



Offline Web Admin

Table Of Contents

1. Offline Web Admin	1-1
1.1 General	1-1
1.1.1 PC/Browser	1-1
1.1.2 Web Browser setting.....	1-1
1.2 Offline Web Admin Operation.....	1-2
1.2.1 Install Program	1-2
1.2.2 Remove Program	1-7
1.2.3 Start Offline Web Admin.....	1-9
1.2.3.1 Configuration	1-10
1.2.3.2 Start Offline Web Admin Service.....	1-11
1.2.3.3 Stop Offline Web Admin Service	1-13
1.2.3.4 Save DataBase.....	1-14
1.2.3.5 Delete Password	1-15
1.2.3.6 Offline Web Admin Data Modification.....	1-16
1.2.4 Add Devices.....	1-17
1.2.5 Edit System Speed Dial	1-20
1.2.5.1 Clear Speed Data	1-21
1.2.5.2 Change Speed Range.....	1-21
1.2.5.3 Load From DB	1-23
1.2.5.4 Save to DB	1-23
1.2.5.5 Load From Excel	1-24
1.2.5.6 Save to Excel.....	1-24
1.2.6 Edit Networking Table	1-25
1.2.6.1 Clear Networking Data	1-26
1.2.6.2 Load From DB	1-27
1.2.6.3 Save to DB	1-27
1.2.6.4 Load From Excel	1-28
1.2.6.5 Save to Excel.....	1-28
1.2.7 DB Capacity Expansion	1-29

1. OFFLINE WEB ADMIN

1.1 GENERAL

The Database of iPECS can be configured using the Offline Web Admin service. The Offline Web Admin provides same functions as the Online Web Admin service so that the database in the system can be managed in user-friendly environment using MS Internet Explorer. In addition, Speed Dial data can be modified and imported from the excel file.

1.1.1 PC/Browser

- MS Internet Explore 5.5 or higher is recommended.
- MS Windows2000 or WindowsXP is recommended.
- 64MB or more RAM is recommended.
- NIC (Network Interface Card).

1.1.2 Web Browser setting

Web browsers may store (cache) a copy of the iPECS Offline Web pages into a cache memory. The Web browser may use these copies to provide a “quick view”. If the Web page has been altered by data entered in Station Admin or a file upgrade, the copy will be out-of-date and could cause unexpected system operation. To assure proper page views and data entry, the browser can be set to eliminate the use of the cached pages.

- Run MS Internet Explore in your PC and click “Tool”
- Click “Internet Options”

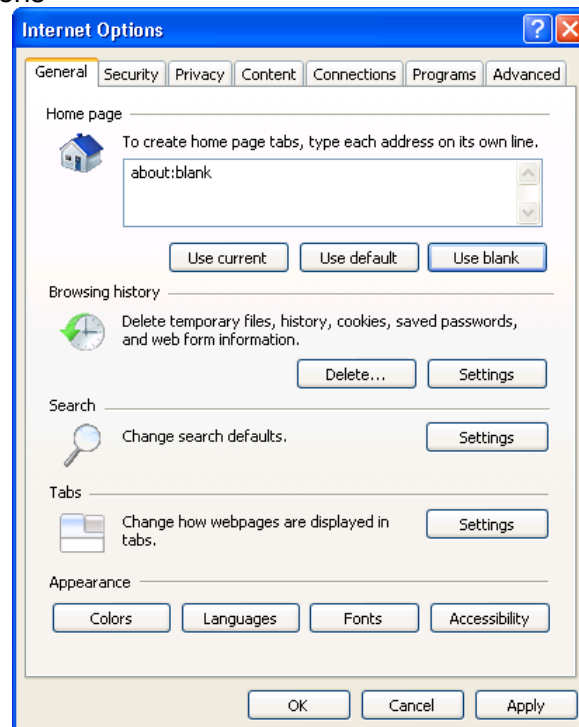


Figure 1.1-1 MS Internet Explore Options General Menu

- Click “Settings” in Temporary Internet files

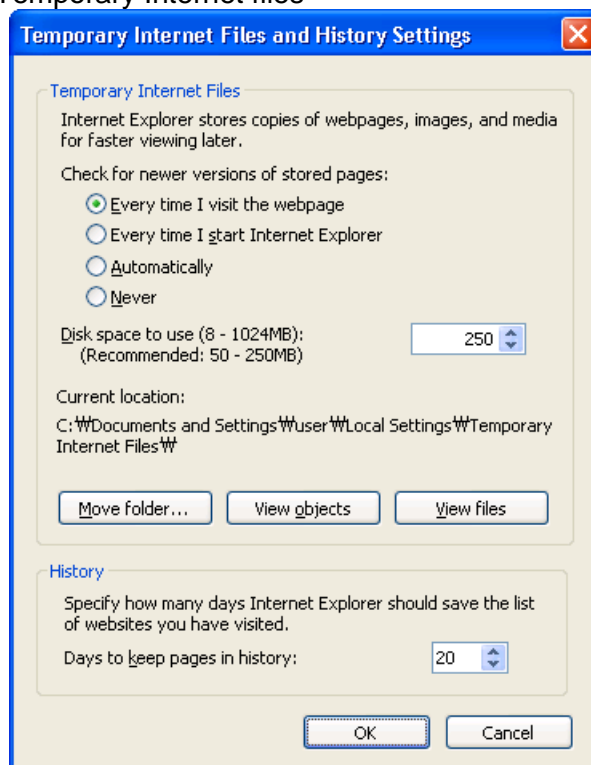


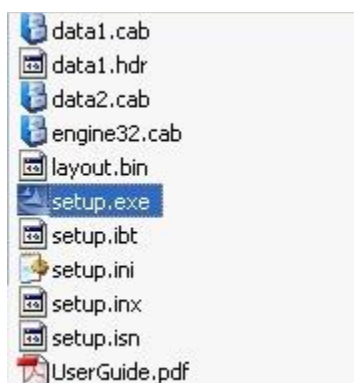
Figure 1.1-2 MS Internet Explore Settings Menu

- Check “Every visit to the page” and click “OK”

1.2 OFFLINE WEB ADMIN OPERATION

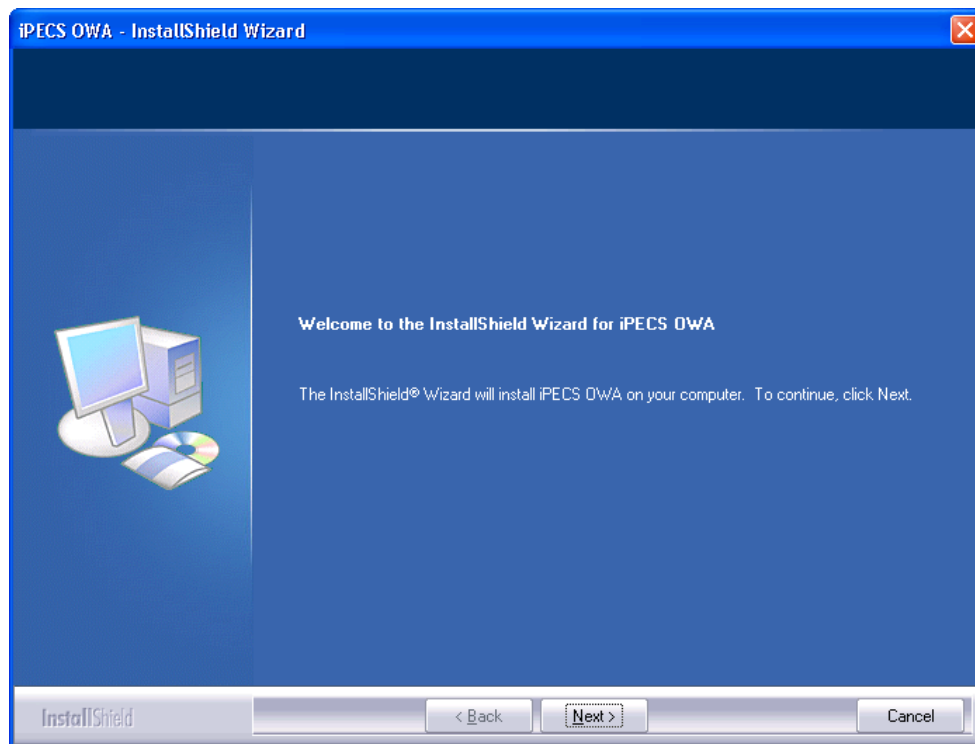
1.2.1 Install Program

The following file will be located in the Installation directory.



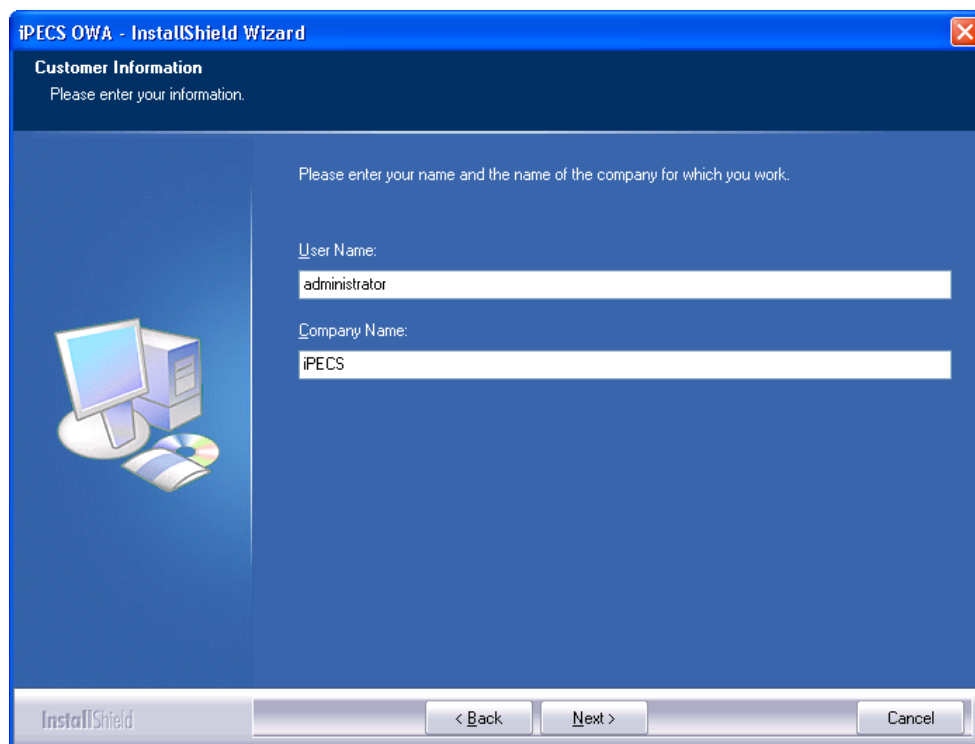
- Click “setup.exe” file for starting install sequences.

Step 1. Welcome Window.



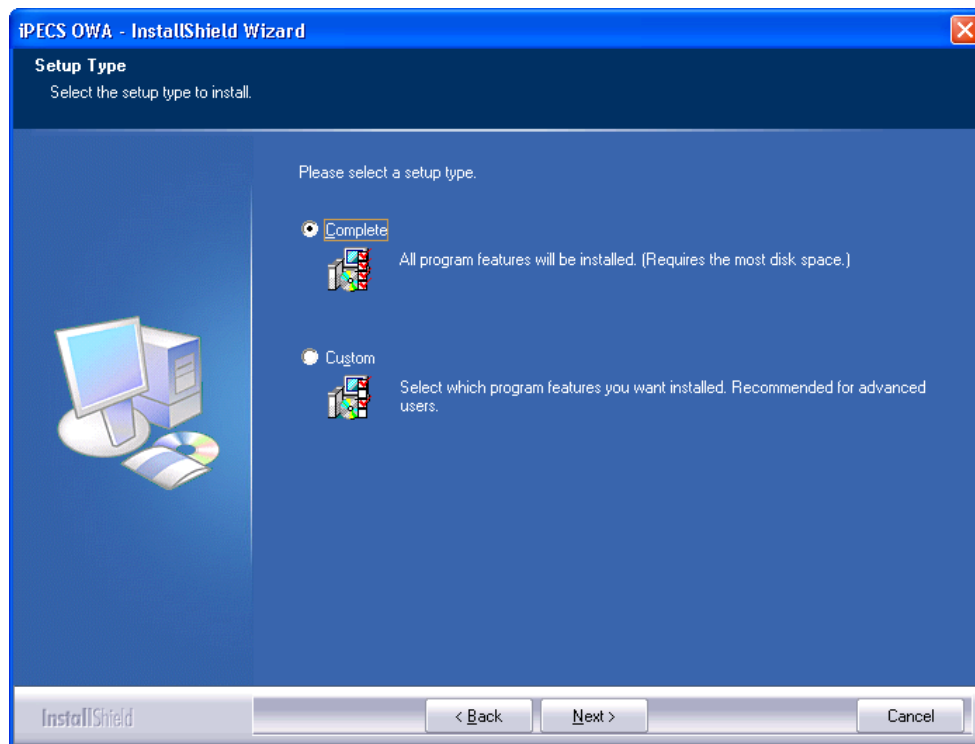
Click "Next"

Step 2. Customer Information Window



- Enter User name and Company Name and Click “Next”

Step 3. Select Install Directory Configuration.

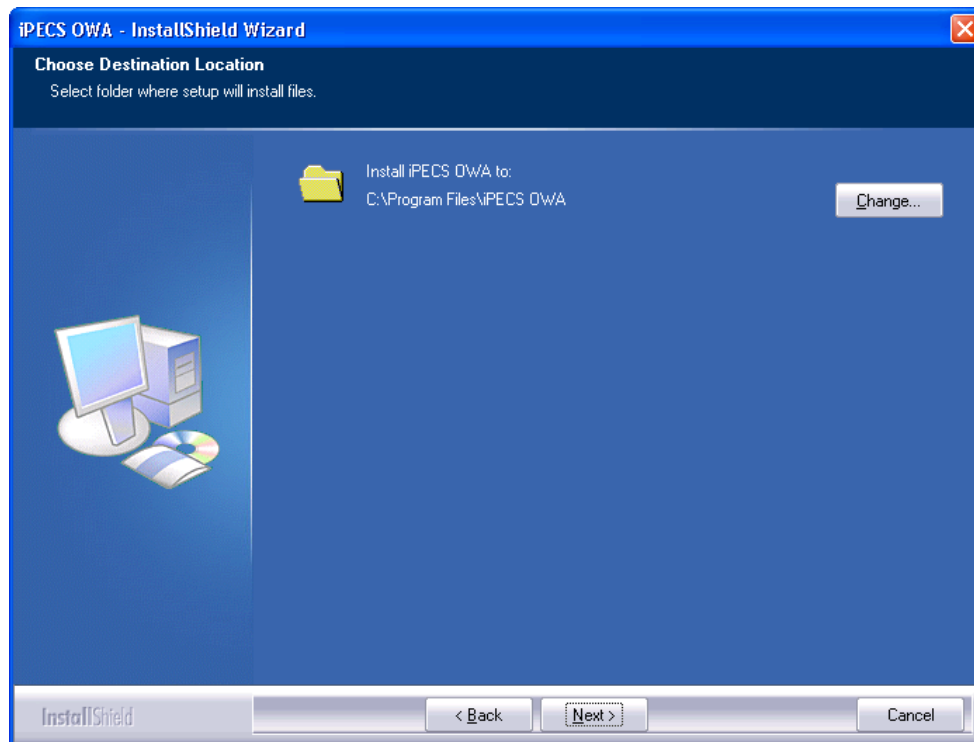


Complete: Offline Web Admin program will be installed default directory

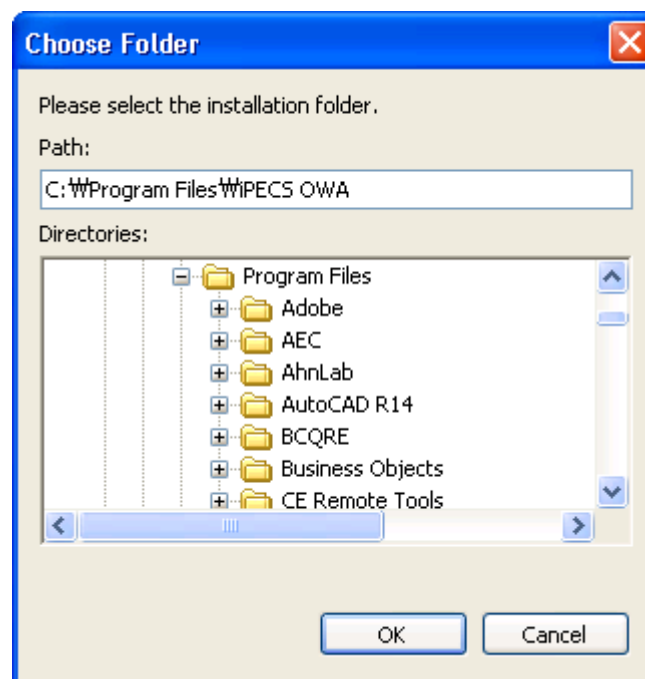
→ C:\Program Files\iPECS OWA

Select: User can Select Install Directory.

Step 3.1 Select Install Directory (if user selected “Select” in Step 3)

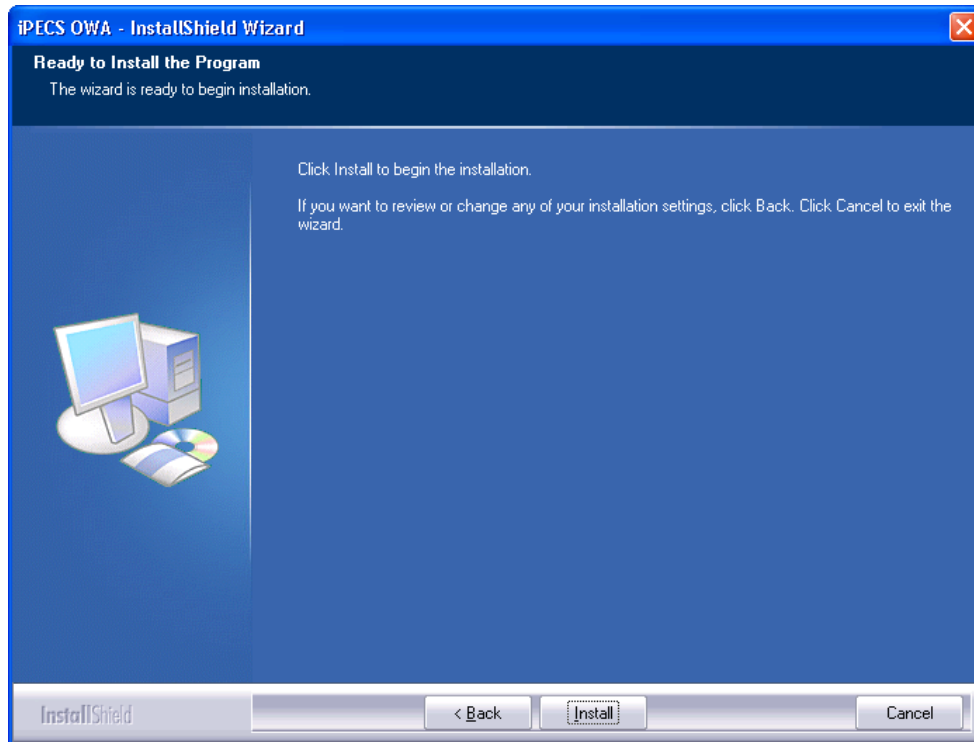


- If you want to change install directory, click “Change”



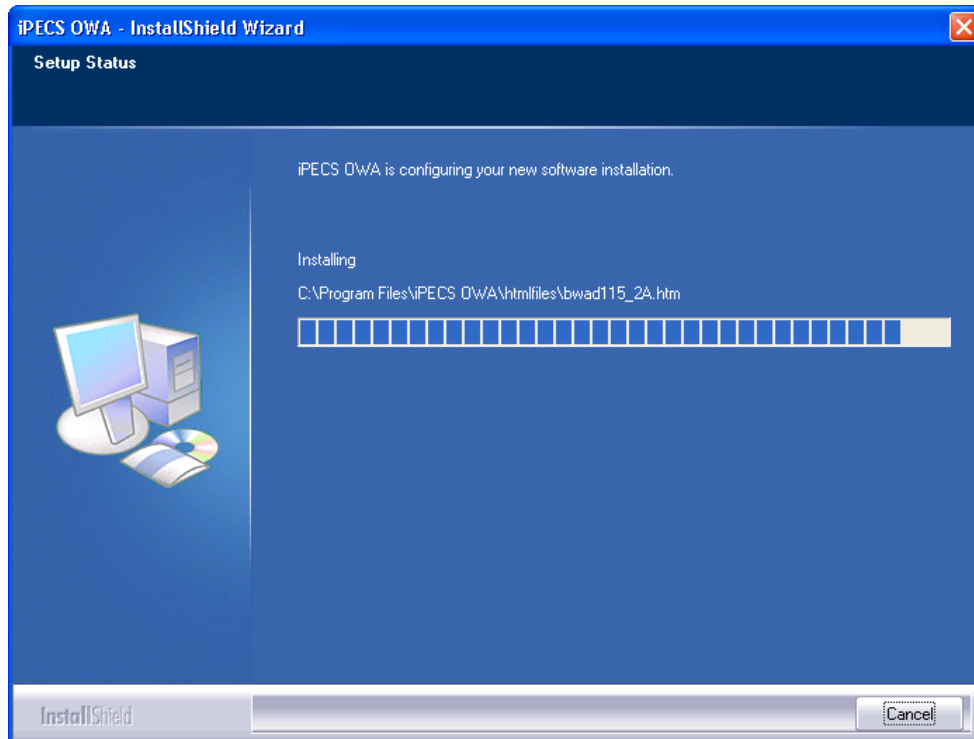
- Select Directory and Click “OK”, user can see install directory is changed selected directory, and then click “Next”

Step 4. Install Start

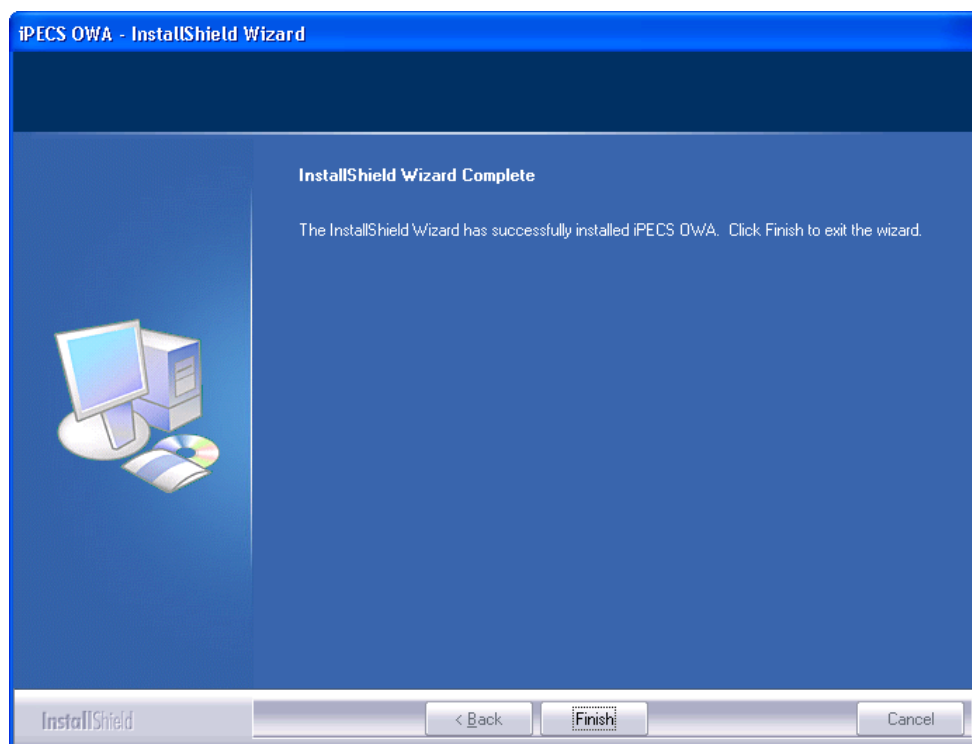


- Install configurations are okay, click "Install".

Step 5. Install Start



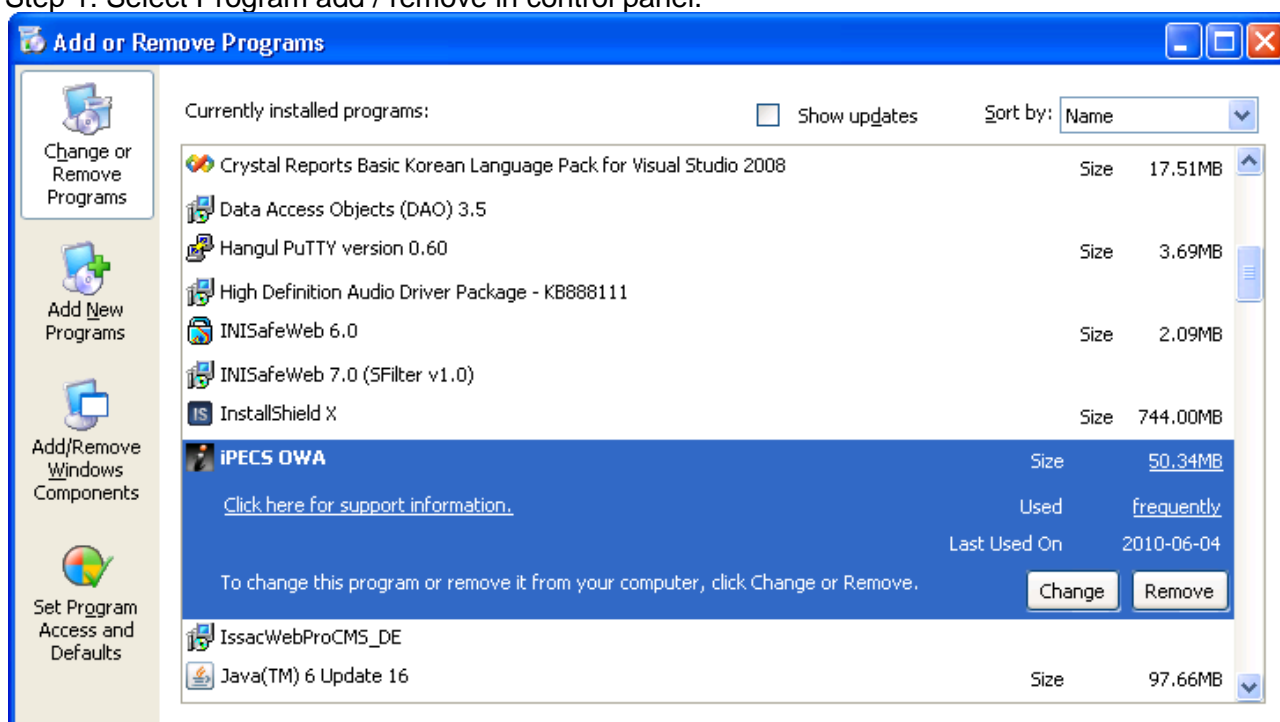
Step 6. End of install program



- Click “Finish”

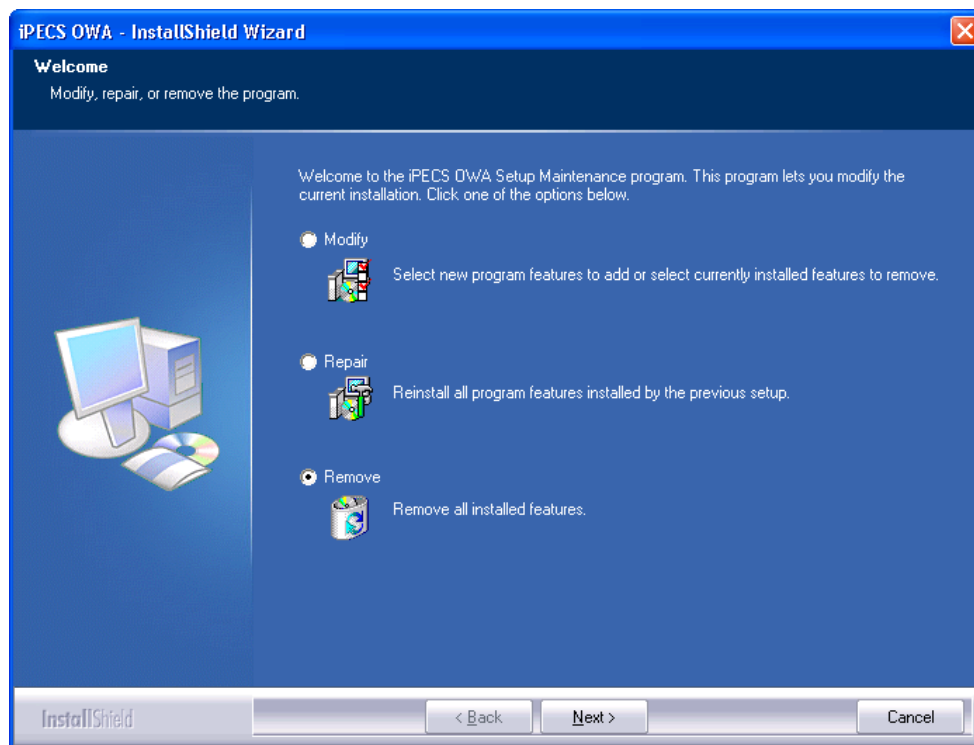
1.2.2 Remove Program

Step 1. Select Program add / remove in control panel.



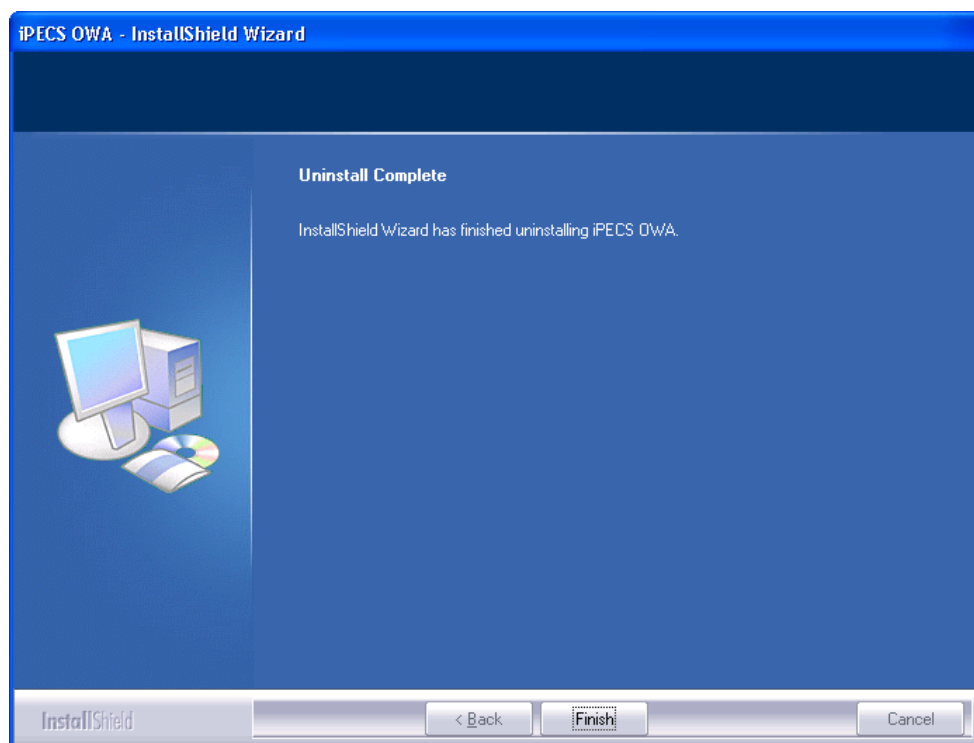
- Select “iPECSOffAdm” and Click “Change/Remove”

Step 2. Select Option



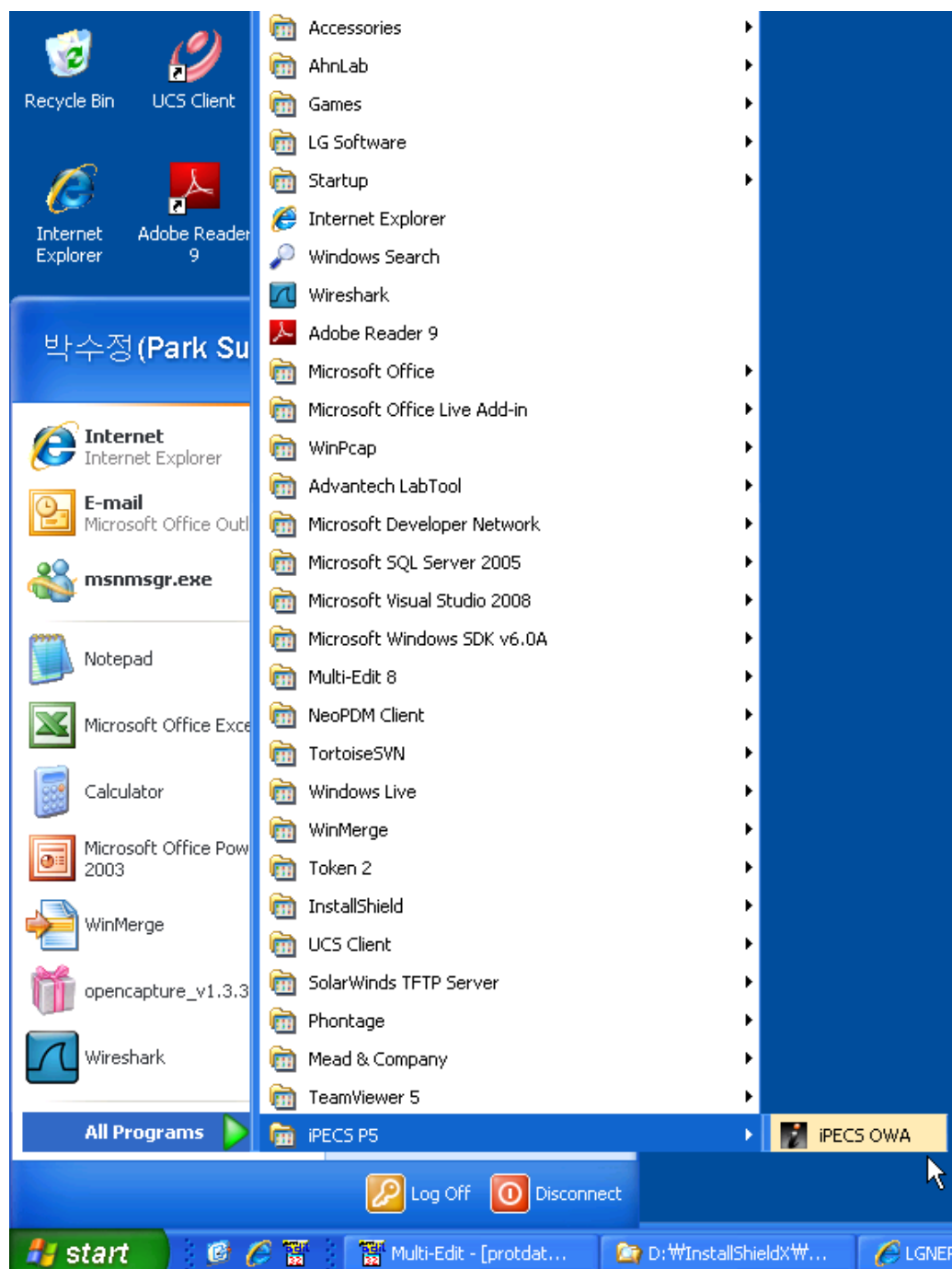
- Select “Remove” and Click “Next”

Step 3. Complete

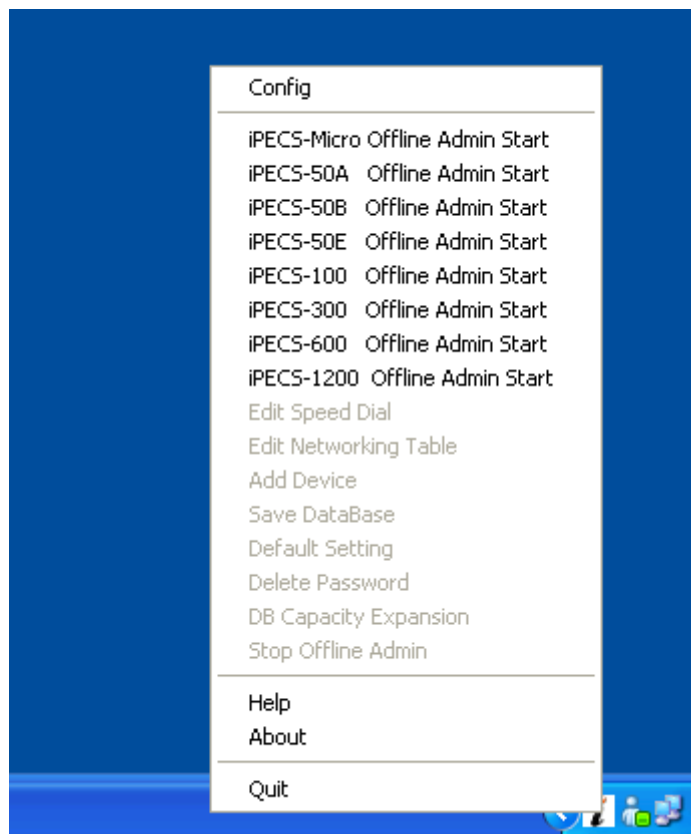


1.2.3 Start Offline Web Admin

To start Offline Web Admin program, click 'iPECSOffAdm' in "iPECS P5" menu as below figure.



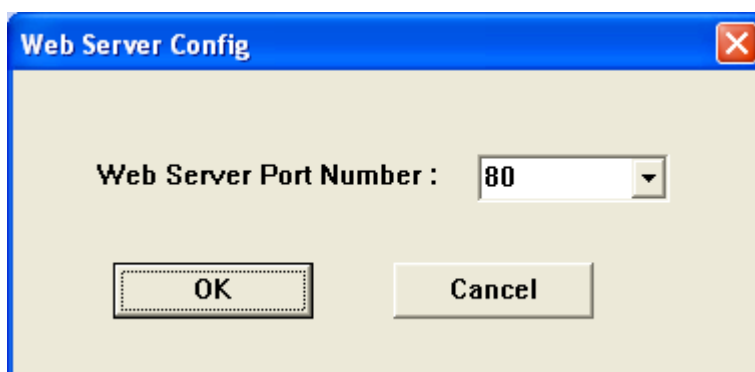
- If a user click "iPECSOffAdm", Offline System tray icon will be located at the left bottom of screen.
- Click Left or Right button on the Offline System tray icon, User can see the following Offline Web Admin Menus.



1.2.3.1 Configuration

The Offline Web Admin has one configuration item, which is HTTP server port number for Offline Web Admin. There are two selections. One is "80" (default value), the other is "8080".

- Click "Config"



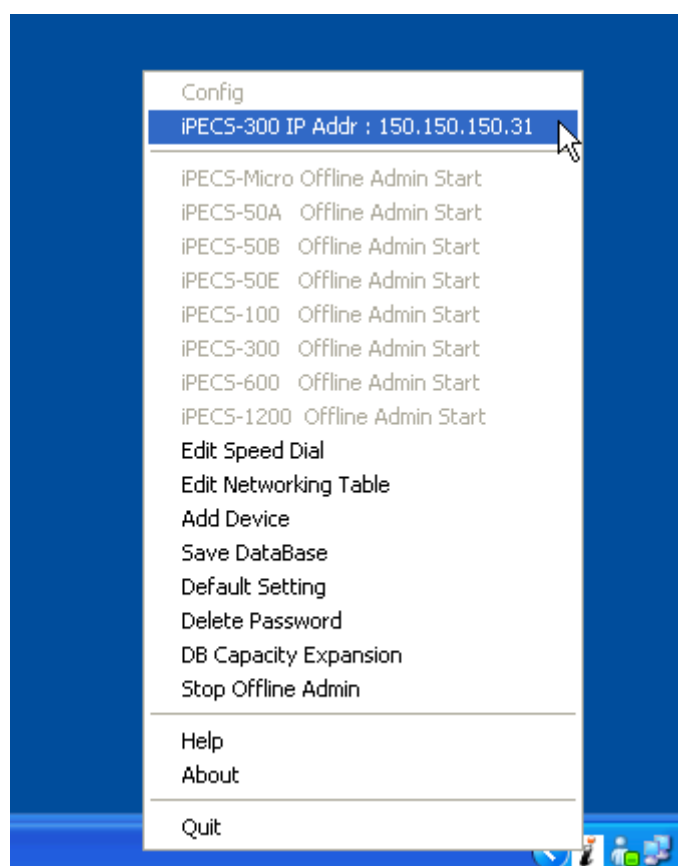
If a port number is selected once, it is saved to windows registry so that the Offline Web Admin will be started with the saved port number from next access.

1.2.3.2 Start Offline Web Admin Service

The iPECS system has eight systems. There is “iPECS-Micro”, “iPECS-50A”, “iPECS-50B”, “iPECS-50E”, “iPECS-100”, “iPECS-300”, “iPECS-600” and “iPECS-1200”.

- iPECS-Micro → click “iPECS-Micro Offline Admin Start”
- iPECS-50A → click “iPECS-50A Offline Admin Start”
- iPECS-50B → click “iPECS-50B Offline Admin Start”
- iPECS-50E → click “iPECS-50E Offline Admin Start”
- iPECS-100 → click “iPECS-100 Offline Admin Start”
- iPECS-300 → click “iPECS-300 Offline Admin Start”
- iPECS-600 → click “iPECS-600 Offline Admin Start”
- iPECS-1200 → click “iPECS-1200 Offline Admin Start”

If the Offline Admin is started successfully and a user clicks the Offline Web Admin tray icon, the following menu will be displayed.

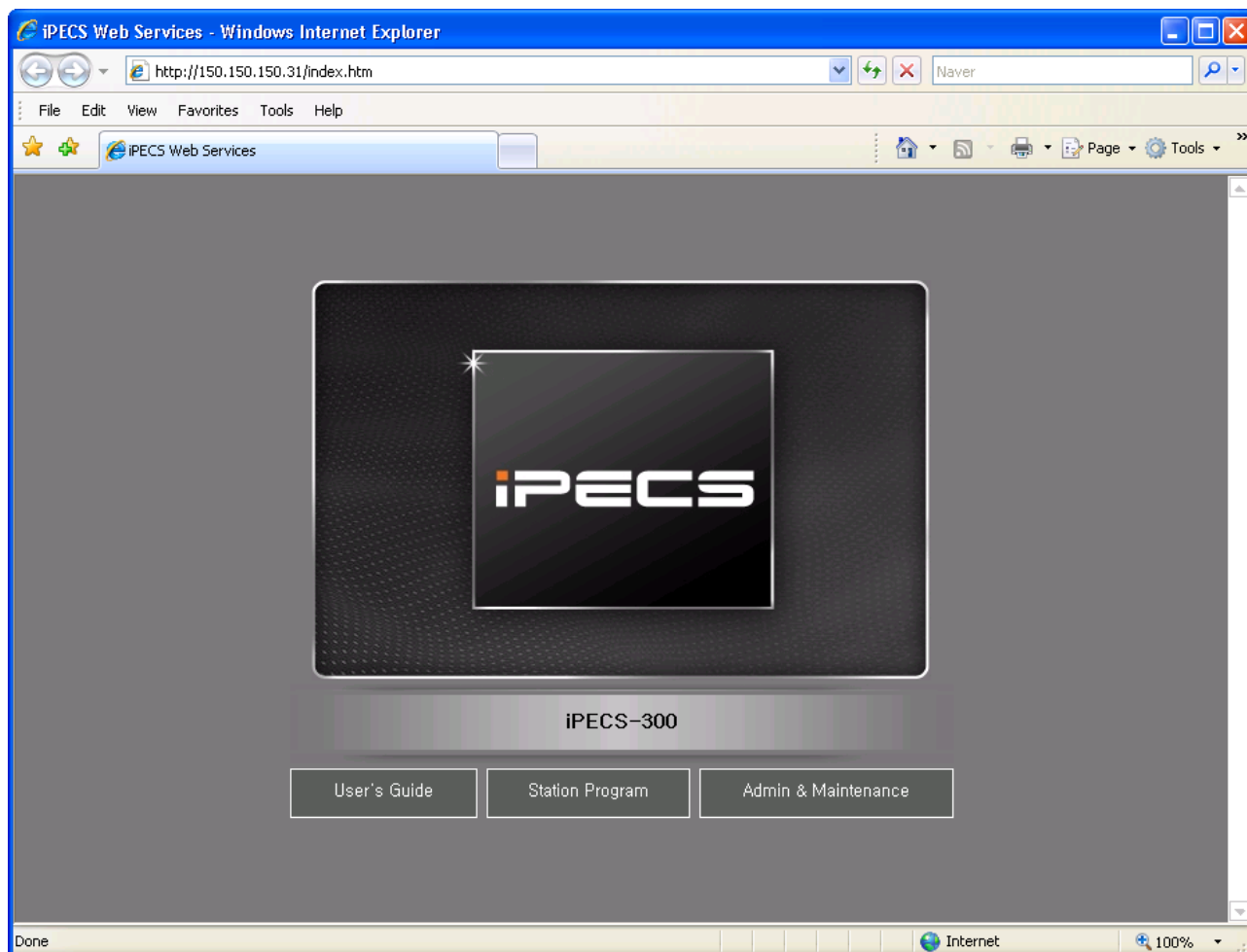


In the above picture, “iPECS-300 IP Addr : 150.150.150.31” means the iPECS-300 Offline Web Admin can be started with User PC’s IP address (150.150.150.31) and port number (80). To start the Offline Web Admin, just click “iPECS-300 IP Addr : 150.150.150.31”, then the following MS Explorer will be displayed.

iPECS Release 5

Offline Web Admin

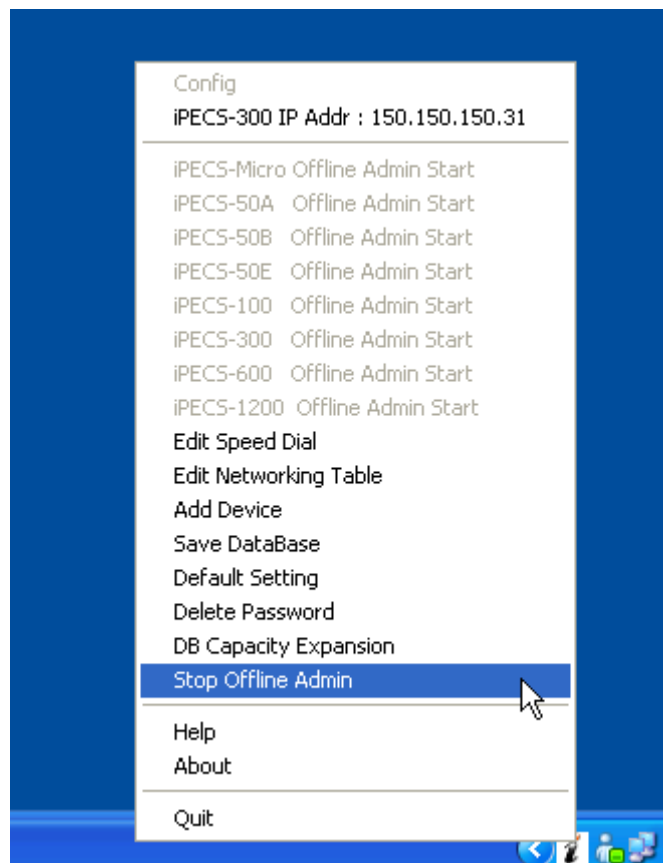
Issue 1.0



1.2.3.3 Stop Offline Web Admin Service

There are two methods to stop the Offline Web Admin. One is to click “Stop Offline Admin” for just stopping the Offline Web Admin service, after a while, user can restart the Offline Web Service again. The other is to click “Quit” for leaving the Offline Web Admin Program.

If a user clicks “Stop Offline Admin,” user can start offline server again.

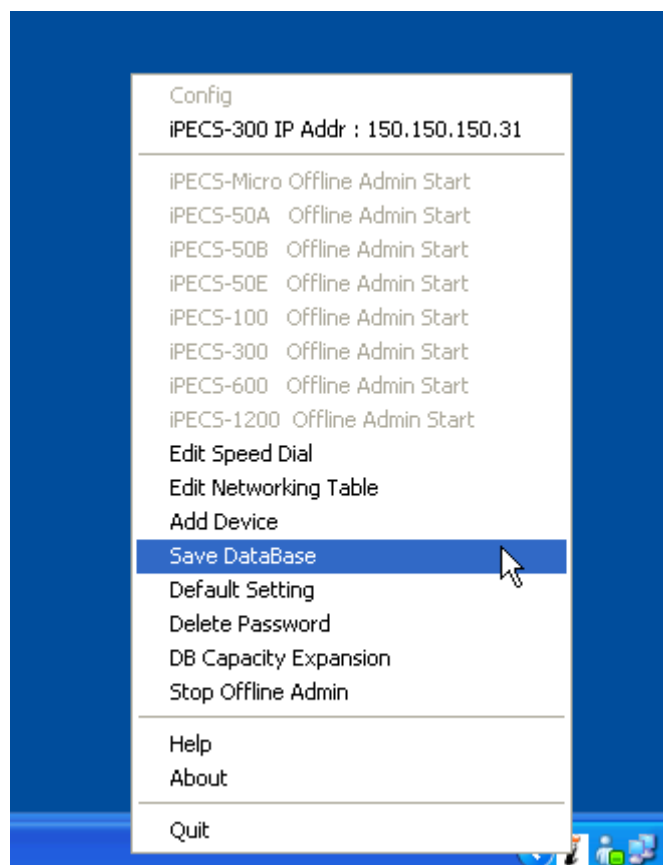


1.2.3.4 Save DataBase

A User can click "Save DataBase" to save DB data for next modification.

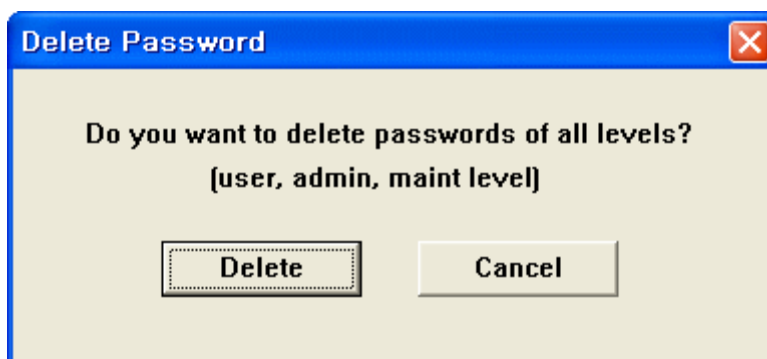
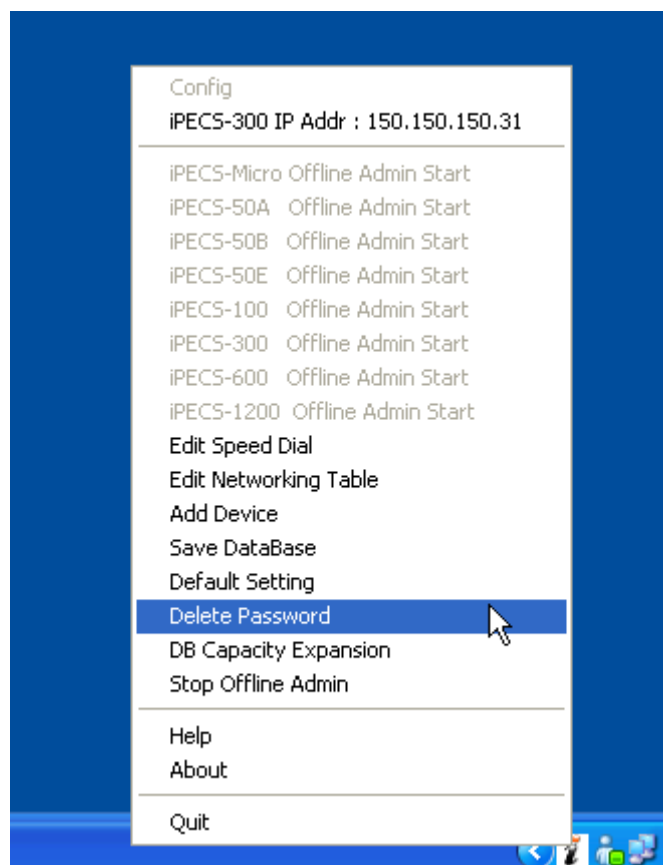
If a user doesn't save working database to offline system by click "Save Database" menu, current working data would be disappeared when offline system is stop or quit. So if a user wants to reserve current working DB for next modification, click "Save DataBase" menu in offline system.

If a user wants to delete saved DB data, click "Default Setting" menu in offline system. This operation has effect after a user click "Stop Offline Admin" -> "iPECS-100/300/600 Offline Admin Start" menu, after then a user can see initied DB.



1.2.3.5 Delete Password

In iPECS Web Administration, there are three different user levels (user level, admin level, maintenance level) and passwords of each level can be assigned. If a user wants to delete passwords of all levels, click "Delete Password" menu in offline system.



1.2.3.6 Offline Web Admin Data Modification

DB upload: use File Upload web page

DB download: use DB download web page

It is recommended that a user upload a same version of DB file with Offline Web Admin.

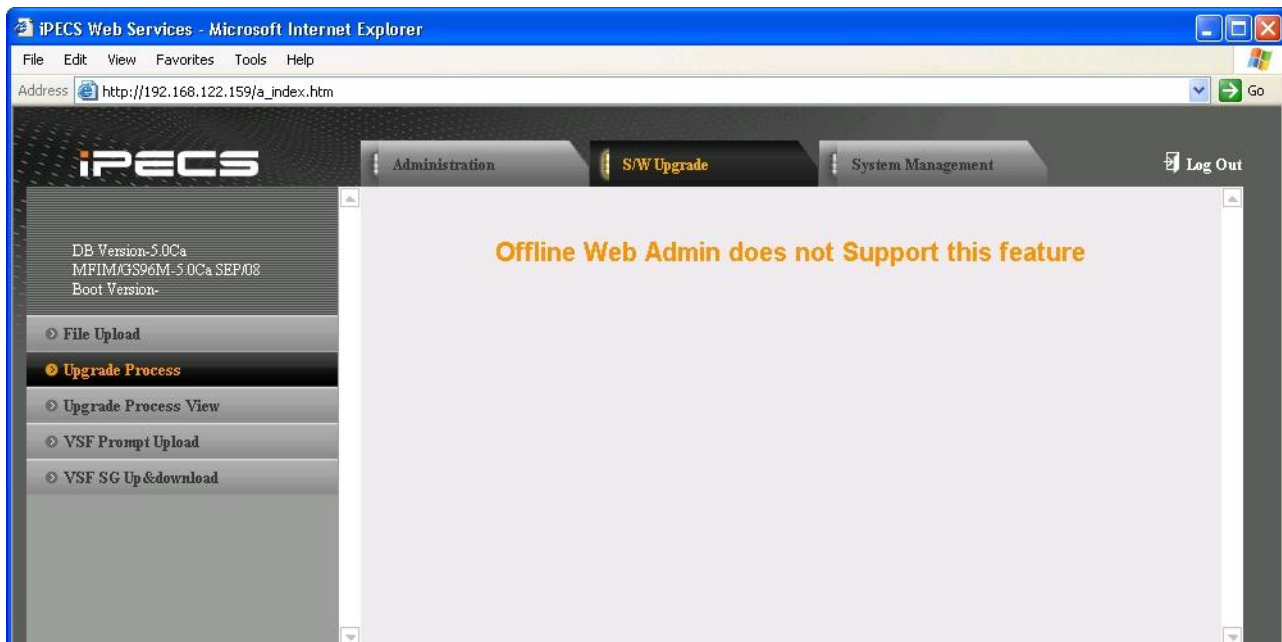
Unless some newly added admin fields are displayed and saved with uncorrect value because of difference of DB version between Offline Program and uploaded DB file. If a user wants to view and save normally, click “Save Database” -> “Stop Offline Admin” -> “iPECS-100/300/600 Offline Admin Start” menu after DB upload. After this operation, a user can see and save correct values to newly added admin fields. This operation has same effect that MFIM system reset after DB upload. But please remember. If you click “Save Database” menu, at that time DB preserved until you click “Default setting” even though you quit Offline Program.

All admin features and the contents of web pages in the Offline Web Admin are same as Online Web admin except for the following features.

- 1. SMDR features
- 2. System upgrade
- 3. Appliances upgrade

In Offline web admin, a user can't upgrade System or Appliances even if a user upload upgrade rom image to the Offline web admin.

If a user clicks improper web pages, the following page will be displayed.



If a user changes “Nation code” in System ID (PGM 100), all DB will be initialized.

If a user initializes “Station Data” in Initialization (PGM450), Flex buttons data (PGM115) will be initialized when a phone is register to the online MFIM system.

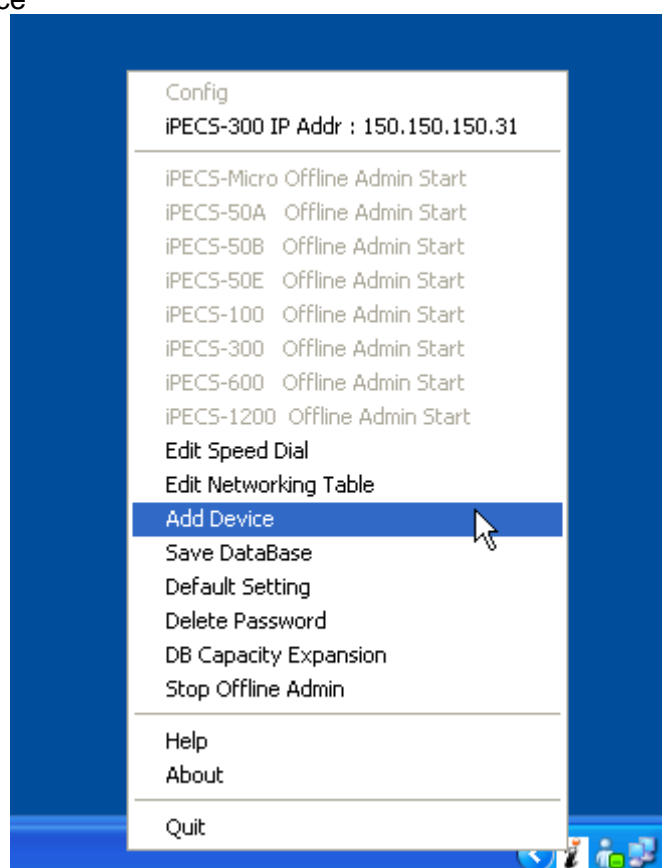
1.2.4 Add Devices

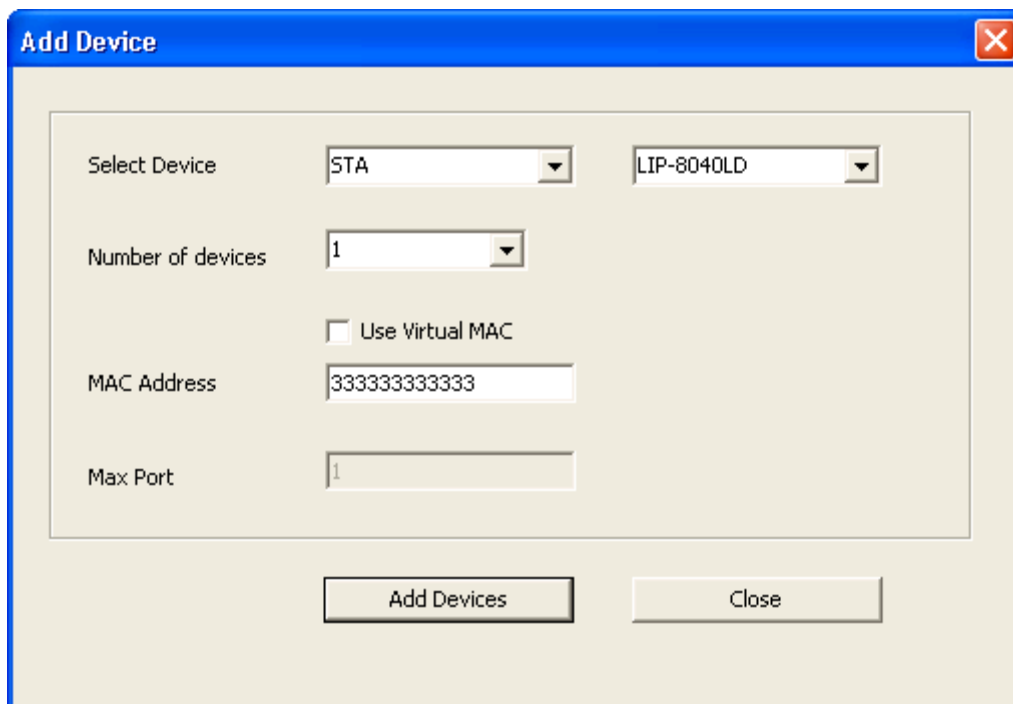
This feature is used for adding iPECS modules like LIP Phones, SLTM, BRIM, etc to the Offline Web Admin Database as real modules are added to the Offline Web Admin, but those modules are not real, but just stored as DB data only. So this feature is used for pre-configuration before installing the iPECS System.

Notice: Always VoIP is added first and just once because MFIM100/MFIM300 has a VoIP module in itself and VoIP must have MAC Address same as MFIM100/300. MFIM600 doesn't have VoIP module. If you want to register NIPP G/W in case of iPECS-50A/B/E, then select "50-A NIPP G/W", or "50-B NIPP G/W", or "50-E NIPP G/W".

Cf) "50-A NIPP G/W" is include VoIP 4 port, MISC 4 port, VSF 6 port, LGCM 4 port, SLT 2 port. And "50-B NIPP G/W" is include VoIP 4 port, MISC 4 port, VSF 6 port, BRIM 4 port, SLT 2 port. And "50-E NIPP G/W" is include VoIP 8 port, MISC 4 port, VSF 6 port, LGCM 4 port, SLT 2 port.

- Click "Add Device"

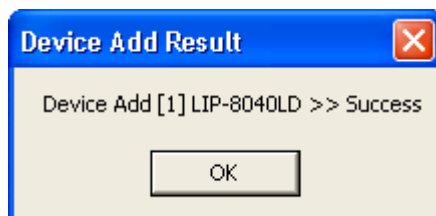




The 'Add Device' dialog box is a standard Windows-style window with a blue title bar and a close button. It contains several input fields and checkboxes. The 'Select Device' field has two dropdown menus, one showing 'STA' and the other 'LIP-8040LD'. The 'Number of devices' field is a dropdown menu showing '1'. There is an unchecked checkbox for 'Use Virtual MAC'. The 'MAC Address' field is a text box containing '333333333333'. The 'Max Port' field is a text box containing '1'. At the bottom, there are two buttons: 'Add Devices' and 'Close'.

Select Device	STA	LIP-8040LD
Number of devices	1	
<input type="checkbox"/> Use Virtual MAC		
MAC Address	333333333333	
Max Port	1	

Add Devices Close



The 'Device Add Result' dialog box is a small window with a blue title bar and a close button. It displays the message 'Device Add [1] LIP-8040LD >> Success' and has an 'OK' button at the bottom.

Device Add [1] LIP-8040LD >> Success

OK

- Select device type and insert MAC Address and click “Add”.
- If a user wants to use virtual MAC Address instead of real MAC Address, a user should check “Use Virtual MAC”.
- A user can select number of device to register when device type is same. In this case, “Use Virtual MAC” will be checked automatically.
- If a user wants to register UCS client, a user should register UCS server previously.
- If a user wants to register Phontage/UCS client/SIP Phone, a user should save ID/PWD in PGM442 previously.
- Confirm adding result in System & Device IP Address Plan (PGM 102~103) menu.

iPECS Release 5

Offline Web Admin

Issue 1.0

iPECS Web Services - Microsoft Internet Explorer

Address: http://192.168.122.159/a_index.htm

iPECS Administration S/W Upgrade System Management Log Out

DB Version: 5.0Ca
MFIM/GS96M-5.0Ca SEP/08
Boot Version: Find PGM
Hide Menu

System ID & Numbering Plans

- System ID(100)
- System & Device IP(102-103)**
- CO GW Sequence Number(104)
- Flexible Station Number(105)
- Flexible Numbering Plan(106)
- Station Data
- Board Based Data
- CO Line Data
- System Data
- Station Group Data
- ISDN Line Data
- Tables Data
- Networking Data
- RSGM Data
- Tnet Data
- Zone Data
- Device Login
- DECT Data
- Initialization

[System & Device IP address]

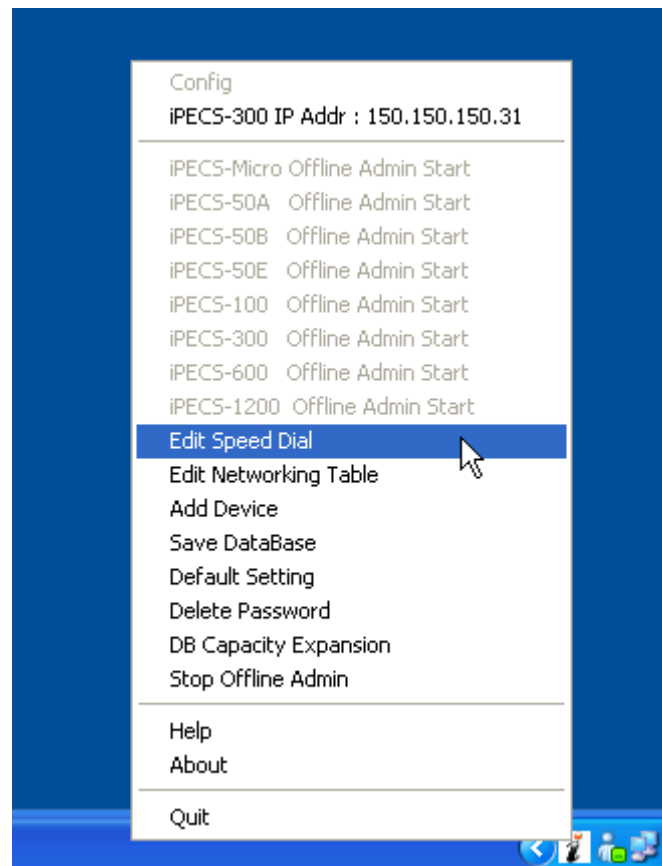
MFIM/E IP Address : Save
MFIM/E Sub Net Mask : Capacity overview
Router IP Address :
System IP Range : -
System Sub Net Mask :
Automatic IP Assign :
Second System IP Address :
Second System Net Mask :
Firewall IP Address :
First MAC Range : -
Second MAC Range : -
MFIM/E LAN2 Master IP Address :
MFIM/E LAN2 Slave IP Address :
DNS IP Address :

Find

Order(↑ ↓)	Seq	SVC	Hide	Logical Num(↑ ↓)	Type	DEV ID	MAC Address(↑ ↓)	IP Address(↑ ↓)	NET	ARP
CO Gateway										
1	1		<input type="checkbox"/>	1 - 6	VOIP GW	97	111111111111	10.10.10.10	L	OFF
STA										
1	4		<input type="checkbox"/>	100	Phone (8040L)	202	333333333333	10.10.10.13	L	OFF
MISC Gateway										
1	2		<input type="checkbox"/>	1 - 10	MISC GW	9	222222222222	10.10.10.11	L	OFF
VSF Gateway										
1	3		<input type="checkbox"/>	1 - 6	VSF GW	8	222222222222	10.10.10.12	L	OFF

1.2.5 Edit System Speed Dial

The Offline Web Admin supports to edit Speed Dial data, read from and save to the excel file.



Edit Speed Data					
Operation					
Speed No	Speed Name	CO Line Type	CO Number	Phone Number	
2000		None			
2001		None			
2002		None			
2003		None			
2004		None			
2005		None			
2006		None			
2007		None			
2008		None			
2009		None			
2010		None			
2011		None			
2012		None			
2013		None			
2014		None			
2015		None			
2016		None			
2017		None			
2018		None			
2019		None			
2020		None			
2021		None			
2022		None			
2023		None			

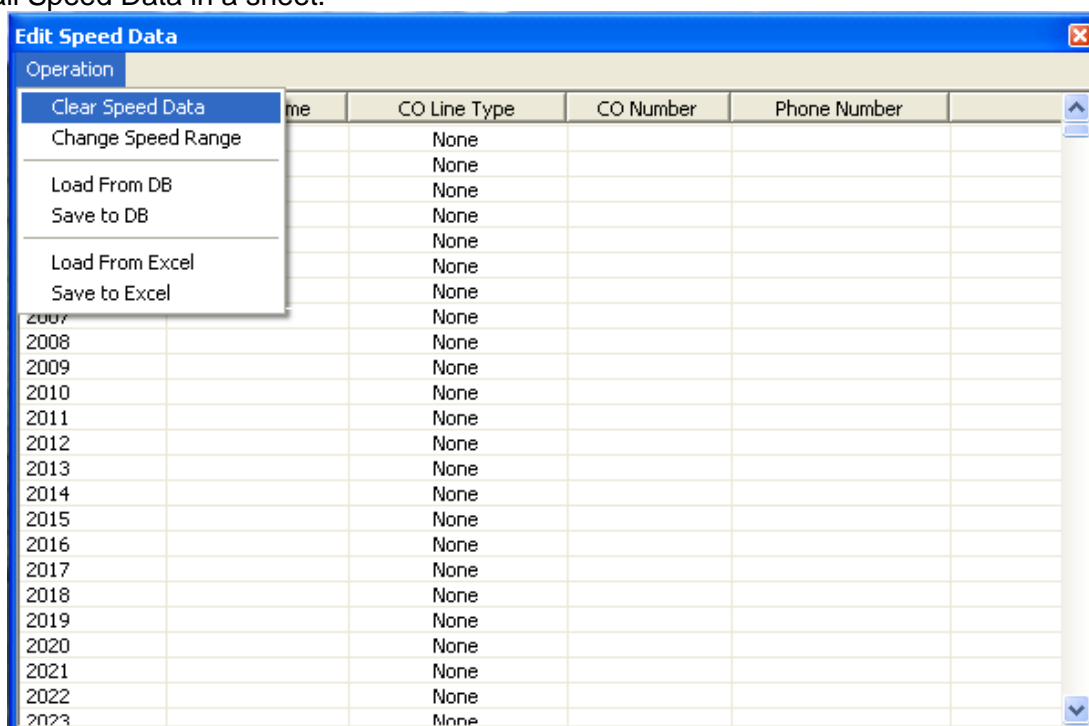
To enter or change values, click each cell to modify. [Tab] and [Enter] key can be used to move to the next cell. There are six operations provided by the Speed Editor.

If a user want to apply Speed Data in a sheet which is loaded from excel or changed in the 'Edit Speed Data' window to working offline system, a user have to click "Save To DB" menu(see below section 1.2.5.4), then changed data would be reflected to the working offline system.

On the other hand, if a user want to read Speed Data from working offline system, a user have to click "Load From DB" menu(see below section 1.2.5.3), then Speed Data in a sheet would be changed to the Speed Data of working offline system.

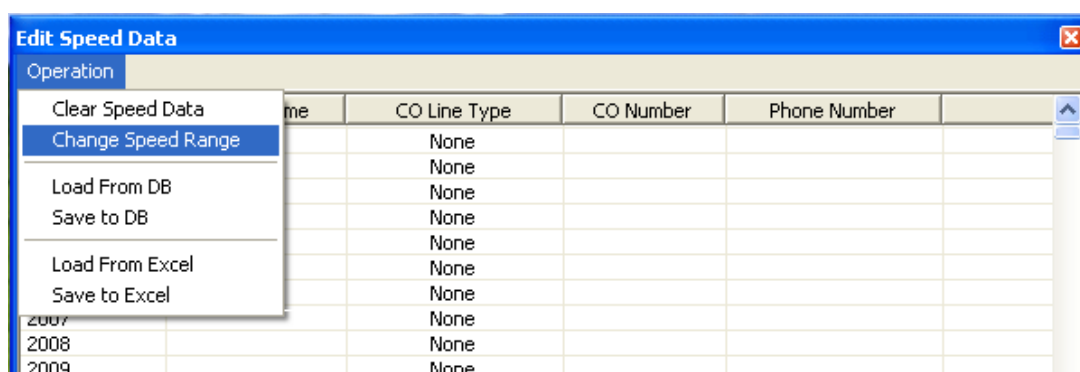
1.2.5.1 Clear Speed Data

Clear all Speed Data in a sheet.



1.2.5.2 Change Speed Range

Allow to change the Clear all Speed Data in a sheet.



The screenshot shows a web application window titled "Edit Speed Data". It contains a table with the following columns: Speed No, Speed Name, CO Line Type, CO Number, and Phone Number. The table lists speed numbers from 2000 to 2023, with "None" entered for CO Line Type for most entries. A modal dialog box titled "Speed Range Change" is overlaid on the table. The dialog has two input fields: "Source" with the value "2000" and "Destination" with the value "5000". There are "Change" and "Cancel" buttons at the bottom of the dialog.

Speed No	Speed Name	CO Line Type	CO Number	Phone Number
2000		None		
2001		None		
2002				
2003				
2004				
2005				
2006				
2007				
2008				
2009				
2010				
2011				
2012				
2013				
2014				
2015				
2016				
2017				
2018		None		
2019		None		
2020		None		
2021		None		
2022		None		
2023		None		

Source: speed start and end number in Speed No of sheet.

Destination: destination start number

This feature is used for converting speed data from a MFIM to the other MFIM.

Ex) current Speed No range : 200 - 299

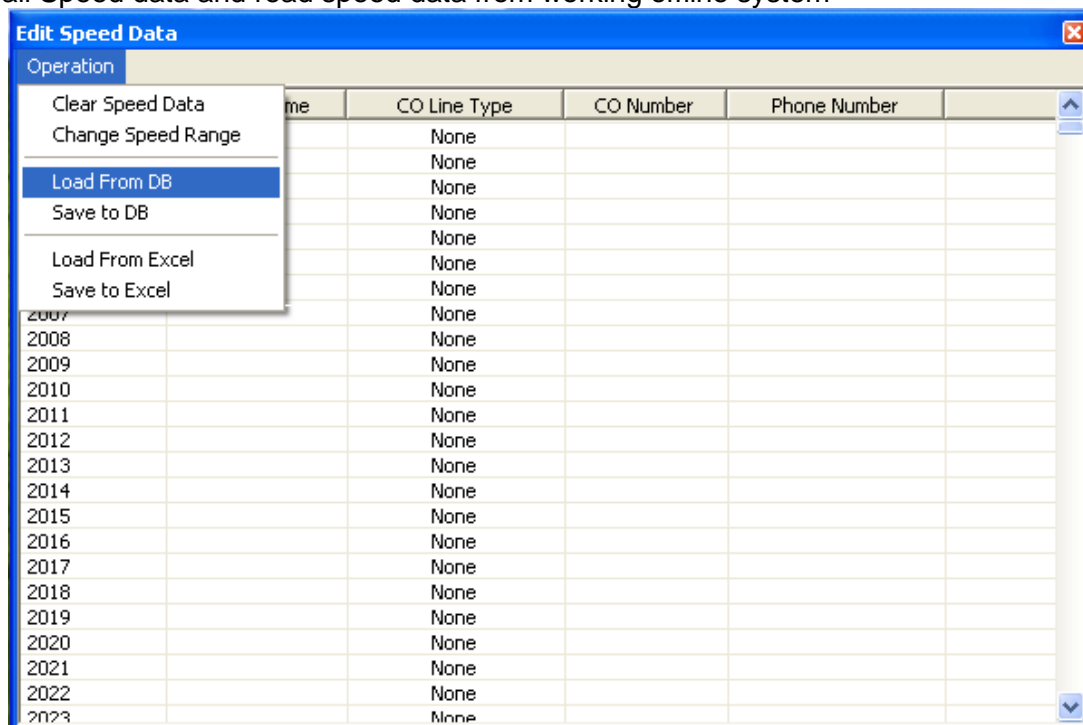
Source : 200 - 220

Destination : 1000

Result -> 1000 -1020(changed speed num), 221-299(not changed num)

1.2.5.3 Load From DB

Delete all Speed data and read speed data from working offline system

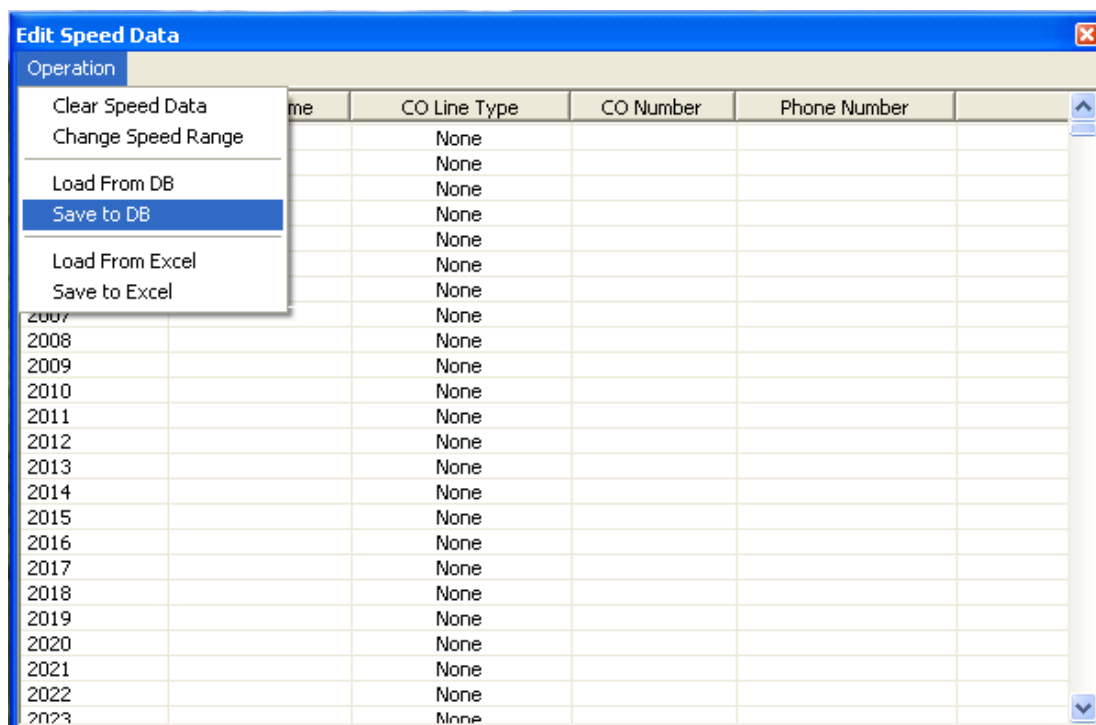


The screenshot shows the 'Edit Speed Data' window with a menu open. The menu options are: Clear Speed Data, Change Speed Range, Load From DB (highlighted), Save to DB, Load From Excel, and Save to Excel. The table below shows data for years 2007 to 2023, with 'CO Line Type' set to 'None' for all years.

Year	CO Line Type	CO Number	Phone Number
2007	None		
2008	None		
2009	None		
2010	None		
2011	None		
2012	None		
2013	None		
2014	None		
2015	None		
2016	None		
2017	None		
2018	None		
2019	None		
2020	None		
2021	None		
2022	None		
2023	None		

1.2.5.4 Save to DB

Save Current Speed data to working offline system

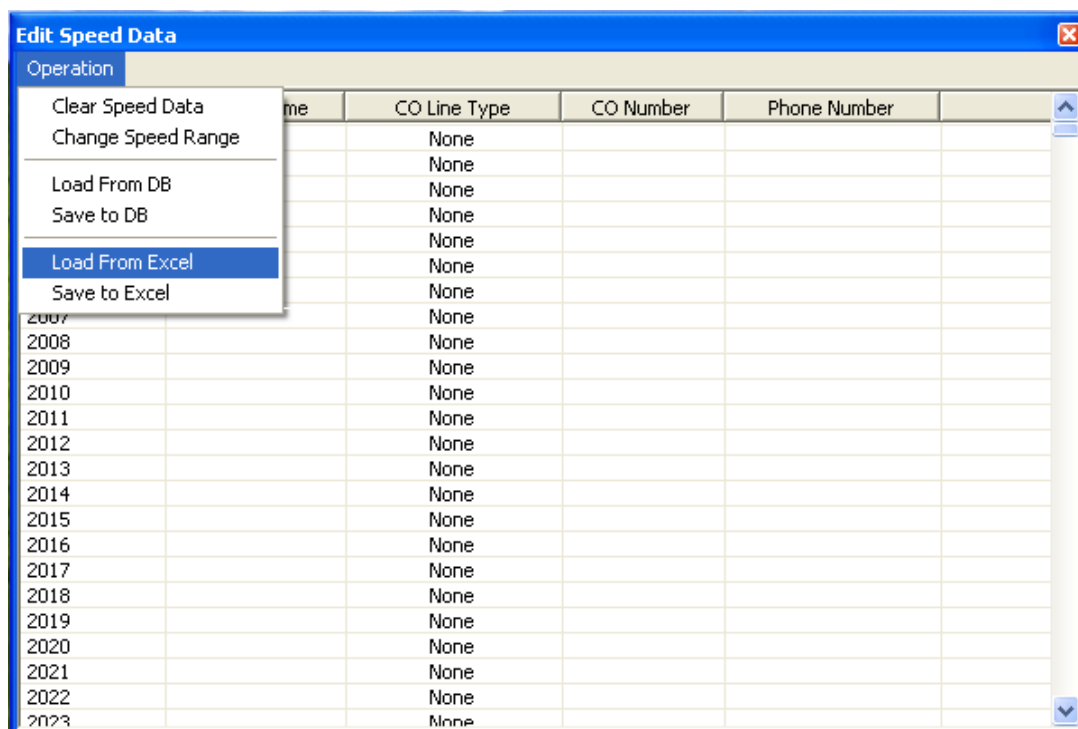


The screenshot shows the 'Edit Speed Data' window with a menu open. The menu options are: Clear Speed Data, Change Speed Range, Load From DB, Save to DB (highlighted), Load From Excel, and Save to Excel. The table below shows data for years 2007 to 2023, with 'CO Line Type' set to 'None' for all years.

Year	CO Line Type	CO Number	Phone Number
2007	None		
2008	None		
2009	None		
2010	None		
2011	None		
2012	None		
2013	None		
2014	None		
2015	None		
2016	None		
2017	None		
2018	None		
2019	None		
2020	None		
2021	None		
2022	None		
2023	None		

1.2.5.5 Load From Excel

Read speed data from excel file.

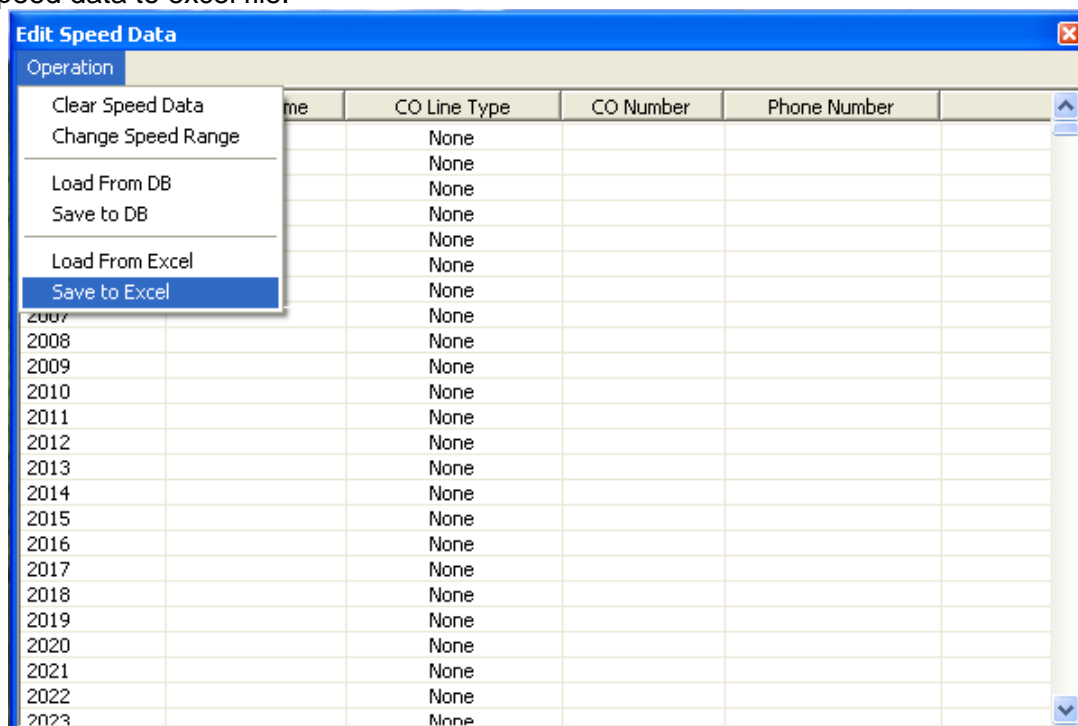


The screenshot shows the 'Edit Speed Data' window with a table containing speed data for various years. The 'Operation' dropdown menu is open, and 'Load From Excel' is selected.

Year	CO Line Type	CO Number	Phone Number
2007	None		
2008	None		
2009	None		
2010	None		
2011	None		
2012	None		
2013	None		
2014	None		
2015	None		
2016	None		
2017	None		
2018	None		
2019	None		
2020	None		
2021	None		
2022	None		
2023	None		

1.2.5.6 Save to Excel

Save speed data to excel file.

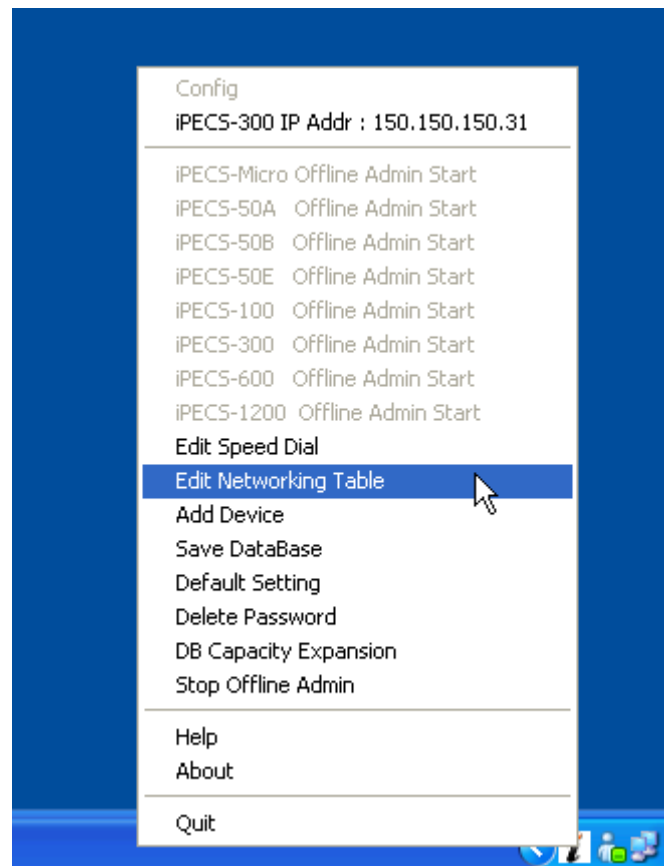


The screenshot shows the 'Edit Speed Data' window with a table containing speed data for various years. The 'Operation' dropdown menu is open, and 'Save to Excel' is selected.

Year	CO Line Type	CO Number	Phone Number
2007	None		
2008	None		
2009	None		
2010	None		
2011	None		
2012	None		
2013	None		
2014	None		
2015	None		
2016	None		
2017	None		
2018	None		
2019	None		
2020	None		
2021	None		
2022	None		
2023	None		

1.2.6 Edit Networking Table

The Offline Web Admin supports to edit Networking Table, read from and save to the excel file.



Edit Networking Table				
Operation				
Index	System Usage	Numbering Plan Code	Networking CO Group	
0	NET		255	
1	NET		255	
2	NET		255	
3	NET		255	
4	NET		255	
5	NET		255	
6	NET		255	
7	NET		255	
8	NET		255	
9	NET		255	
10	NET		255	
11	NET		255	
12	NET		255	
13	NET		255	
14	NET		255	
15	NET		255	
16	NET		255	
17	NET		255	
18	NET		255	
19	NET		255	
20	NET		255	
21	NET		255	
22	NET		255	

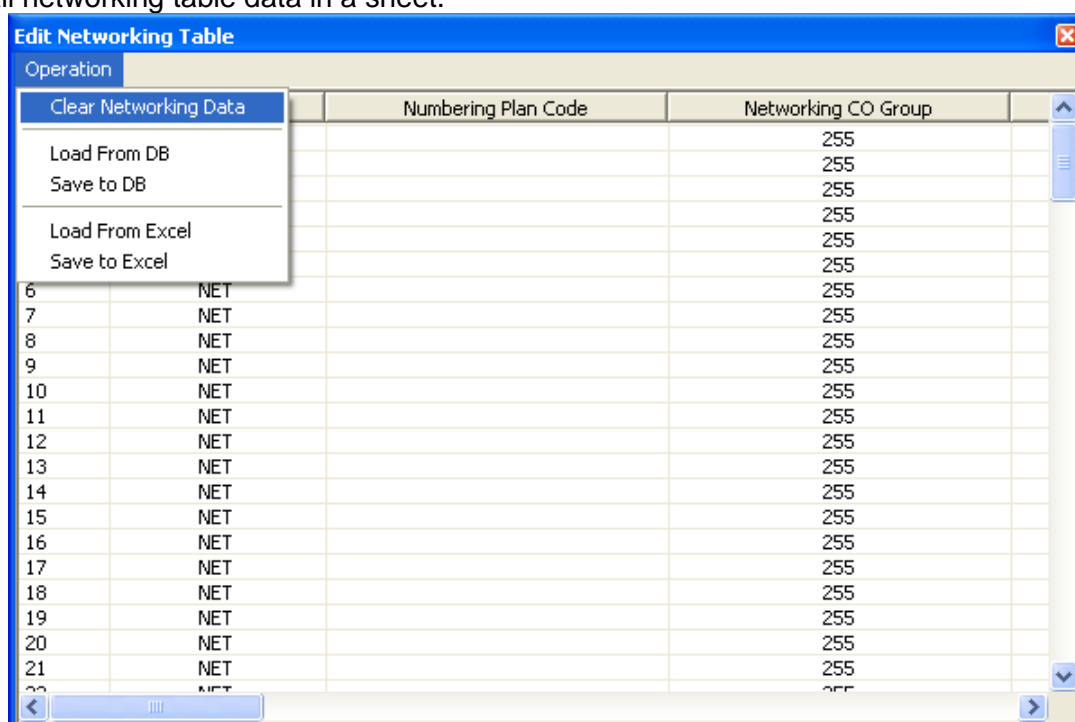
To enter or change values, click each cell to modify. [Tab] and [Enter] key can be used to move to the next cell. There are five operations provided by the Networking Table Editor.

If a user want to apply Networking Table Data in a sheet which is loaded from excel or changed in the 'Edit Networking Data' window to working offline system, a user have to click "Save To DB" menu(see below section 1.2.6.3), then changed data would be reflected to the working offline system.

On the other hand, if a user want to read Networking Data from working offline system, a user have to click "Load From DB" menu(see below section 1.2.6.2), then Networking Table Data in a sheet would be changed to the Networking Table Data of working offline system.

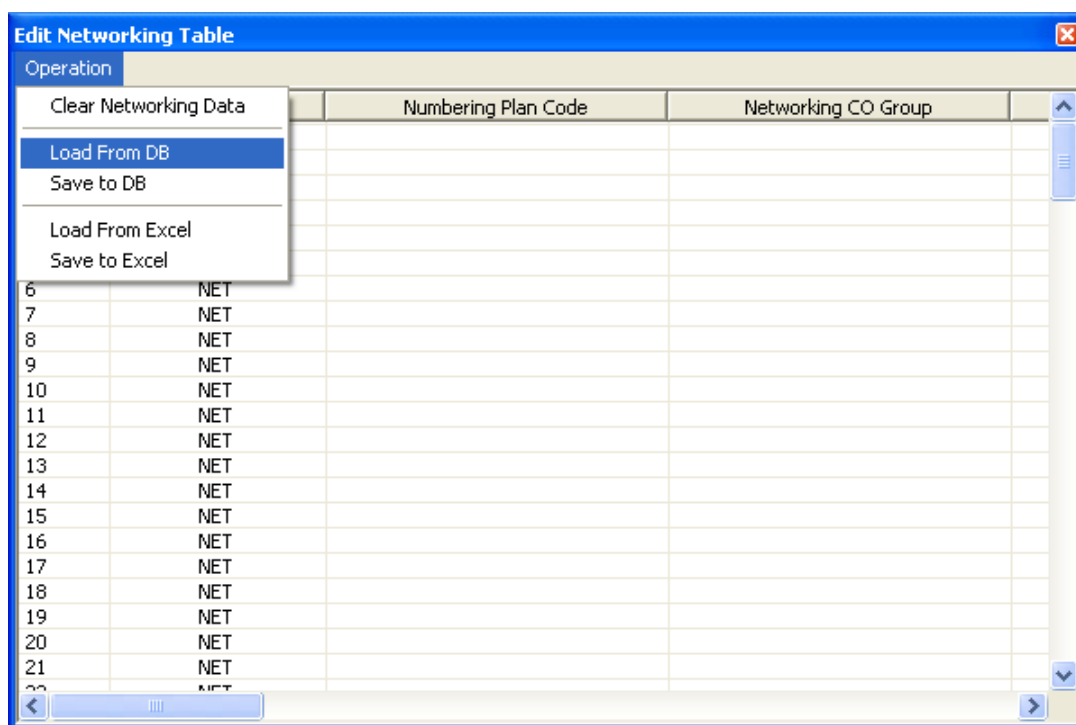
1.2.6.1 Clear Networking Data

Clear all networking table data in a sheet.



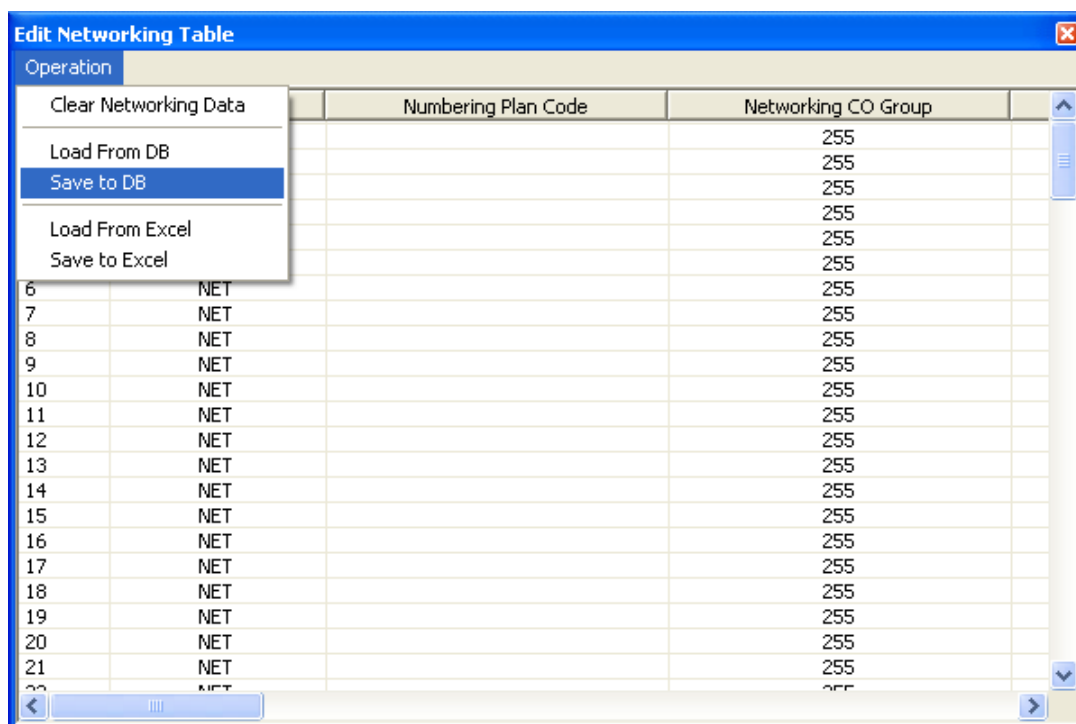
1.2.6.2 Load From DB

Delete all networking table data and read networking table data from working offline system



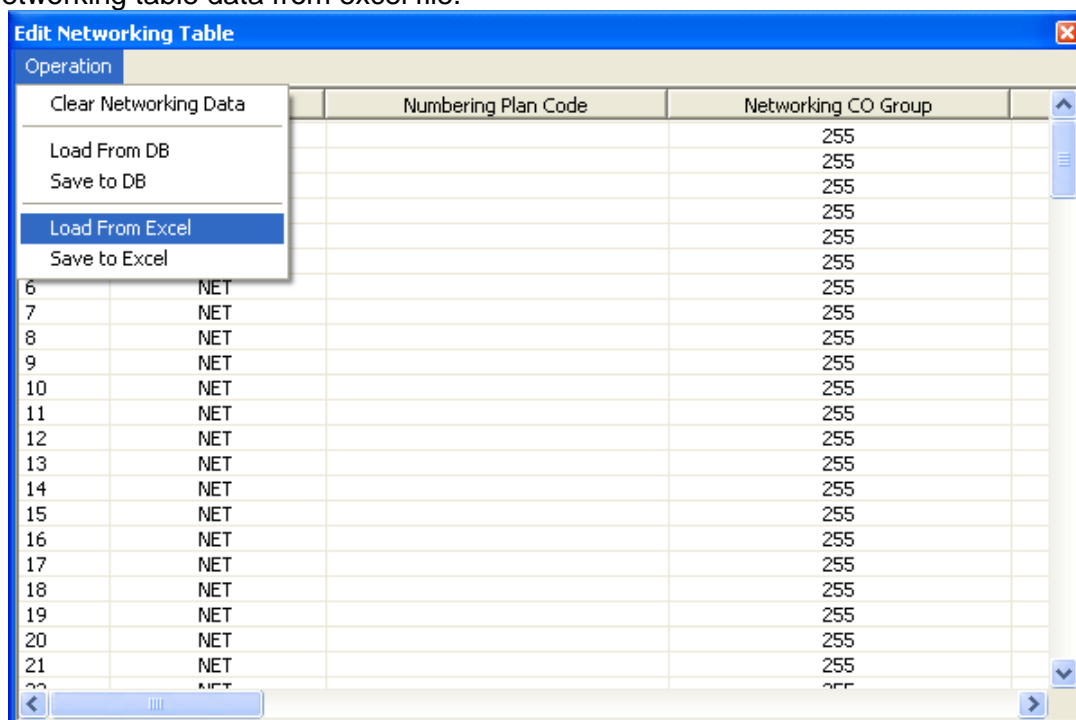
1.2.6.3 Save to DB

Save Current networking table data to working offline system



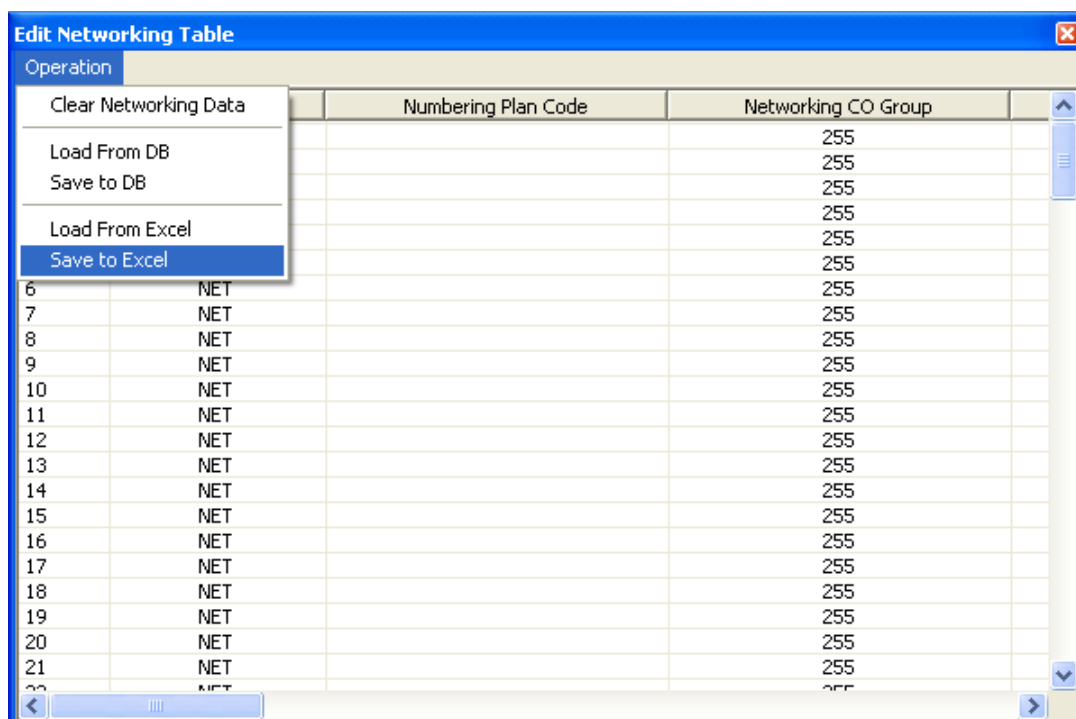
1.2.6.4 Load From Excel

Read networking table data from excel file.



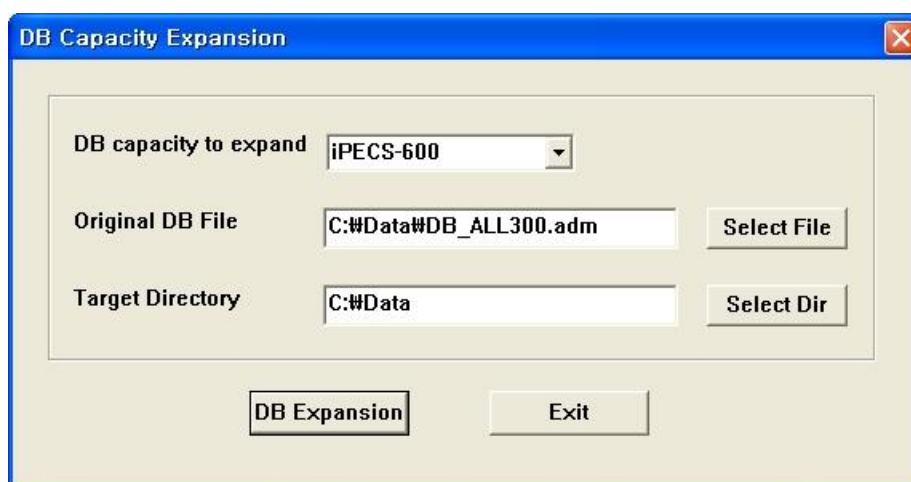
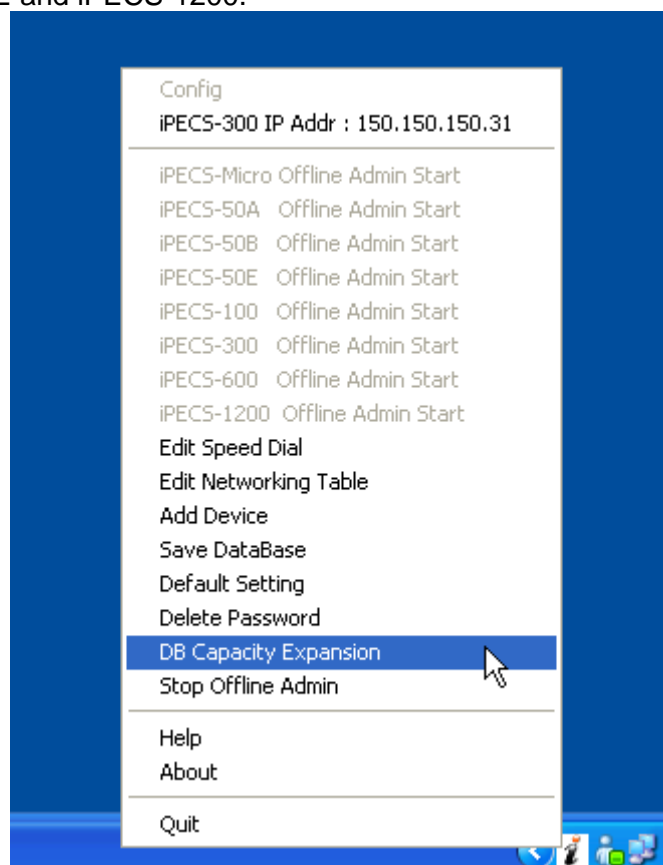
1.2.6.5 Save to Excel

Save networking table data to excel file.



1.2.7 DB Capacity Expansion

This feature is used for expand DB capacity with Offline Web Admin. If a user used iPECS100/300/600, but a user wants to use more devices i.e gateway or phone with current DB, then a user can expand DB capacity with this feature. This feature isn't supported in iPECS-50A, iPECS-50B, iPECS-50E and iPECS-1200.



1. Select System Type to expand the capacity.
2. Select a DB file to expand.
3. Select a target directory.
4. Press "DB Expansion" button.

After above operations, a user can find out “EXDB300.adm” or “EXDB600.adm” file in target directory (“EXDB300.adm” is used in iPECS-300 system, “EXDB600.adm” is used in iPECS-600 system, “EXDB1200.adm” is used in iPECS-1200 system). Then upload expanded DB file(EXDB300.adm/EXDB600.adm/EXDB1200.adm) to the Online MFIM system and press ‘SAVE’ button in web admin page [System&Device IP(102~103)] and reset the MFIM.

If a user wants to change some admin fields before apply to Online MFIM system, start Offline Program by clicking “iPECS-600 Offline Admin Start” in case of “EXDB600.adm”. And upload “EXDB600.adm” file to the Offline web admin, and then click “Save Database” -> “Stop Offline Admin” -> “iPECS-600 Offline Admin Start”. After then a user can view and save with the expanded DB correctly. After a user change expanded DB file, download DB file in offline web admin, and upload to the Online MFIM system and reset the MFIM.

In case of DB migration from Phase 3 DB to Phase 5 DB with same capacity, it is recommended to follow above operations. If a user upload Phase 3 DB file to the Phase 5 Offline web admin, a user should click “Save Database” -> “Stop Offline Admin” -> “iPECS-100/300 Offline Admin Start”. This operation has same effect that MFIM system reset after DB upload. By this operation, newly added admin fields initialised normally.

When a user applies expanded DB to online MFIM system, 5.0Cc or higher version of MFIM system is recommended.