

# User's Manual

## FREEWING YFW-0001



**YISO Telecom Co., Ltd.**

## TABLE OF CONTENTS

|                                          |    |
|------------------------------------------|----|
| 1. Accessories .....                     | 3  |
| 2. Name of each part.....                | 3  |
| 3. Safety information.....               | 4  |
| 4. Special function of FREEWING .....    | 6  |
| Facsimile reception and transmission /   |    |
| PC communication.....                    | 7  |
| 5. Installation .....                    | 7  |
| 1) System requirements .....             | 7  |
| 2) FREEWING Driver Setup Method.....     | 7  |
| 3) Freewing environment setup in PC..... | 16 |
| 6. Connection/Disconnection.....         | 27 |
| 7. Troubleshooting .....                 | 29 |
| 8. Specifications.....                   | 30 |

## 1. Accessories

1

- FREEWING
- 3.5inch Floppy Disc  
(Freewing Driver Installation Disc)
- User's Manual

## 2. Name of each item

2

### <Power on mode>

Red LED is lit on and then off.

### <In Service mode>

Green LED blinks at 5 seconds intervals.

### <No service mode>

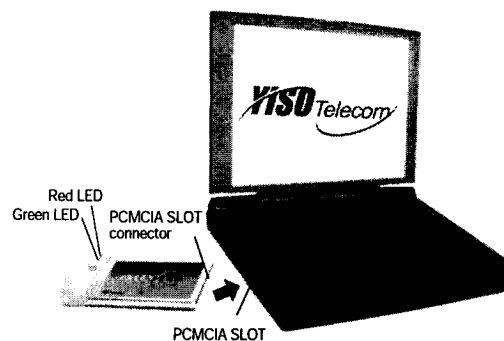
Red LED blinks at 2 seconds intervals.

### <Data transmission mode>

Red LED blinks continuously.

### <Data reception mode>

Green LED blinks continuously.

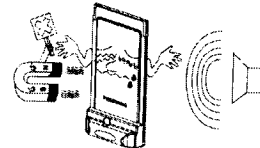
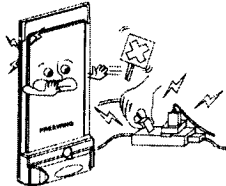


## 3 Safety information

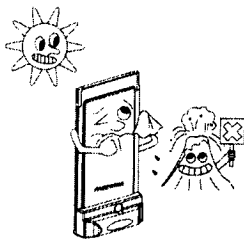
## Safety information

3

- Rated slot and rated power should be used.

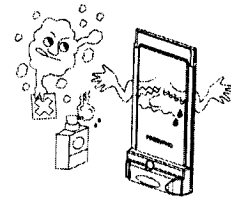


- Do not use the set near the equipment having magnetic force.

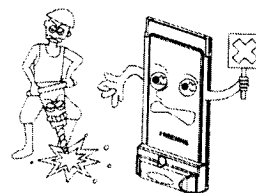
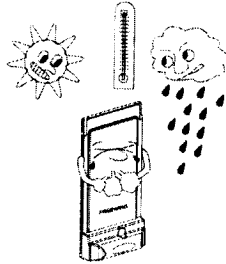


- Do not expose the set to direct sunlight and to heat sources.

- Do not use or spill the inflammables on the set.

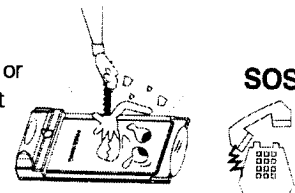


- Do not use the set near high temperature and humidity. Rain or drinking water spilled on the set can result in hazards.



- Do not expose the set to vibration or excessive shock. Keep the set in a safe place.

- Do not disassemble or service the set without permission.



SOS

100% wireless internet meets the additional function of cellular phone. You can enjoy the special freedom of Freewing.

- **Wireless high-speed data communication**

Use your Freewing anywhere. Moreover you can use the internet at higher speed than existing modem. Enjoy high-speed data communication of IS95-b 64kbps. Your dream enjoying the moving pictures will come true.

- **Send facsimile during movement**

Do not put off your job which should be done rapidly. Send your facsimile and e-mail with Freewing.

- **Smallest size, comfortable installation and uninstallation**

You can also install Freewing of smallest size when notebook PC is turned on. As soon as it is installed, you can use the internet.

- **Appearance of refined design and elegant color**

You think the existing old-fashioned modem? Freewing has the splendid appearance of smart color.

## ■ Facsimile Reception and Transmission / PC Communication

After installing Freewing, go to our homepage or inquire of our customer's service center board to use e-mail, PC communication or Facsimile reception/transmission.

- homepage <http://www.yisotel.com>
- customer's service center 080-576-7416  
02-576-7416

## 5. Installation

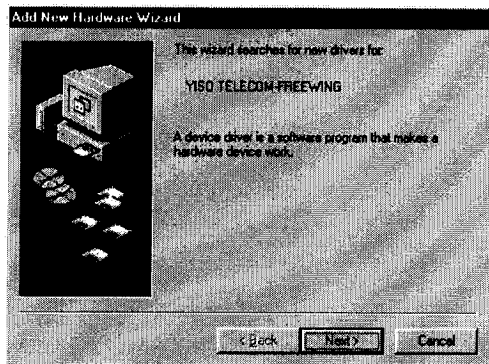
### 5-1

#### 1) System requirements

- Windows 95/98  
(Windows NT4.0 Won't be supported.)
- Windows 2000
- Windows ce
- Windows millennium

## 2) Freewing Driver Setup method

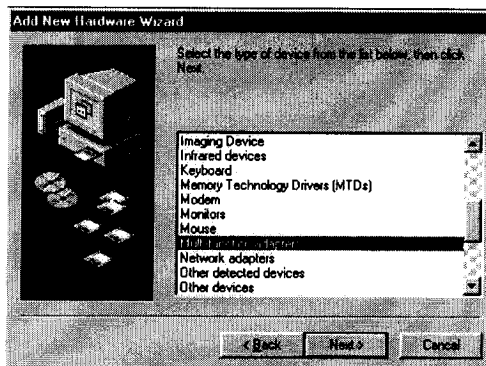
1. At first, install Freewing to PCMCIA Slot. Then insert Freewing Driver Installation Disc at A: Drive. When 'Add New Hardware Wizard' window appears, click 'Next'.



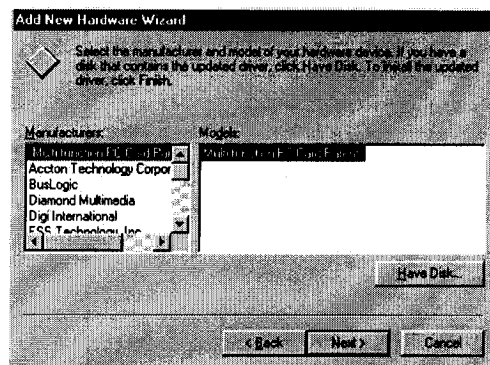
2. Select 'Display a list of all the drivers in a specific location, so you can select the driver you want', then click 'Next'.



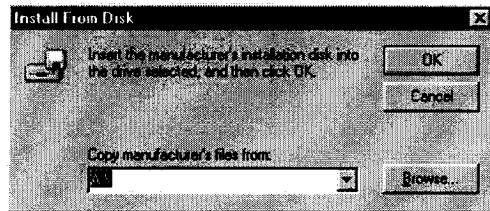
3. Select 'Multi-function adapters' from the device type list, then click 'Next'.



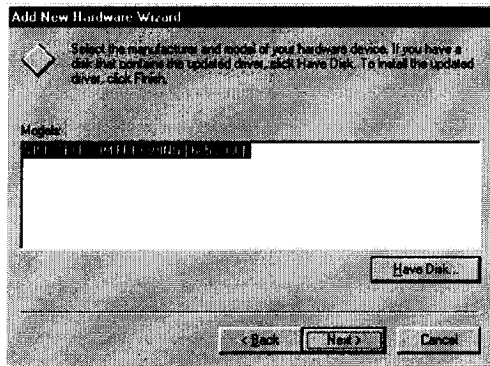
4. Select 'Multi-function PC Card Patent' from the Manufacturers and Models of your hardware devices, then click 'Have Disc....'.



5. In the window 'Install From Disc', click 'OK'.



6. To continue driver installation, click 'Next'.



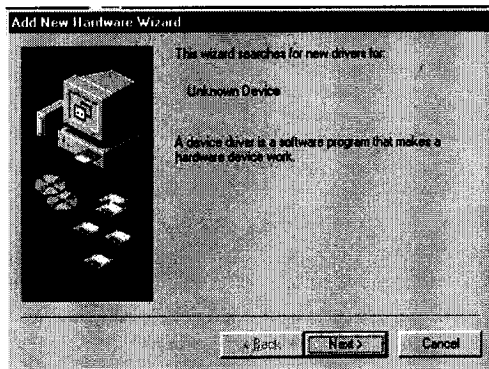
7. To continue driver installation, click 'Next'.



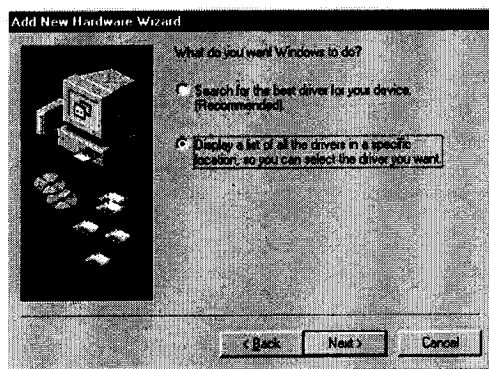
8. As windows has finished installing the hardware you selected, click 'Finish'. To install YISO COM PORT, adding new hardware wizard will be performed again.



9. To continue driver installation, click 'Next'.



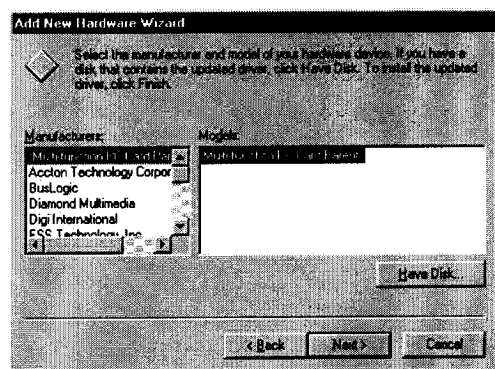
10. Select 'Display a list of all the drivers in a specific location, so you can select the driver you want', then click 'Next'.



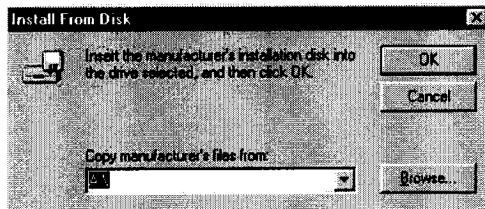
11. Select 'Multi-function adapters' from the device type list, then click 'Next'.



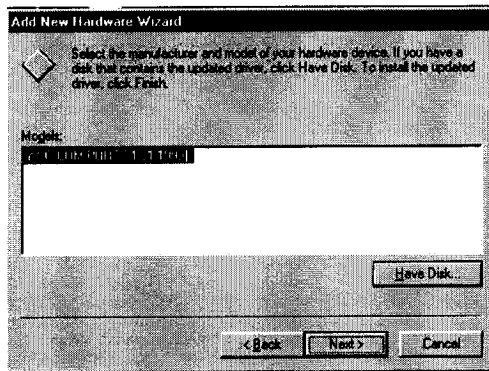
12. Select 'Multi-function PC Card Patent' from the Manufacturers and Models of your hardware devices, then click 'Have Disc...'.



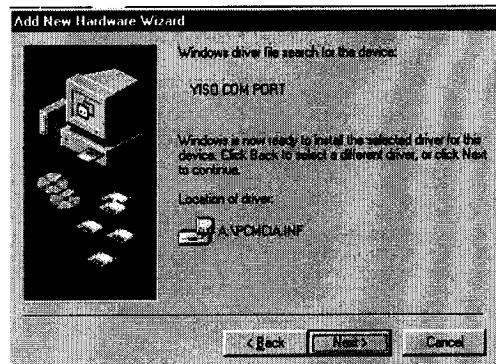
13. In the window 'Install From Disc', click 'OK'.



14. After confirming 'YISO COM PORT', click 'Next'.



15. Click 'Next'.



16. As windows has finished installing the hardware you selected, click 'Finish'.

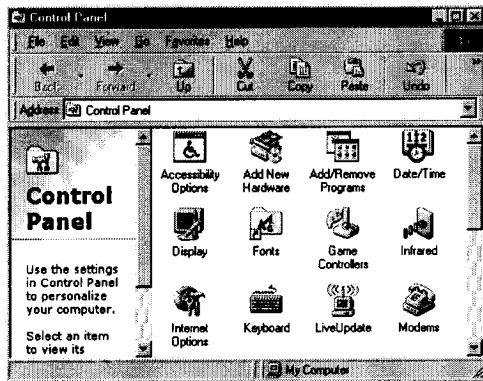
\* By these process, Freeewing Driver Setup installation has finished.



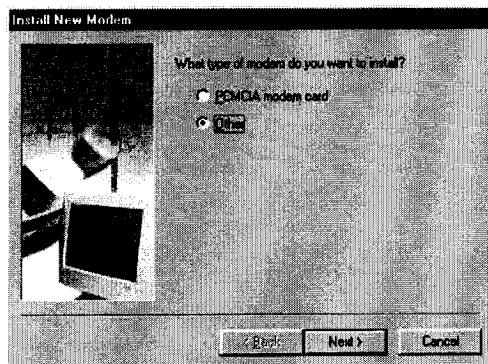
\* PCMCIA icon appears on right bottom side.

### 3) Freeing environment setup in PC

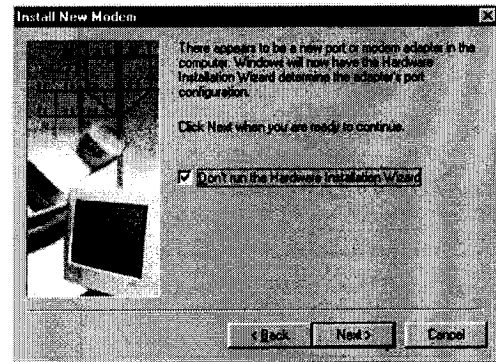
1. Select 'Modems' at 'Control Panel' of Windows 95/98, then click 'Add'.



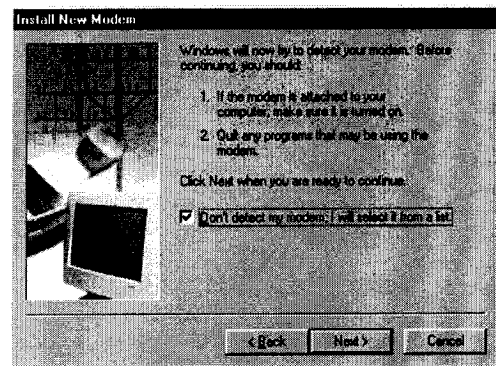
2. Select 'Other' modem, then click 'Next'.



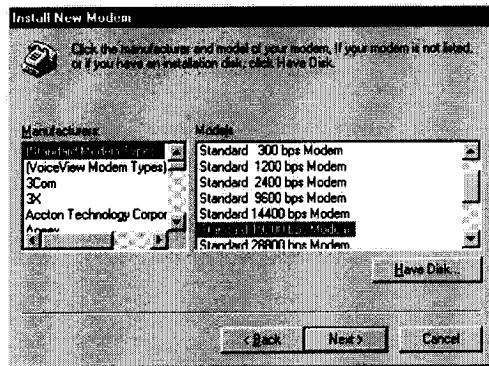
3. Select 'Don't run the Hardware Installation Wizard', then click 'Next'.



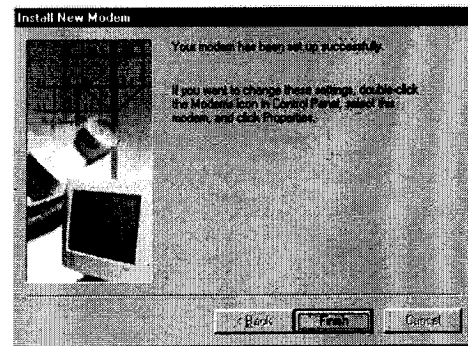
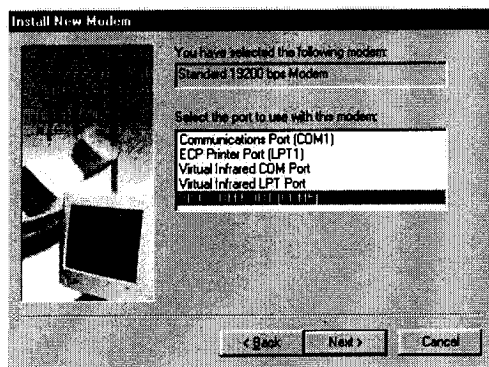
4. Select 'Don't detect my modem; I will select it from a list', then click 'Next'.



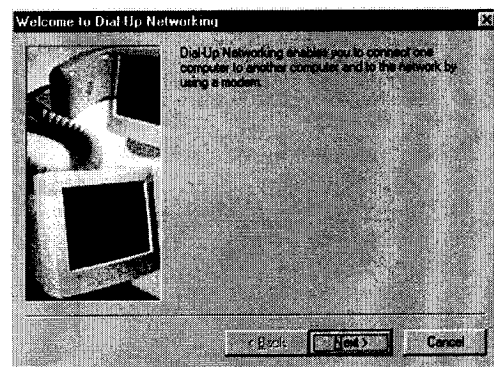
5. Select 'Standard 19200bps Modem' of '(Standard Modem Types)', then click 'Next'.

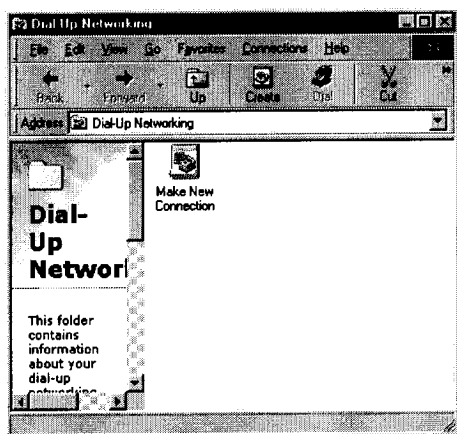


6. Select 'YISO COM PORT (COM5)', then click 'Next'.

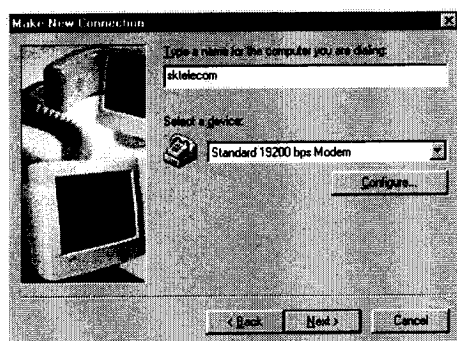


1. Select 'Start menu' -> 'Programs' -> 'Support Programs' -> 'Communications' -> 'Dial-up Networking', then select 'Make New Connection'.

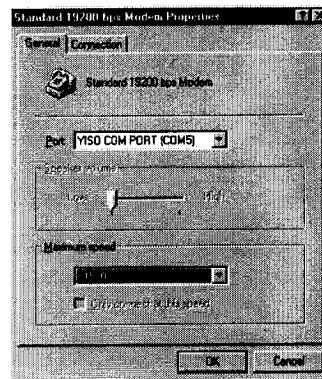




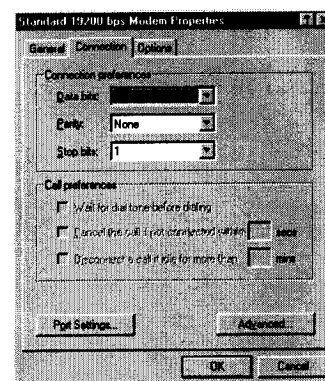
2. Type a desired service company name for 'Type a name for the computer you are dialing' and select 'Standard 19200bps Modem' for 'Select a device'. Then click 'Configure...'. .



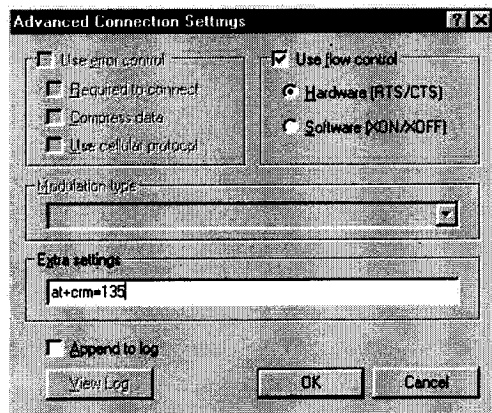
3. After confirming 'YISO COM PORT(COM5)', select '115200' for 'Maximum speed'. Then click 'OK'.



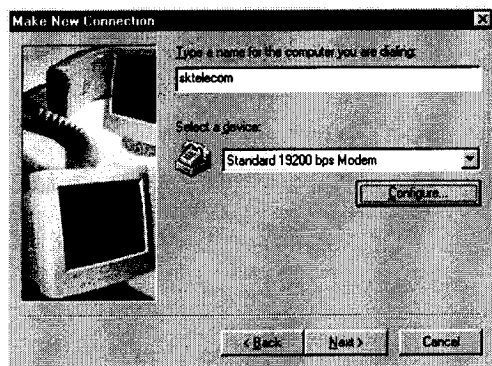
4. After setting the screen as below, then click 'Advanced...'. .



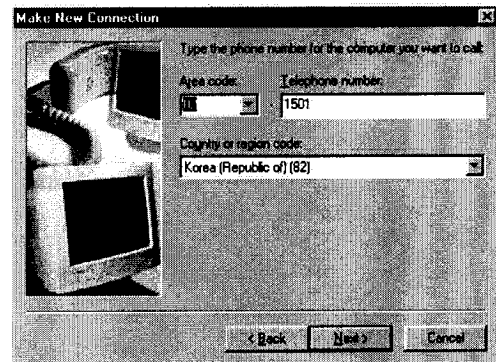
5. Type 'at+crm=135' for 'Extra settings', then click 'OK'.



6. When 'Make New Connection' window appears, click 'Next'.



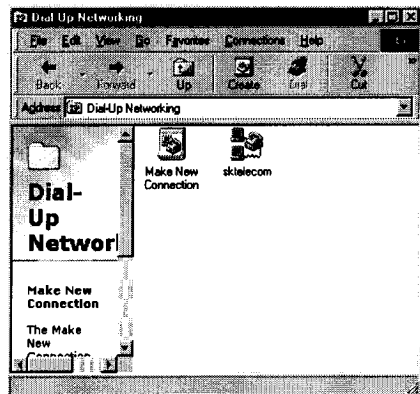
7. Type 'Area code' and 'Telephone number'.



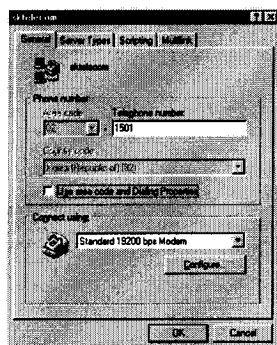
8. Click 'Finish'. By these methods, setup has finished.



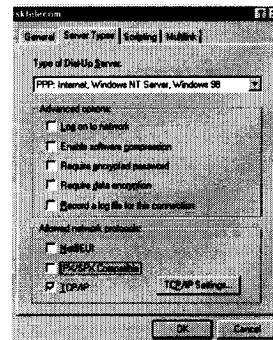
9. Click the 'Properties' of 'New' icon which is made in the 'Dial-up Networking' folder. (By clicking the right side of mouse, you can see 'Properties' menu.)



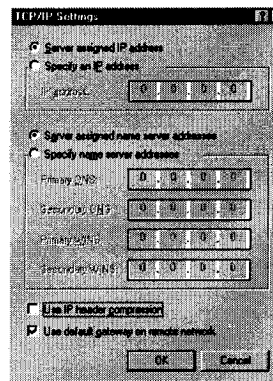
10. De-select 'Use area code and Dialing Properties' and go to 'Server Types' menu.



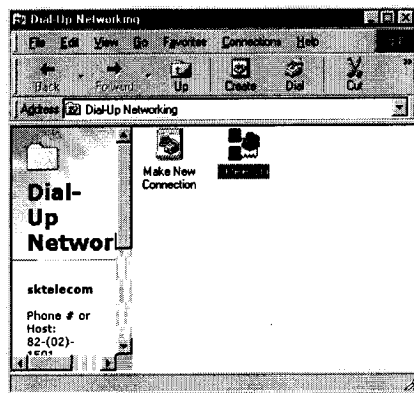
11. After setting the window as below, then click 'TCP/IP Settings...'. .



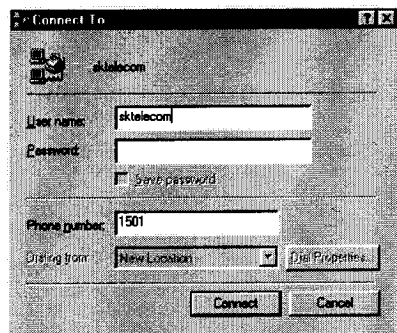
12. Select 'Server assigned IP address', 'Server assigned name server addresses' and 'Use default gateway on remote network'. Then click 'OK'. By these methods, properties setup has finished.



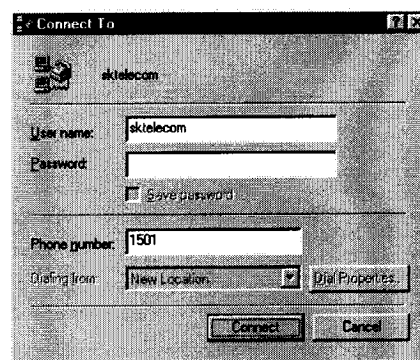
13. Double-click the new icon 'sktelecom' which is made in the 'Dial-up Networking' folder.



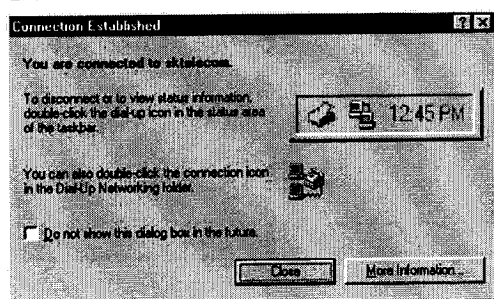
14. As the below window, type the user name like 'sktelecom' and click 'Connect'. User, password confirmation and network logon messages will appear. Then internet will be connected.



1. Select 'Start menu' -> 'Programs' -> 'Support Programs' -> 'Communications' -> 'Dial-up Networking', then click 'Connect'.

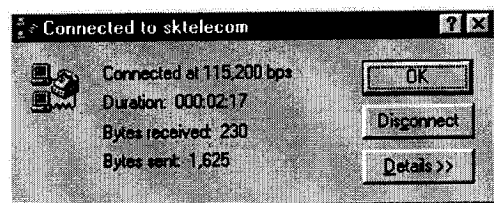


2. When connection has established, click 'Close'.



3. Double-click 'web browser'.

4. To disconnect, double-click the 'Dial-up Networking' icon in the right bottom side. Then click 'Disconnect'.



| symptoms                               | corrective action                                                                                                                                                                                                                                                  |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No connection                          | <ul style="list-style-type: none"> <li>- Check whether there is any problem with PCMCIA slot.</li> <li>- Confirm that YISO COM PORT is established correctly in System Properties.</li> <li>- Confirm that Dial-up Networking is established correctly.</li> </ul> |
| No e-mail service                      | <ul style="list-style-type: none"> <li>- Confirm e-mail account.</li> <li>- Confirm connection status.</li> </ul>                                                                                                                                                  |
| No facsimile transmission.             | <ul style="list-style-type: none"> <li>- Confirm that Net facsimile performance file has established or not.</li> <li>- Confirm connection status.</li> </ul>                                                                                                      |
| Setup program installation has failed. | <ul style="list-style-type: none"> <li>- Check whether there is any problem with SETUP Disc.</li> </ul>                                                                                                                                                            |

**Product name**

FREEWING (Wireless data modem of CDMA method)

**Model name**

YFW-0001

**External connection method**

CDMA

**CDMA usage specification**

IS-95B

**Data reception/transmission speed**

64kbps

**Reception method**

Double super heterodine

**Reception Frequency**

869MHz-894MHz

**Reception sensitivity**

Less than -104dBm (FER=0.5%)

**Transmission method**

Duplex operation system

**Transmission Frequency**

824MHz-849MHz

**Waveform quality**

More than 0.944

**Modulation method**

QPSK

**Power consumption**

(stand-by mode) approx. 38mA/(Busy mode)approx.500mA

**Rated voltage**

DC 5V notebook PCMCIA power

**Size**

109mm X 54mm X 5mm

**Weight**

50g

YISO2 2000.11.3 5:53 PM

**Customer's service center**

Free TEL : 080-576-7416

SEOCHO-GU, YANGJE-DONG 249, SEOUL

TEL : 02)576-7416

FAX : 02)576-1066



**[http : //www.yisotel.com](http://www.yisotel.com)**

"Licensed by QUALCOMM incorporated under one or more of the following  
United States Patent and/or their counterparts in other nations :

|           |            |           |           |           |
|-----------|------------|-----------|-----------|-----------|
| 4,901,307 | 5,490,165  | 5,056,109 | 5,504,773 | 5,101,501 |
| 5,506,865 | 5,109,390  | 5,511,073 | 5,228,054 | 5,535,239 |
| 5,267,261 | 5,544,196  | 5,267,262 | 5,568,483 | 5,337,338 |
| 5,600,754 | 5,414,796  | 5,657,420 | 5,416,797 | 5,659,569 |
| 5,710,784 | 5,778,338* |           |           |           |