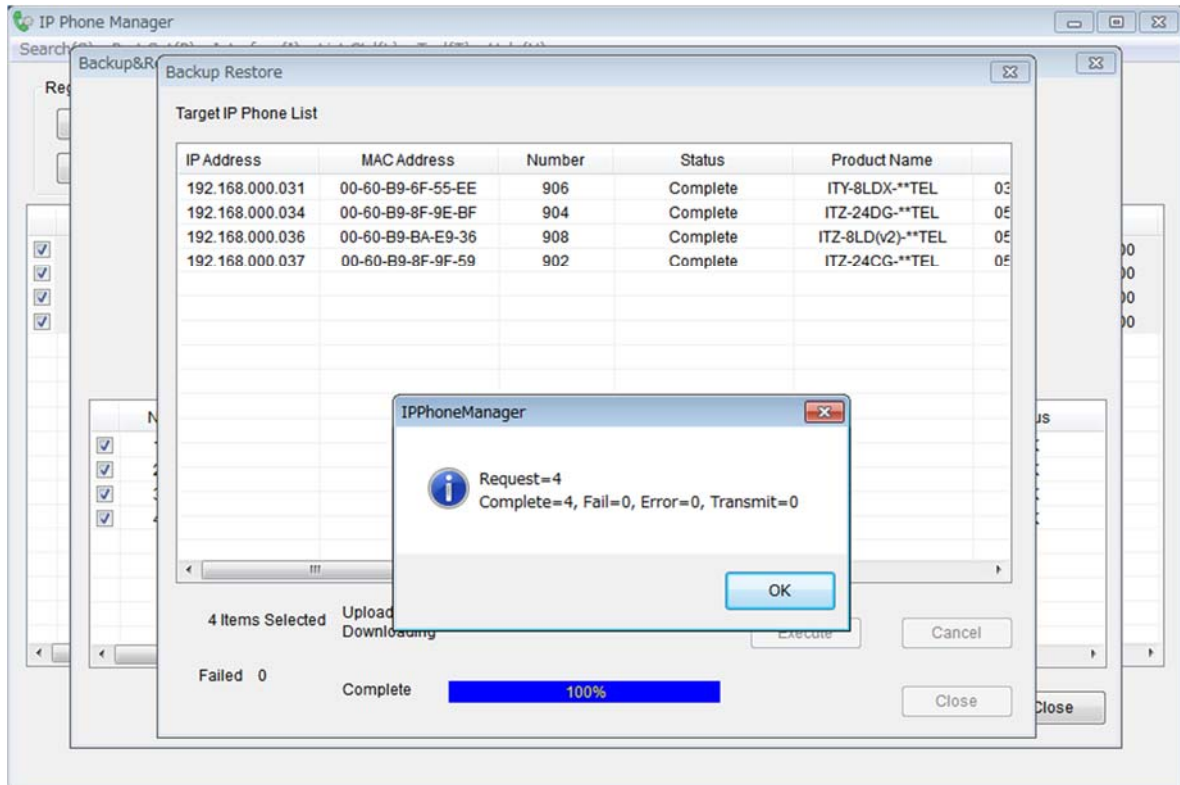
2 backs up are started in the order of the youngest IP Address. For ip phones that have started back up, the status will be "Uploading" and the other ip phones will be "Waiting".

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".

"Uploading/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 File Server's 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 File Server 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.

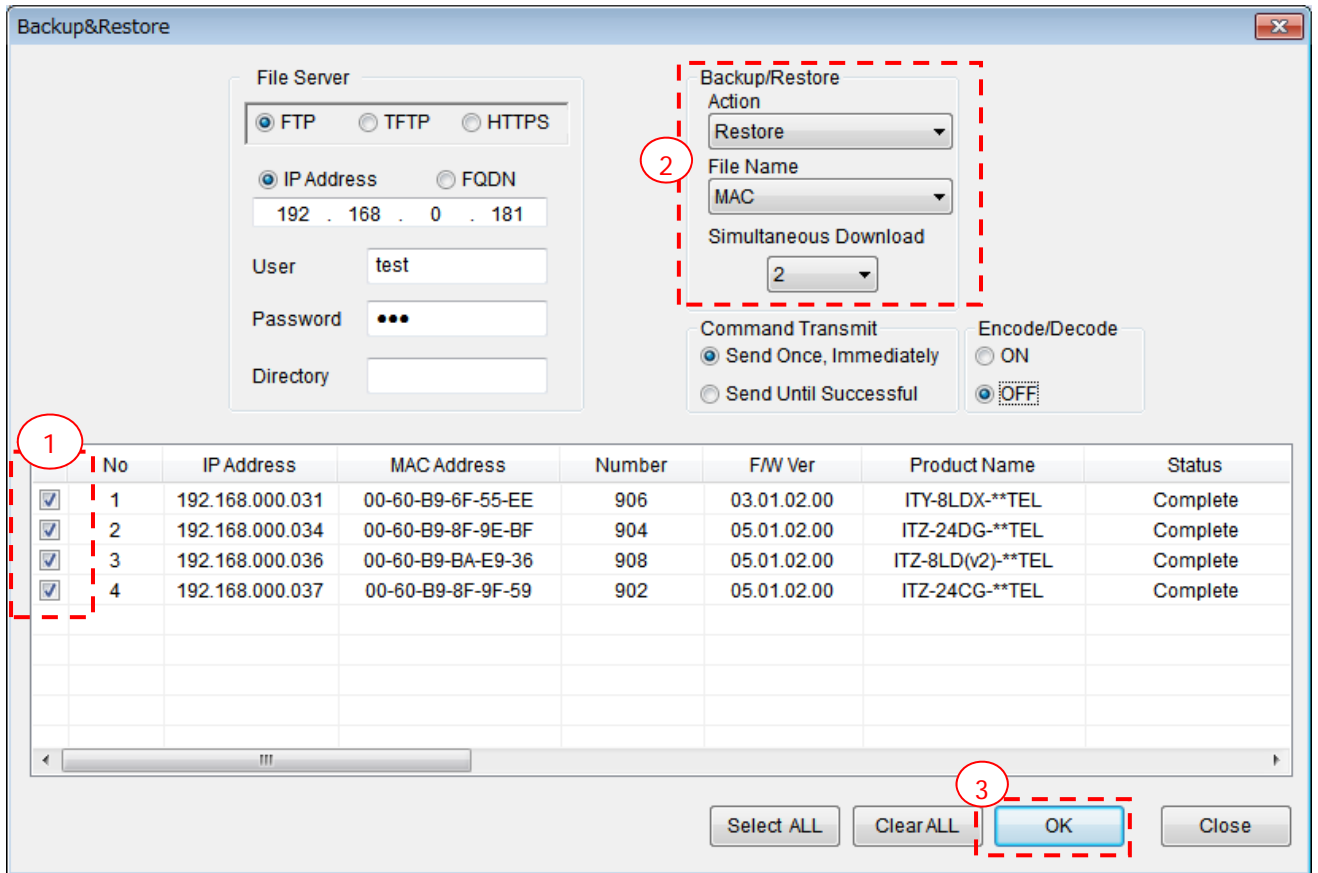
As this may be because the target ip phone is in a call, execute the back up instruction again after a while.

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.



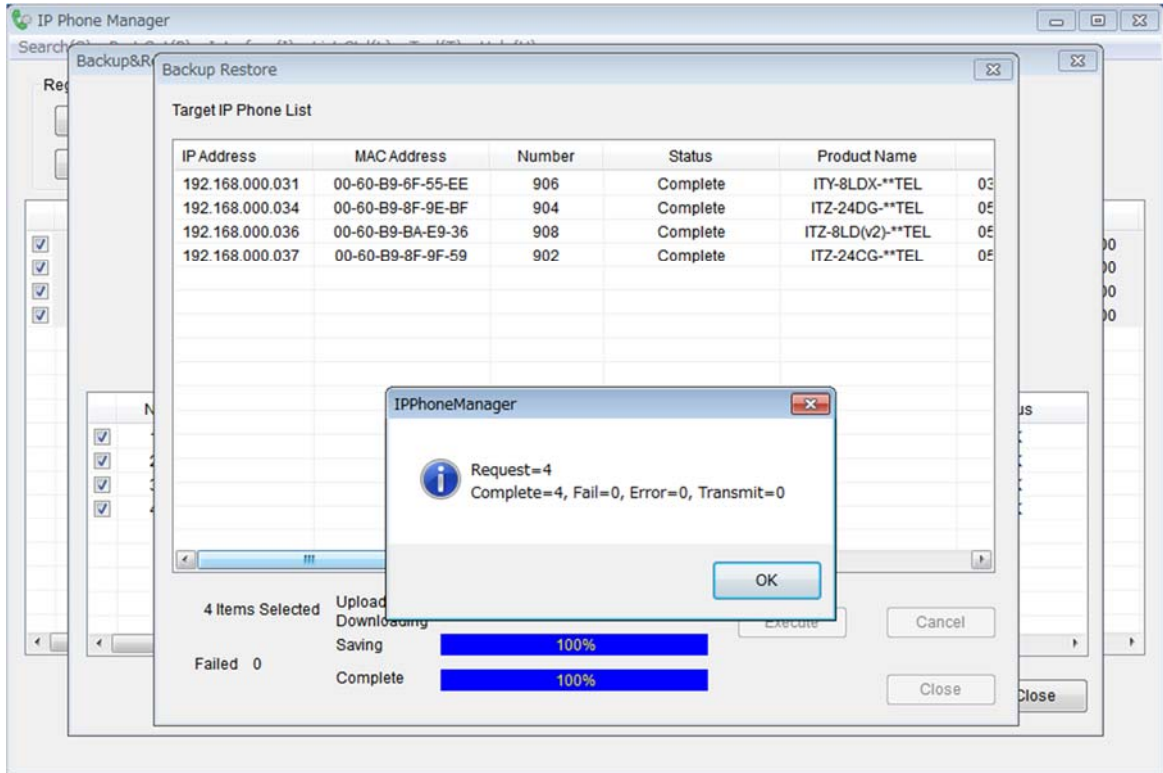
*Step 1.* Select the ip phone you want to restore and select the check box.

*Step 2.* Sets "Action" to "Restore", sets "File Name" to MAC, sets "Simultaneous Download" to "2".

*Step 3.* Click the "OK" button.



When the restore is completed, the result is displayed.

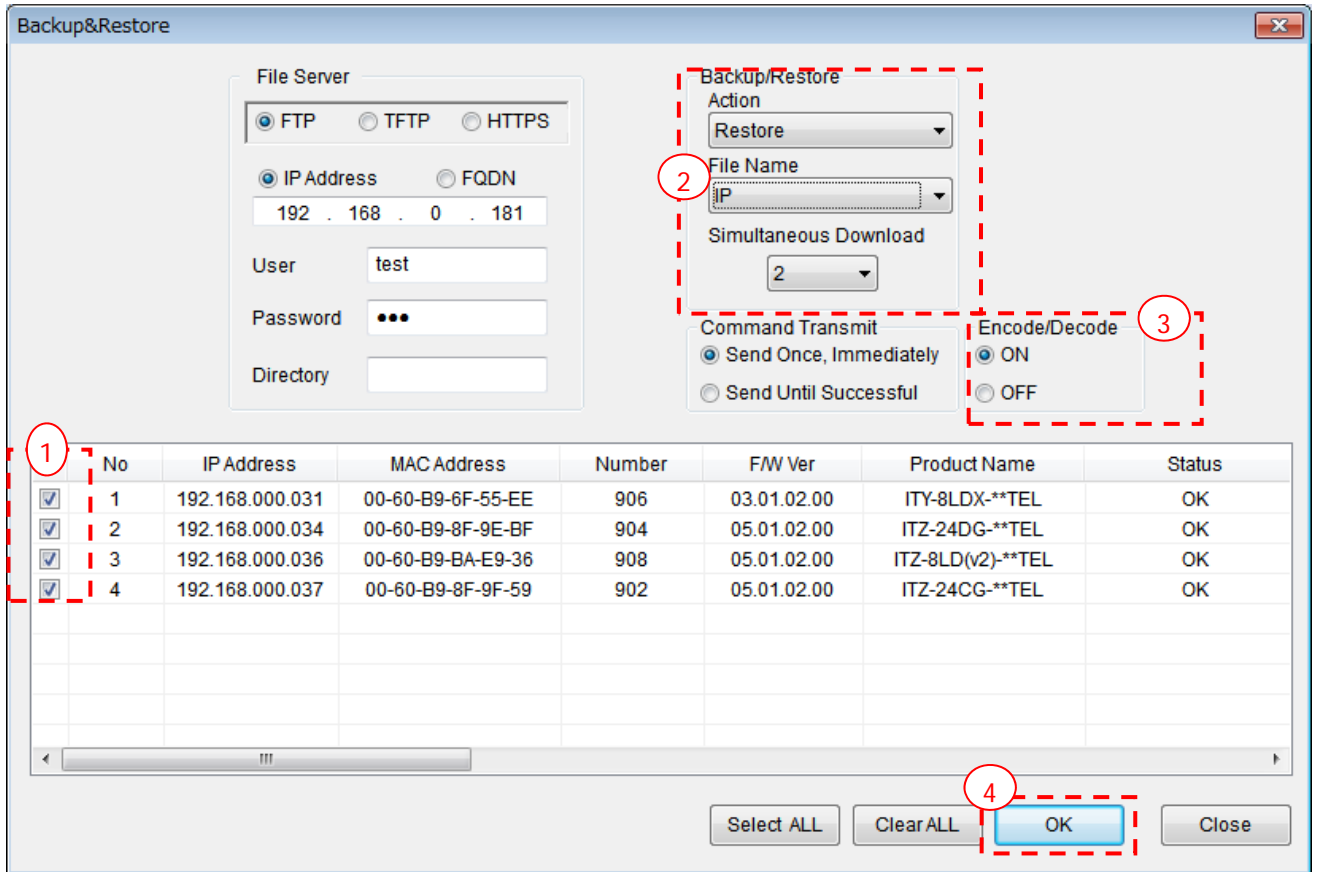


When return to the main screen after displaying the restore result, the status of the ip phone that restored is displayed as "Search Error".

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.

The screenshot shows a window titled "Backup Restore" with a "Target IP Phone List" table. The table has columns for IP Address, MAC Address, Number, Status, and Product Name. Below the table, there are progress indicators for "4 Items Selected" with categories: "Uploading / Downloading" (50%), "Saving" (25%), and "Complete" (0%). There are also buttons for "Execute", "Cancel", and "Close".

| IP Address      | MAC Address       | Number | Status      | Product Name      |
|-----------------|-------------------|--------|-------------|-------------------|
| 192.168.000.031 | 00-60-B9-6F-55-EE | 906    | Downloading | ITY-8LDX-**TEL    |
| 192.168.000.034 | 00-60-B9-8F-9E-BF | 904    | Saving      | ITZ-24DG-**TEL    |
| 192.168.000.036 | 00-60-B9-BA-E9-36 | 908    | Downloading | ITZ-8LD(v2)-**TEL |
| 192.168.000.037 | 00-60-B9-8F-9F-59 | 902    | Waiting     | ITZ-24CG-**TEL    |

4 Items Selected

Uploading / Downloading 50%

Saving 25%

Complete 0%

Failed 0

Execute Cancel Close

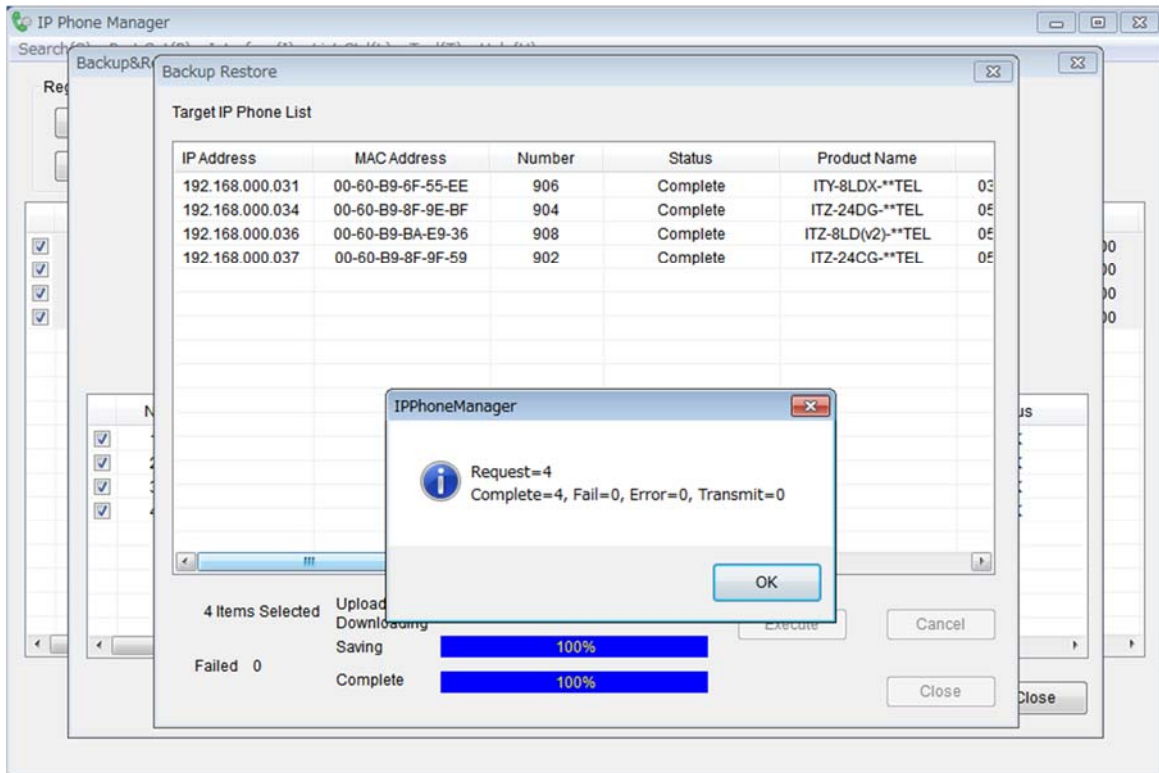
2 restores are started in the order of the youngest IP Address. For ip phones that have started restore, the status will be "Downloading" and the other ip phones will be "Waiting".

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 File Server 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.

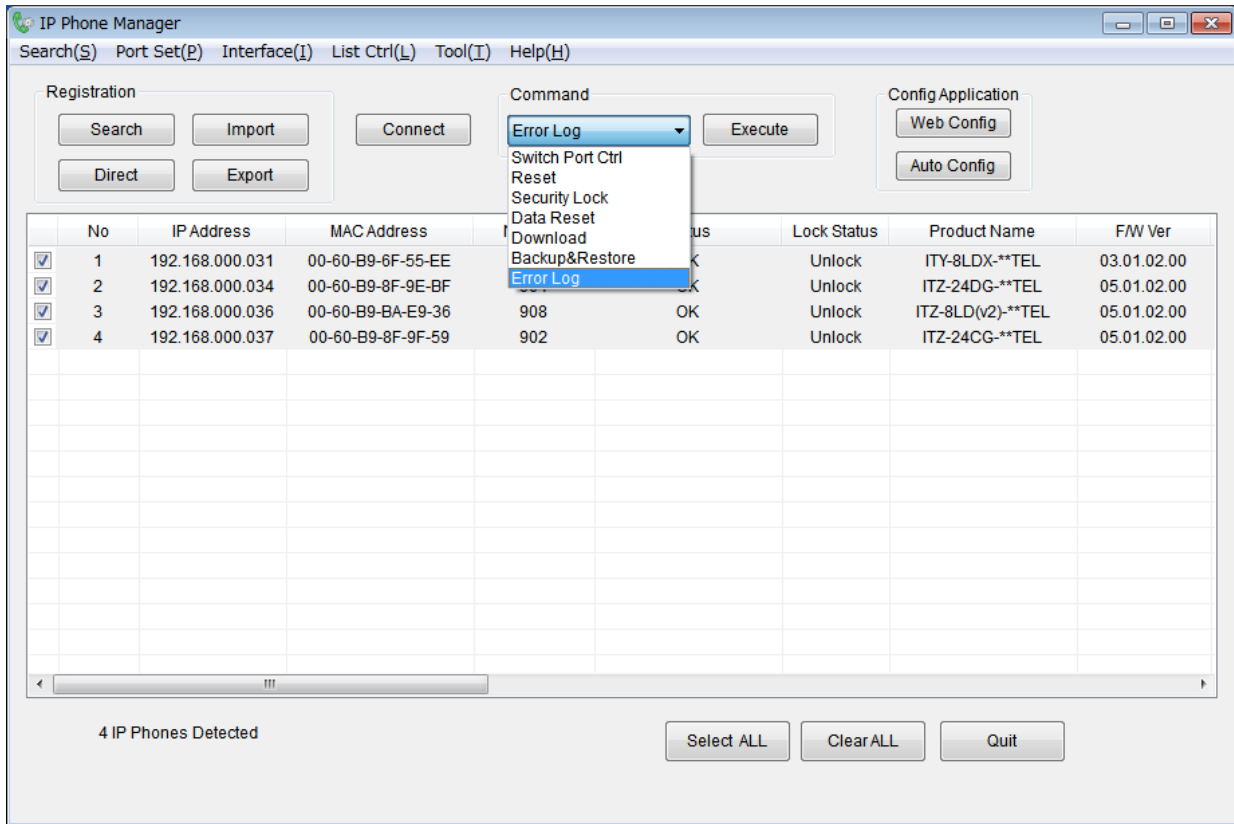
If click the "Cancel" button during the restore instruction execution, the ip phone whose Status is "Waiting" will be "Cancel" and no download instruction will be sent to the ip phone.

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.

The screenshot shows the 'Error Log' configuration window. It is divided into several sections:

- File Server:**
  - Transfer Protocol:  FTP,  TFTP,  HTTPS
  - Address Type:  IP Address,  FQDN
  - IP Address: 192 . 168 . 0 . 181
  - User: test
  - Password: ●●●
  - Directory: (empty)
- Error Log Option:**
  - File Name: MAC
  - Simultaneous Upload: 2
- Command Transmit:**
  - Send Once, Immediately
  - Send Until Successful
- Table:**

| No                                    | IP Address      | MAC Address       | Number | F/W Ver     | Product Name      | Status |
|---------------------------------------|-----------------|-------------------|--------|-------------|-------------------|--------|
| <input checked="" type="checkbox"/> 1 | 192.168.000.031 | 00-60-B9-6F-55-EE | 906    | 03.01.02.00 | ITY-8LDX-**TEL    | OK     |
| <input checked="" type="checkbox"/> 2 | 192.168.000.034 | 00-60-B9-8F-9E-BF | 904    | 05.01.02.00 | ITZ-24DG-**TEL    | OK     |
| <input checked="" type="checkbox"/> 3 | 192.168.000.036 | 00-60-B9-BA-E9-36 | 908    | 05.01.02.00 | ITZ-8LD(v2)-**TEL | OK     |
| <input checked="" type="checkbox"/> 4 | 192.168.000.037 | 00-60-B9-8F-9F-59 | 902    | 05.01.02.00 | ITZ-24CG-**TEL    | OK     |

➤ 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 directory 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

DT930CG terminal (A terminal F/W ver 1.0.0.0 or later)

DT920(6D/12D)/DT920(8LCX)/DT930G(8TCGX) terminal (A terminal F/W ver 2.1.0.0 or later)

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.

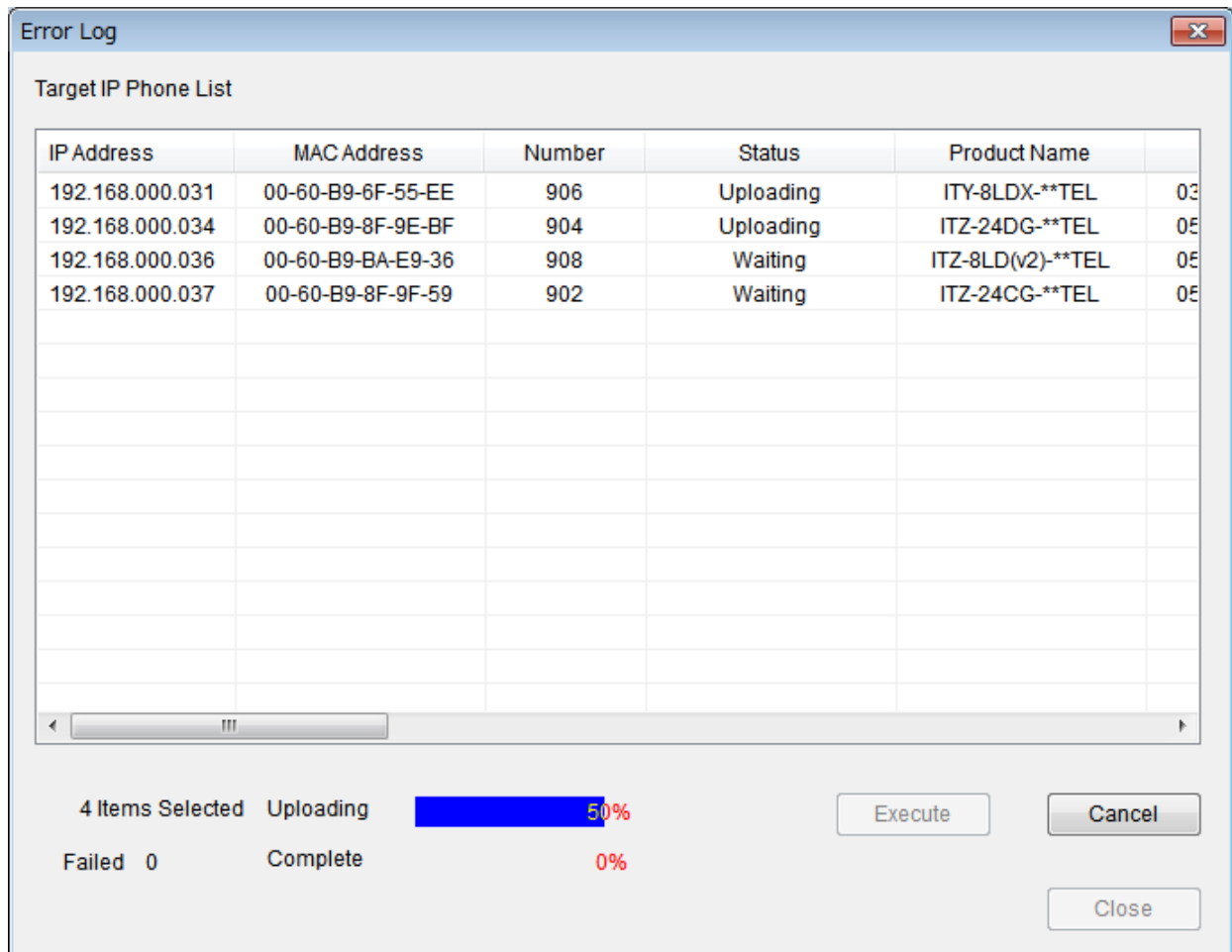
4.5.7.1. An example of Error Log upload (when MAC is selected to File Name)

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.

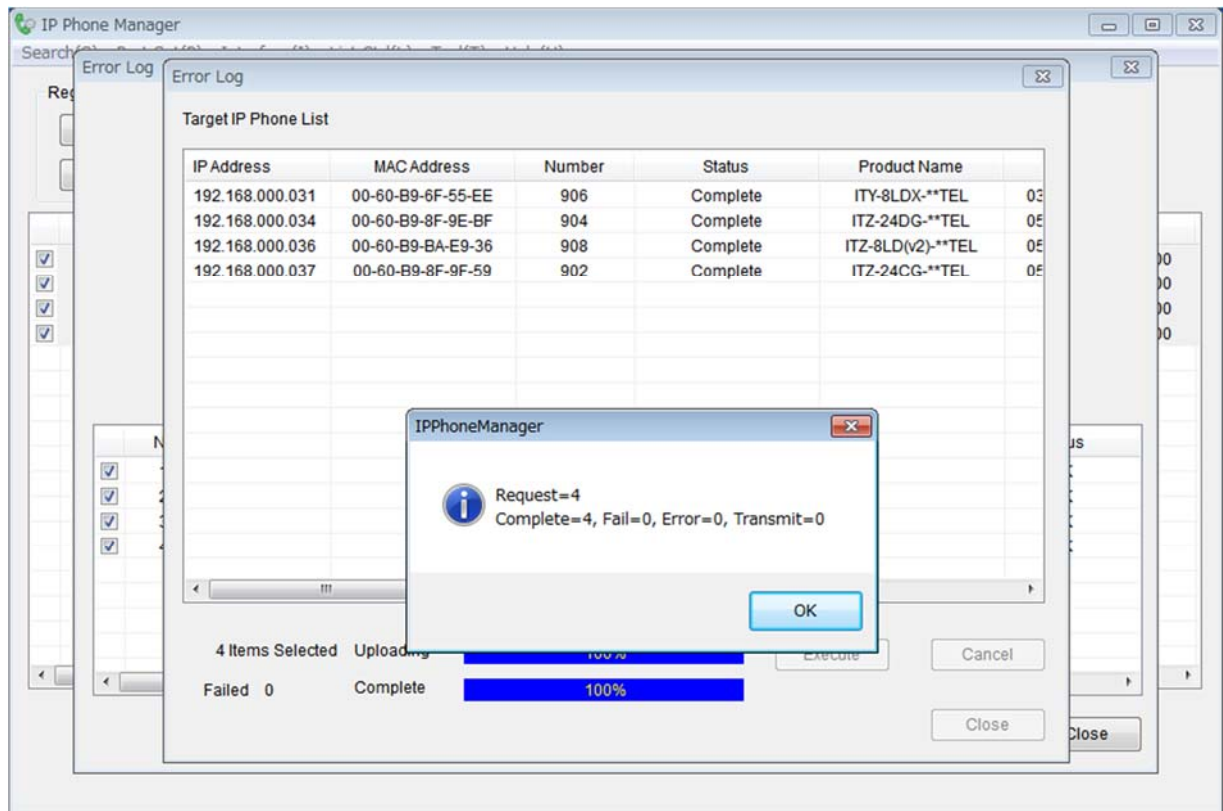


2 uploads are started in the order of the youngest IP Address. For ip phones that have started uploads, the status will be "Uploading" and the other ip phones will be "Waiting".

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 File Server 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.

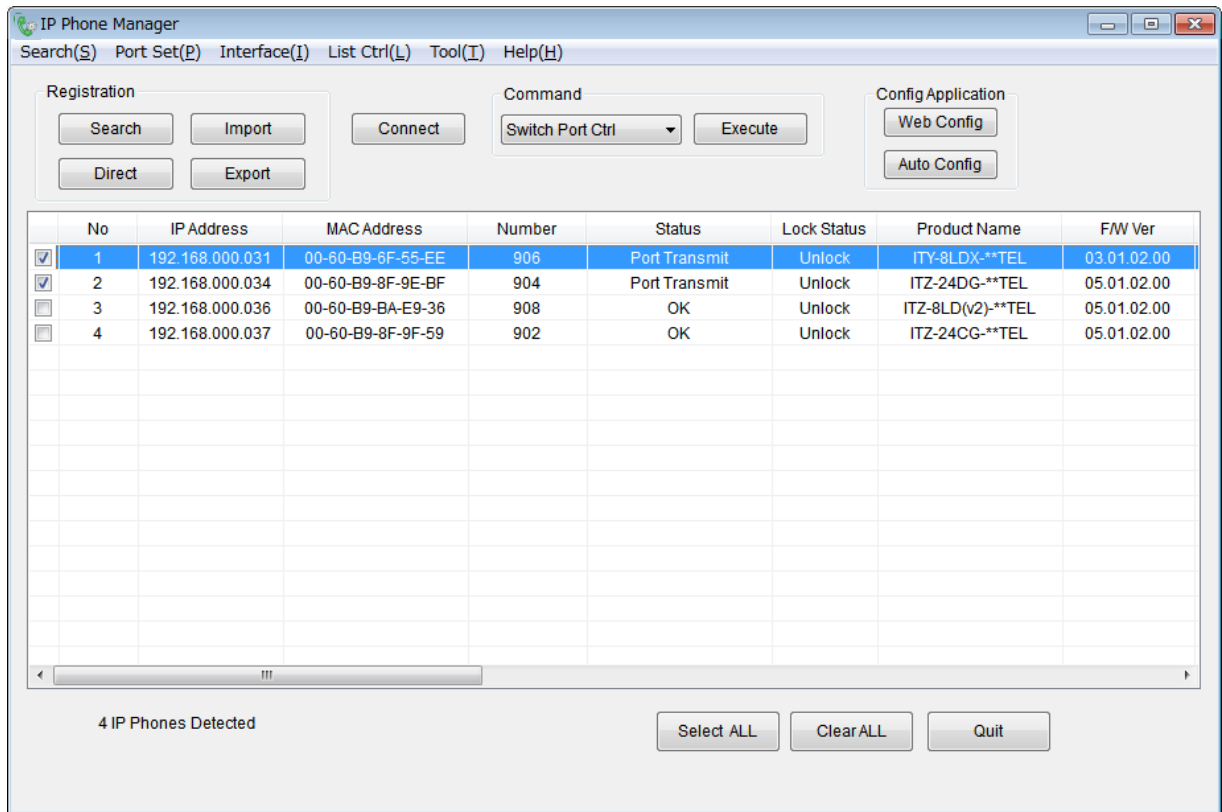
If click the "Cancel" button during ErrorLog upload instruction execution, the ip phone whose Status is "Waiting" will be "Cancel" and no ErrorLog upload instruction will be sent to the ip phone.

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



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

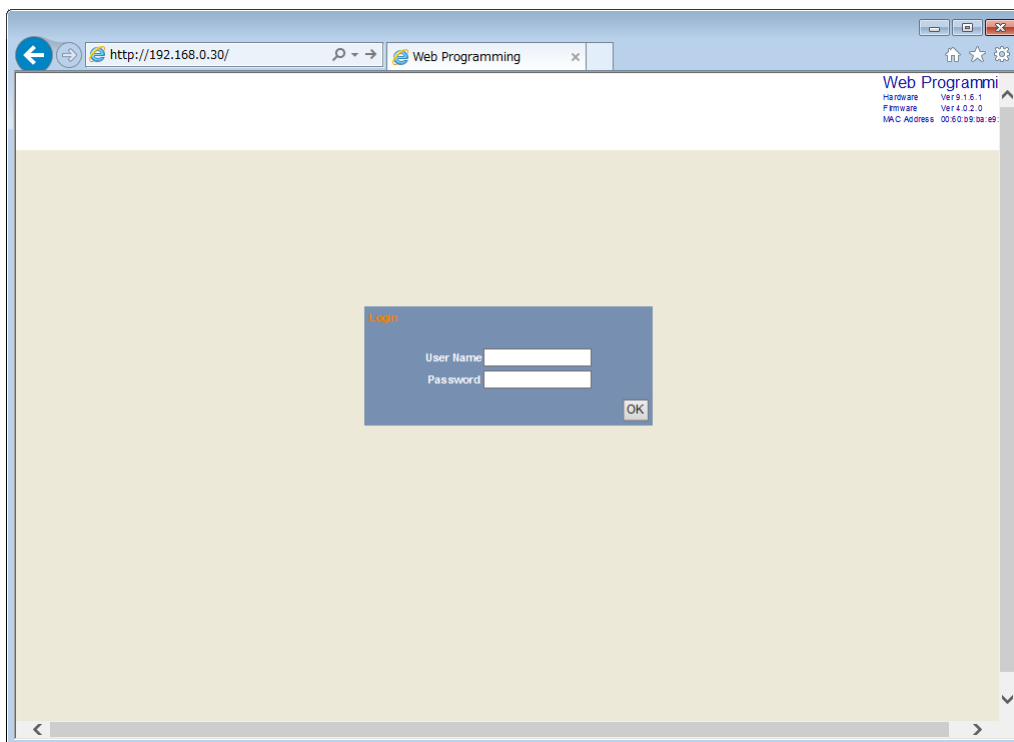
The IP Phone Manager can connect to the ip phone and display the Web Programming screen.

- \* IPterm85K terminals can not use this function.
- \* When launching from IP Phone Manager, it will be HTTP connection even if it supports Web programming of HTTPS.

Select the IP phone you want to connect to the Web Programming from 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 "DT900 Series" radio button, and click "OK" to launch "Config Setup APL 5" which can create ConfigData for DT920(6D/12D)/DT920(8LCX)/DT930CG/DT930G(8TCGX) terminals.

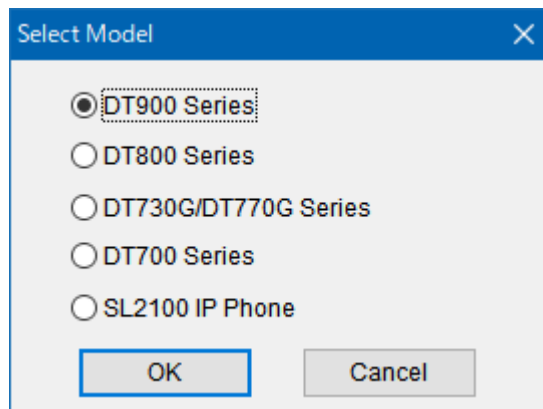
On the Select Model screen, select the "DT800 Series" radio button, and click "OK" to launch "Config Setup APL 3" which can create ConfigData for DT820/DT830/DT830DG/DT830CG terminals.

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 if you 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. This application 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.<br>* 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 Backup transmission has been reserved. *2  |
|                       | Restore 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     |  |
| Restore 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.   |
|                       | PortCtrl 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<br>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                               |
| Backup&Restore screen<br>Error Log screen | Canceled               | Download canceled.  |
|   | 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.       |   |

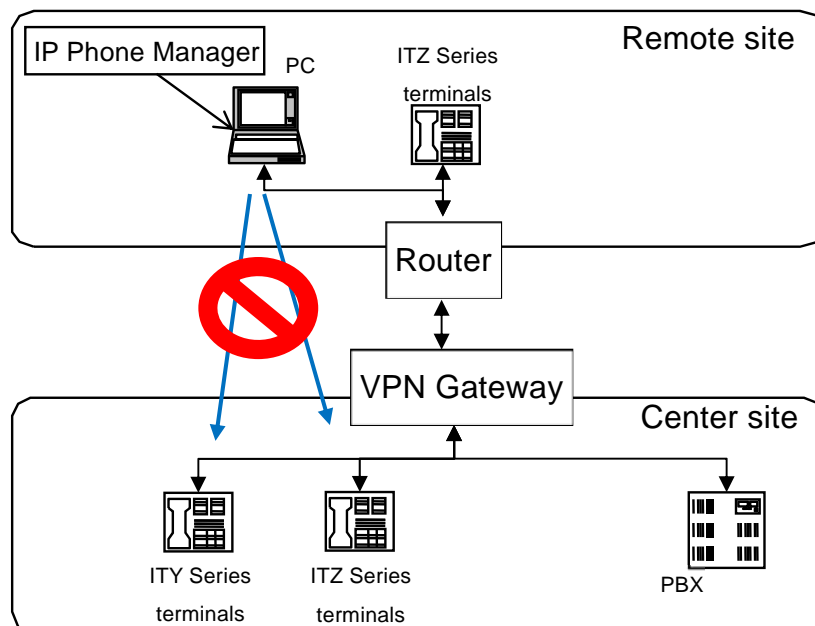
\*1 The IP Phone Manager checks the status of logged in phones once every thirty minutes.  
A health check failure indicates that the remote control can not be received because the response has not been returned from the ip phone at the time of confirming the status. To remotely instruct again please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

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

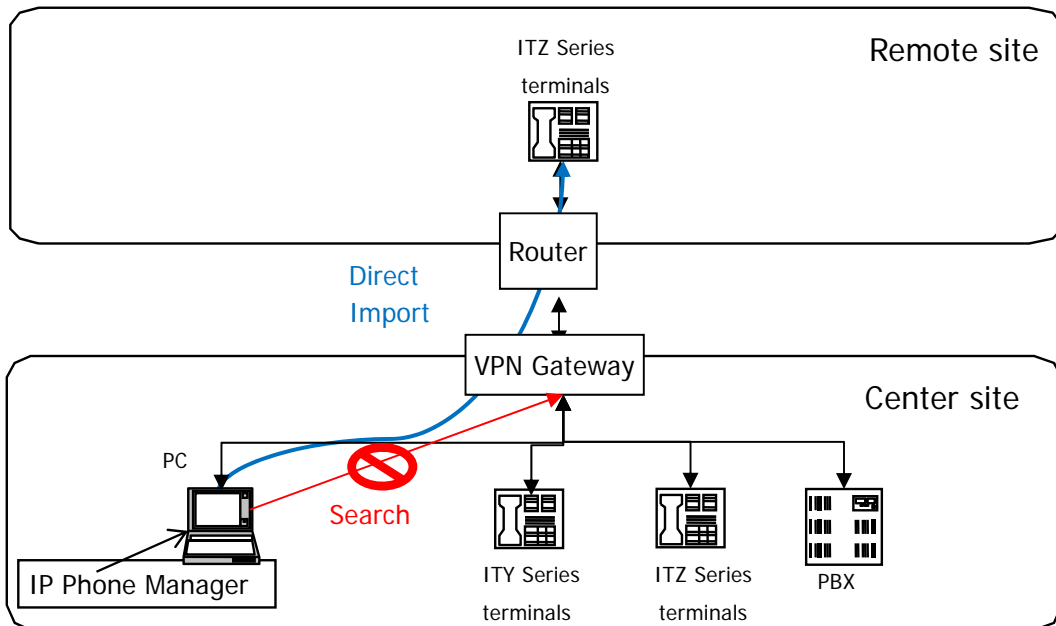
## 6. Notes

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 Manager 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.

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# **IP Phone Manager**

User's Manual