INTERNET PHONE Manual

Model : Teliphone 3100

Read precautionary measures carefully before usage!

Before starting

This manual provides basic information concerning Teliphone3100 installation, connecting to the network and usage.
It contains Teliphone3100 product features, names and functions of the parts and usage methods.

In the case of any additional problems while using our product, one can contact technological assistance at the homepage below.

http://www.hsteliann.com

Before Using

In order to connect and use Teliphone3100 via the Internet, one must first subscribe to a high-speed Internet service. By high-speed Internet service, we are referring to ADSL, cable modem, private extension etc.

For those offices with a private line using a fixed IP, the telephone and PC must be

installed manually.

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Chapter 1. Before using

1. System summary and contents

A) Summary

Teliphone3100 is a VoIP (Voice over Internet Protocol) based telephone, which uses Internet circuitry (ADSL, cable, private line) in order to provide the user with the ability to place regular calls at low rates. The Teliphone3100, which is manufactured under strict guidelines and thorough adherence to product quality can be used in the same manner that one utilizes a regular telephone and because it possesses a regular telephone (PSTN) backup (optional) function, upon connecting to the regular telephone extension, one can select to use the regular telephone function when placing calls. Because Teliphone3100 is produced according to Internet telephone standards, it is simple to connect to other equipment and VoIP internal and external webs can be constructed with ease. Also, for the user's convenience, a convenient menu is provided and regional support is offered through SNMP/Telnet.

B) Contents

Open the Teliphone3100 box and check if the following items are contained inside

Teliphone3100

Adapter

LAN cable

Manual

The above contents must be verified.

In the case that there is a problem with the products contained within the box, contact the purchase location immediately.

C) Precautionary measures

Do not place product in direct sunlight.

Do not place product in proximity of furnace or heater.

Do not place product on rough or vibration-prone surface.

Do not place product in location with poor ventilation.

Remove plug when cleaning the product and never directly use water, benzene, thinner, alcohol etc. on the product.

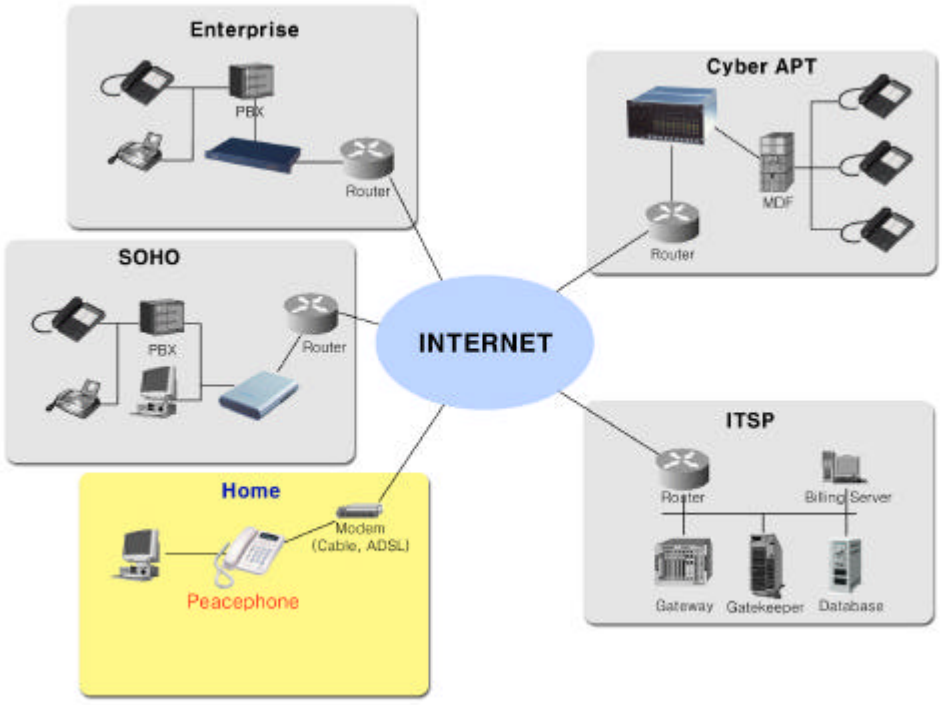
Do not place product in a location with lots of dust.

* Using this product's 'Call Transfer', 'Call Forward', 'Call Park', 'Call Pick Up' functions (HOLD, PARK, FWD, FLASH button usage) requires support from an ITSP(Internet telephony Service Provider) system or from a server connected to some other IP Phone. Also, these functions are applicable only when connecting between IP Phones, and not valid for connections via national lines. This is not a malfunction.

* This product received a B level certification for suitability of emitted electric waves and can be used in the residential setting and other environments as well.

2. Product summary

This product makes voice telecommunication possible by offering an analogue interface (handset, microphone, speaker) and an interface (VoIP) linking it with the packet switch network.



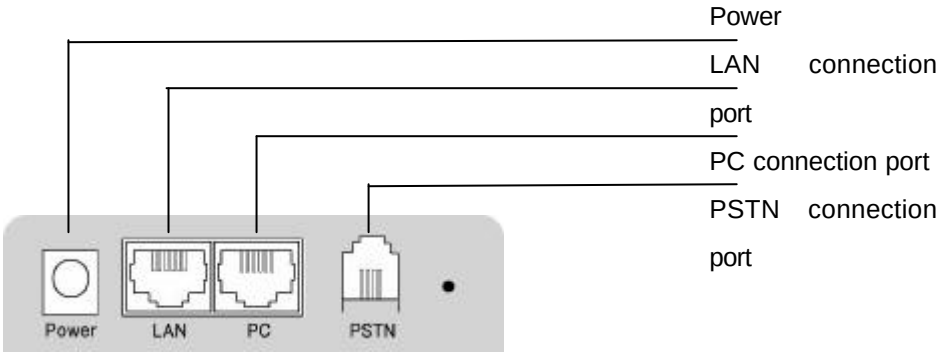
[System Diagram]

- IP Phone Summary

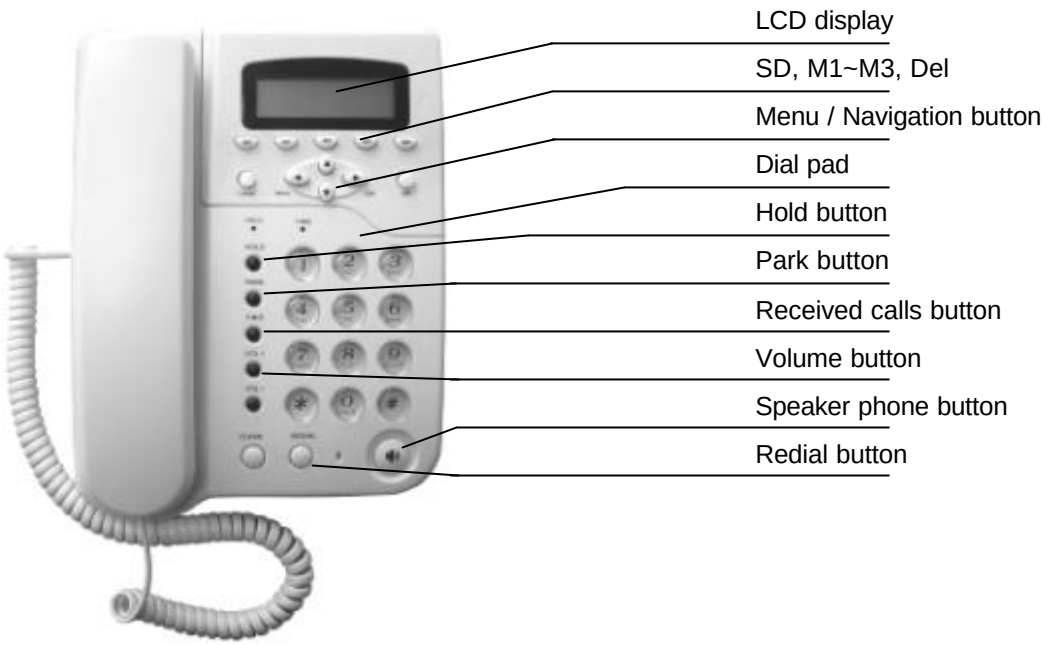
Category	Content
Suitable line	Ethernet web (ADSL, Cable, specialized line)
Method of line connection	Two RJ-45 Connectors (Plug Type), LAN and PC connection
Usage power	Fixed installation : 80~250V Free Volt Type
Telecommunication protocol	H.323v3, Option (H.450 1/2/3/4/5)
Telecommunication speed	10Mbps Ethernet
Voice compression	G.711, G.723.1, G.729.a

3. IP Phone Organization

A) Rear Organization



B) Button Organization



C) Explanation of button functions

The buttons and keys composing IP Phone are classified by type and an explanation of each button/key appears below.

Key name	Explanation
SD	Use to call up the menu Use to change between preferences when entering characters (English-capital and lowercase/numerical/special characters).
M1~M3	Speed dial
DEL	Use to make corrections to while entering Predial and Phone Book information.
▲	Moves up on the menu when pressed after pressing the menu button
▼	Moves down on the menu when pressed after pressing the menu button
► Call	Use to move to the right when editing the Phone Book Use to call up the Phone Book
◄ Menu	Use to move to the left when editing the Phone Book Use to bring up the menu, after entering the menu, use the direction arrows.
OK	Use after completion of editing of selected Phone Book
Cancel	Use to cancel the selected menu, entered data, etc.
HOLD	Use to place the connected call on hold
PARK	
FWD	Use to forward the received call to a third party
VOL + / -	Use to adjust the volume of the receiver
FLASH	Use to place another call while dialing or in the middle of a call
REDIAL	Use to redial the number last dialed
SPK	Press to carry on the call without picking up the receiver. Press again to turn off the speaker phone

	Classification	Explanation
LCD	LCD display	Displays the IP Phone menu, present state, etc. on the LCD screen (4x15)

Connector	PC connection port	When using a computer and LAN simultaneously, connect the UTP cable to the IP Phone's PC connection port and the computer's LAN port
	LAN connection port	Connect the LAN line to the LAN connection port of the IP Phone
	PSTN connection port	Connect the regular telephone line to the PSTN connection port of the IP Phone
	Power	Connect the adapter to the power

D) LCD Display

First line : State display – displays the present state of the IP Phone

Second line : Name display – displays the name entered by the user

Third line : Telephone number display – displays the number entered with the key pad

Fourth line : Balance(Prepaid) / Time display – displays the balance and the remaining time

The following are icons used to display the present state of the IP Phone

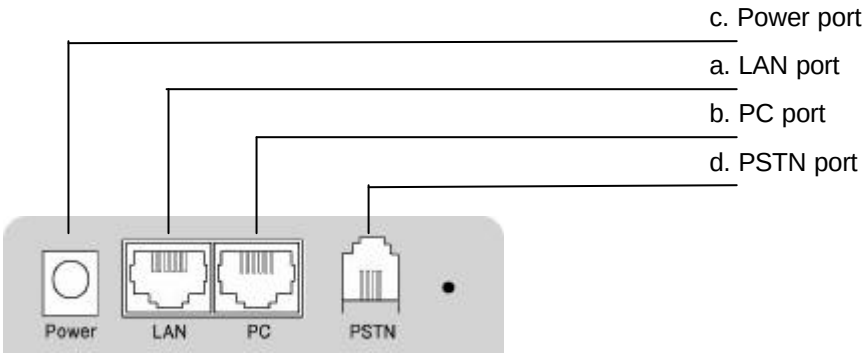
Icon	Name	Function
T.ıll	State of network	Displays the present state of the connected network. T flashing : awaiting reply from server T.ıll : connected to server
# a E 1	Entry mode	Displays the entry mode for English, numerical data. symbols: # , English lowercase: a , English capital: E, numerical: 1
	PC Link	Displays the connection state between the PC and telephone. 10M connection: , 100M connecton:
ST DH PP	Type of connection	Fixed IP : ST, DHCP : DH, PPPoE : PP

	UP Link	UP Link 10M connection : , 100M connection :
	Flash save display	Means that data is being saved in memory
	Call state display	Calling while in the main menu : , unsuccessful call : Successful connection while in Phone Book : , unsuccessful call connection :

Chapter 2. Installation of IP Phone

1. Before installation

A) Port



a. Connect the Ethernet line to the LAN port.
b. In case of using a computer and a PC simultaneously, the LAN card of PC to the PC port.
c. Connect the adapter to the power port.
d. When using the existing phone with IP Phone, connect the existing phone line to the PSTN port.

When connecting IP Phone to the adapter, the sequence is as follows. Initializing → Booting → Booting: completed

When booting is completed properly, the display at the left will appear.

B) Automatic search function for Internet connection.

This IP Phone has a MAC Cloning and Network Detection function. Even if the user possesses no previous knowledge concerning network configurations, this function recognizes the user's network configuration and automatically runs the network installation process

a) MAC Cloning

Internet Service Providers (ISP) can assign IP addresses because of the ability to discern between

hardware addresses (MAC address) through the information on individual network cards. Accordingly, if Teliphone3100 is to properly be assigned an IP address from the ISP, the IP phone must have the hardware address (MAC address) on the network card that the user received from the ISP. This function, which automatically locates the MAC address of the user's PC and assigns it to the IP Phone, is called the MAC cloning function.

b) Network Detection

This function automatically recognizes the user's network configuration (fixed IP, free IP, ADSL) and performs network installation.

c) Automatic server authentication

The gatekeeper IP, H.323 ID, and E.64 number are automatically installed into the telephone with no need for manual entry, allowing for product use immediately after the completion of telephone booting.

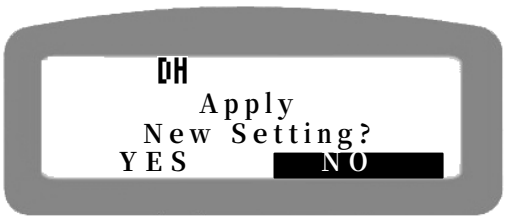
Reference: The automatic Network Detection won't work if you are using a dedicated line, KT ADSL MyIP, or KT ADSL Multi IP. In the case that a dedicated line, KT ADSL MyIP, or KT ADSL Multi IP is being used, set up according to the following instructions. 4. Manual Network connection→ 1) When using the Static mode. In the case that a VDSL is being used, set up as follows. 4. Manual Network connection→ 1) When using the DHCP mode.

2. Set up using automatic Network connection

For automatic Network connection operate as follows. "Menu → 4:NET DETECTION → 1:RUN"

Executing the Net Detection command, commences an examination of the network presently being used.

Cable modems are applied after rebooting, and in the case of ADSL, application will follow rebooting after entering the ID, and Password



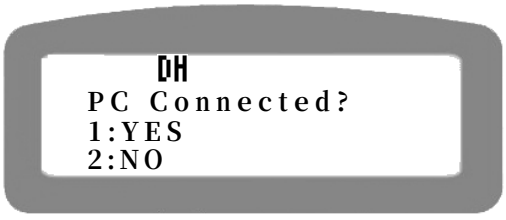
3. Mac Cloning

A) Fetching the MAC ADDRESS

Depending on the company offering Internet access, there are occasions in which certification is via the network address card on the PC. In this instance, the network card address of the PC must match the network address of the IP Phone. The function which allows for this matching is called Mac Cloning.

In order to commence Mac Cloning “Menu → 3:Management → ENTER PASSWORD (Password :0000) → 5:Network → 4:Net Detection → 2:Get PC Mac”.

Select “2:Get PC Mac”.



If one presses the “OK” button and “1:YES”, a message indicating restarting the COMPUTER will appear at which point, the telephone and the connected computer are to be rebooted.

※ Warning : At this time, the computer must be in the automatic Internet connection mode (DHCP).

This screen will be displayed until the computer is finished rebooting. After rebooting, the computer’s MAC Address will be selected to match the telephone’s MAC Address (MAC Cloning). This is merely a step in order to set up a normal network

B) MAC Initialization

In the case that the user desires to restore the fetched MAC Address to the originally set value of the telephone at the time of factory shipment “Menu → 3:Management → ENTER PASSWORD (Password:0000) → 5:Network → 4:Net Detection → 3:MAC RESTORE”

When executing Mac Restore, the menu at the left will appear. Selecting “1:INITIALIZE” initializes the MAC to the original state.

4. Settings for Manual installation

Confirm the name of the service provider presently being used below and proceed to “Settings method”

In the case that one doesn't know the type of service being used presently,

Refer to the information displayed on the external modem, or confirm by checking the connected cable.

If one proceeds with the certification process while connected by telephone line with the PC turned on, refer to PPPoE mode (ADSL) connection settings, and if there is no certification process regardless of the fact that there is a viable telephone line connection and the PC is turned on, refer to (B&A, LAN, VDSL etc) DHCP mode connection settings.

In the case that one is connected via coaxial cable (thick line as an antennae line) refer to DHCP mode connection settings.

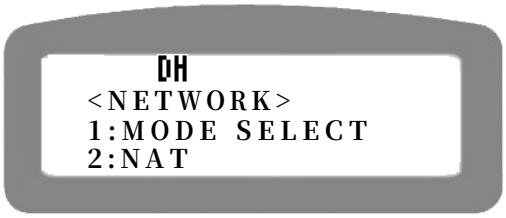
ISP	Name of service	Type of line	Type of IP	Settings mode
Hanaro Telecommunications	ADSL-Pro ADSL-Mid ADSL-Lite	Telephone line	Static	PPPoE mode
	ADSL-Soho ADSL- Multi ADSL- Family	Telephone line	Static	PPPoE mode
	B&A	Telephone line	Static	DHCP mode
	A-Lan	LAN	Static	DHCP mode
	Cable-Pro Cable -Lite Cable -Profamily Cable -Multi Cable -Holmren	Cable	Static	DHCP mode
	e-Valley(E) e-Valley(E) Family	LAN	Static	DHCP mode
	e-Valley(V) e-Valley(V) Family	Telephone line	Static	DHCP mode
Korea Telecommunications	My IP Multi IP	Telephone line	Static	Static mode

	ADSL-Premium ADSL-Lite	Telephone line	Static	PPPoE mode
	ADSL-HomeNet ADSL-OfficeNet	Telephone line	Static	PPPoE mode
	B&A	Telephone line	Static	DHCP mode
	VDSL, xDSL Service	Telephone line	Static	DHCP mode
	Ntopia	LAN	Static	DHCP mode
	NESPOT	Telephone line	Static	DHCP mode
Thrunet	Cable Internet Line plus	Cable	Static	DHCP mode
	Cable Internet Premium	Cable	Static	DHCP mode
	Cable Internet Lite	Cable	Static	DHCP mode
	Cable Internet Savaer	Cable	Static	DHCP mode
	Multiplus TUT	Telephone line	Static	DHCP mode
SK Telecom	Synchroad(Office)	Cable	Static	DHCP mode
	Synchroad(Family)	Cable	Static	DHCP mode
Shinbiro	Shark Multi-line Shark Soho Shark Double Premium Shark Premium	Cable	Static	DHCP mode
	Shark Double Optima Shark Optima	Telephone line	Static	DHCP mode
	Shark VDSL	Telephone line	Static	DHCP mode
Other Cable providers	District Cable service providers	Cable	Static	DHCP mode

✓ In the case of ADSL service (IP-ADSL), which has a built-in automatic connection function, refer to the 'DHCP mode' before making settings. Some automatically ADSL services are fitted with an illegitimate, uncertified IP. In this scenario, one must replace the modem via the service provider in order to receive normal service.

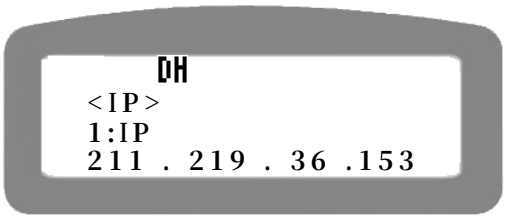
After confirming the network type presently in use and installation method, "Menu → 3:Management → ENTER PASSWORD (Password:0000) → 5:Network → 1:Mode Select" and

select the type of network desired.

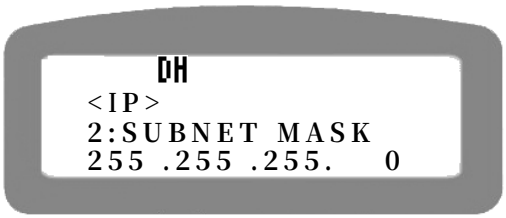


A) For Static mode

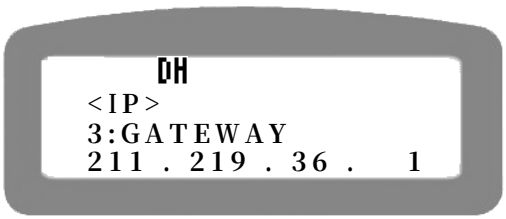
In the case that the user's network configuration utilizes a static IP, select "1:LAN (STATIC)".



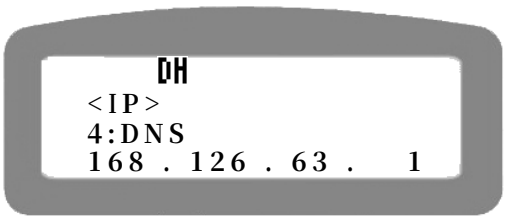
After entering the IP address given by the Network manager, press the 'OK' button.



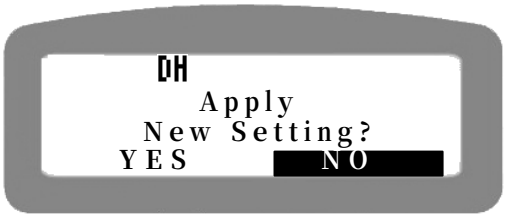
Enter the Subnet Mask given by the Network manager. Press 'OK' and proceed to the next settings menu.



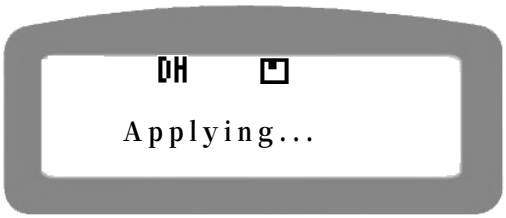
After entering the Default Gateway address given by the Network manager, press the 'OK' button.



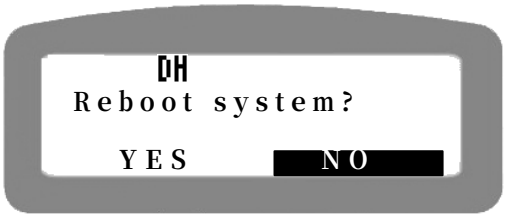
After entering the DNS address given by the Network manager, press the 'OK' button.



In order to apply the new settings, select 'YES' and press 'OK'. Press 'NO' and press 'OK' in order to not apply the new settings.



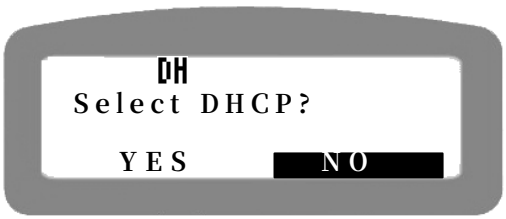
This screen will appear for about one second, saving the new settings.



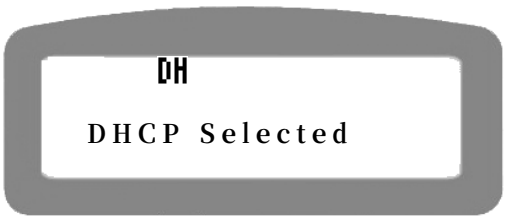
Select 'YES' and press the 'OK' button in order to reboot the system.

B) For DHCP mode

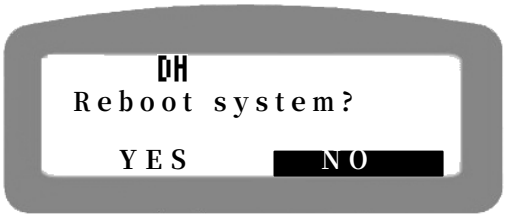
In the case that the user's network configuration utilizes DHCP, select "2:DHCP".



In order to apply the new settings, select 'YES' and press 'OK'. Press 'NO' and press 'OK' in order to not apply the new settings.



This screen will appear for about one second, after saving of the new settings.

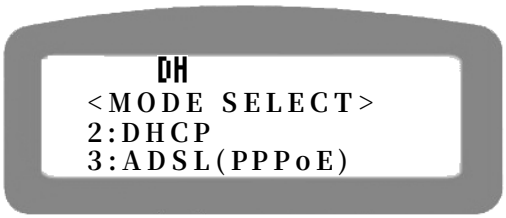


Select 'YES' and press the 'OK' button in order to reboot the system.

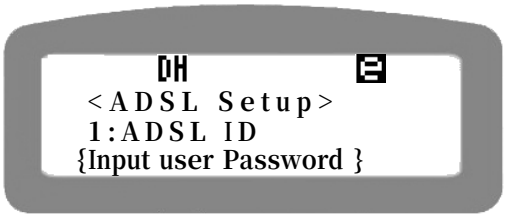
- ✓ There are instances in which Internet access is possible when directly connecting the computer to the Internet and not possible when connected to IP Phone. This arises due to the fact that some cable Internet providers register the hardware address of the rem-card and only authenticate the computer. In this case, reset the cable modem power and initialize the cable modem memory. After resetting the IP Phone power, reattempt Internet connection.

C) For PPPoE mode

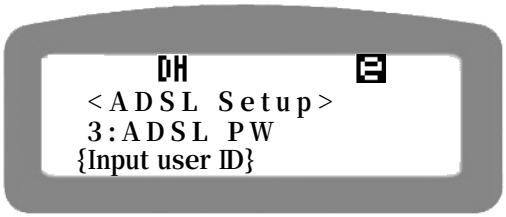
- ✓ Warning : For users with an ADSL modem, before product installation, remove the ADSL connection program (ACEMan-pro, WinpoET, ENTERNET etc.) installed on the computer. If the ADSL connection program is not uninstalled, there may be problems with Internet connection after product installation (Refer to appendix).



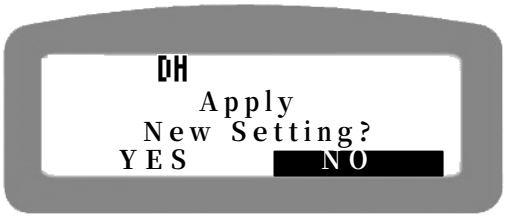
In the case that the user's network configuration utilizes ADSL, select "3:ADSL(PPPoE)".



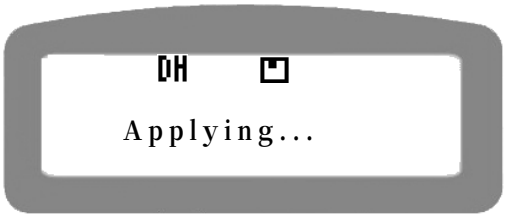
After entering the ADSL ID press the 'OK' button.



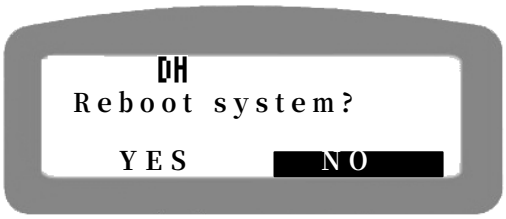
After entering the Password, press the 'OK' button.



In order to apply the new settings, select 'YES' and press 'OK'. Press 'NO' and press 'OK' in order to not apply the new settings.



This screen will appear for about one second, saving the new settings.



Select 'YES' and press the 'OK' button in order to reboot the system.

✓ In the case that the ADSL modem user cannot obtain Internet connection, reconfirm the registered ID with the ADSL service provider and that the Password is entered correctly in the IP Phone. Also, IP Phone may require a long time to connect to the Internet web of the ADSL service provider. IP Phone is continuously attempting to make a connection, so please wait.

D) Confirming Personal network information

One can confirm the network information presently set in the IP Phone. "Menu → 3:Management → ENTER PASSWORD (Password:0000) → 7:INFORMATION"

In order to the presently set network information, select "1:NETWORK", for IP Phone information, "2:VERSION".

Chapter 3. Using the IP Phone

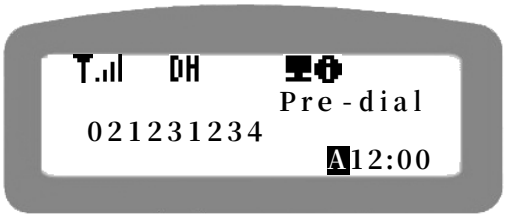
1. Placing a call

Placing and receiving calls are divided into VoIP and PSTN modes and each must be used appropriately.

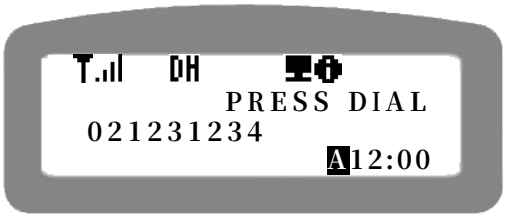
"#" button: when attempting to place a call in the VoIP mode, press the '# button' after entering the number desired to immediately attempt a connection.

A) Placing a call in the VoIP mode

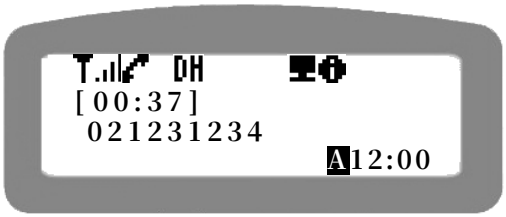
- On Hook mode (Placing a call using the Pre-dial function)



Enter the number one wishes to call without picking up the receiver (ex:021231234)
After entering the telephone number, press the 'speaker phone'button or pick up the receiver.



In a few moments, along with the ringer sound one can confirm that the call is being placed.

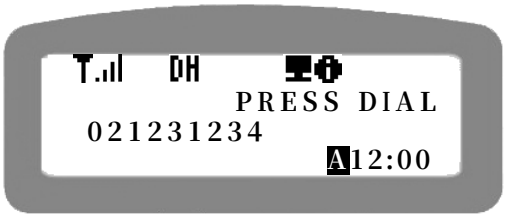


When the connection is made with the desired party, the calling time appears on the display and the call is commenced.

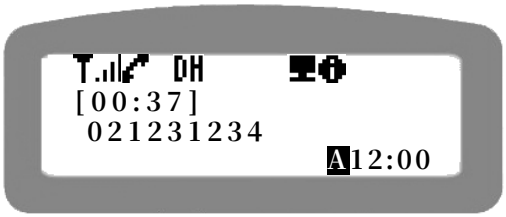
*If the Area Code is in the Enabled state, there is no need to enter the Area Code when dialing in by Pre-dial.

- Placing a call in the Off Hook mode
-

Upon picking up the receiver, the user can attempt a call after hearing the dial tone.
(display with the Area Code enabled)



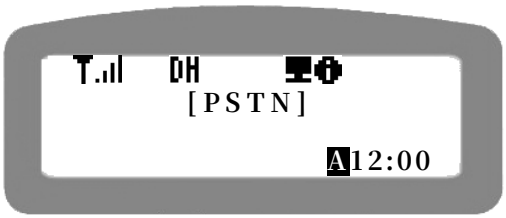
Enter the number of the person one wishes to call.



Upon connection with the desired party, the calling time is displayed on the screen and the call is commenced.

B) Placing a call in the PSTN mode

The PSTN mode is only active with the telephone line connected to the IP Phone's PSTN port. The PSTN mode can be activated by the lack of a network connection or by pressing the '#' button on the IP Phone.



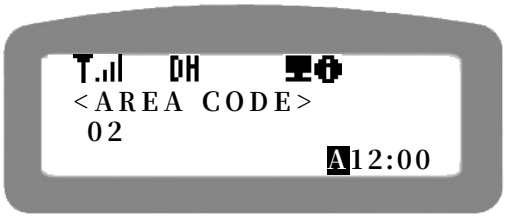
2. Entering user name

One can change the name that appears at the initial screen. In order to modify user name "Menu → 3:Management → ENTER PASSWORD (Password:0000) → 1:MY NAME"

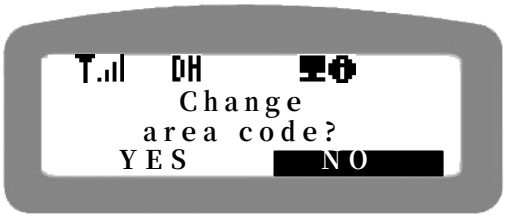
After entering user name, press 'OK' button.

3. Area code

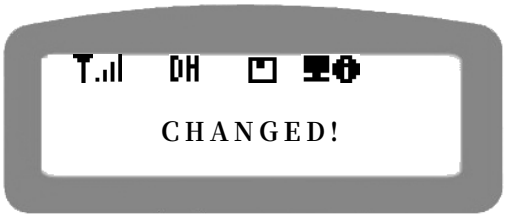
By entering the area code in advance, one can conveniently place calls without having to enter the area code when dialing in the VoIP mode. In order to enter the area code, "Menu → 3:Management → ENTER PASSWORD (Password:0000) → 2:AREA CODE"



After entering the area code to be automatically selected, press 'OK' button.



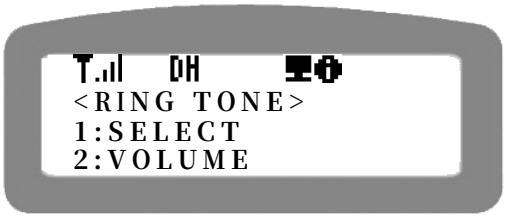
Select 'YES' and press the 'OK' button in order to reboot the system.



After entering the area code to be automatically selected, press 'OK' button.

4. Selecting ringer type/volume

The user can select the desired ringer type on the IP Phone. Selecting "Menu → 2:RING TONE" allows for selection of ringer type and volume.



In order to change the ringer type, select "1:SELECT", in order to adjust the ringer volume, select "2:VOLUME".

5. Using the Phone Book

Pressing the 'CALL' button at the IP Phone initial display, brings the user to the Phone Book display and settings menu.

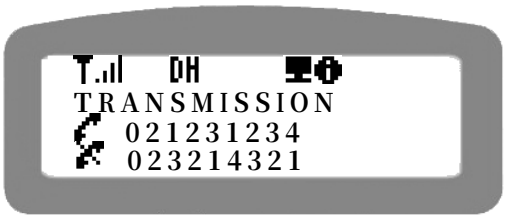
Rules for key entry

- When entering a name, use the ▶button on the key pad to move the cursor one space to the right.
- When entering a name, use the ◀button on the key pad to move the cursor one space to the left.
- In order to proceed from a main to a sub menu, pressing the 'OK' button or the menu button.
- Pressing the 'DEL' key erases one character from the present location of the cursor.
- When registering a telephone number, pressing the 'SD' button allows the user to change the character type. (:special characters, :English-lowercase, :English-capital, :numerical)
- The special characters may be visualized by repeatedly pressing the '0' Key before selection.
- For English characters, pressing the numbers on the keypad more than once corresponds to the characters displayed on the keypad in the numerical order..

A) List of recent calls

Press 1 to scan or delete the list of recent calls.

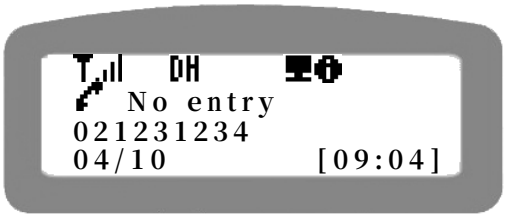
For a list of received calls, select "1:RECEPTION", for a list of transmitted calls, select "2:TRANSMISSION".



The calls are displayed from the most recent, successfully connected calls by , and unsuccessful connections by .

In order to see more detailed information, select the number of the call and press the 'SD' button.

In order to see details, "VIEW", in order to delete the corresponding list, select "DELETE".



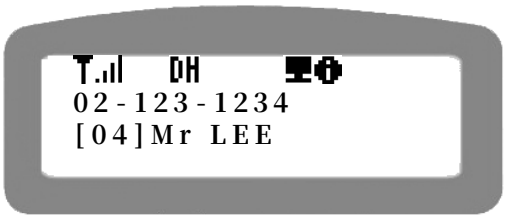
Selecting "VIEW" displays the date and time of the call, with the name registered to the telephone number also being displayed. Press '▲'or '▼'to see information on the previous or following telephone number.

B) Searching for telephone numbers

In order to find a telephone number registered in the Phone Book, select “2:SEARCH”.

Select 1 in order to search by saved address.

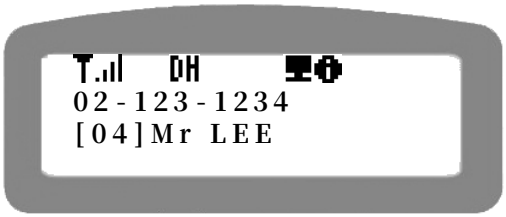
After entering the number of the address desired, press the ‘OK’ button.



The telephone number and name corresponding to the address are displayed.

In order to search by saved name, select 2.

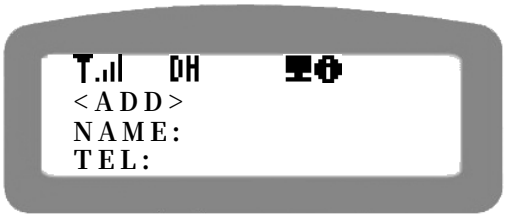
After entering the desired name, press the 'OK' button..



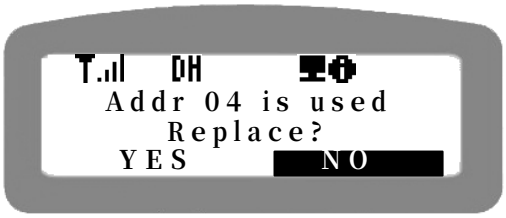
The telephone number and name corresponding to the person are displayed.

C) Telephone number registration

In order to newly register a telephone number, select "3:ADD". A maximum of 50 names and telephone numbers can be saved in memory.

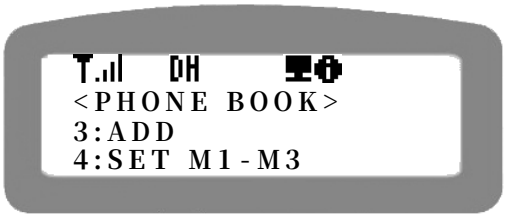


Enter name, telephone number and registered address (in that order) and press 'OK' to save the information.

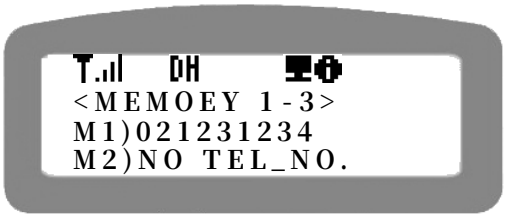


In the case that one attempts to save in an already registered address, the following message will appear. In order to overwrite the existing number, select 'YES'. Select 'NO' in order to register in new address.

D) Number in memory



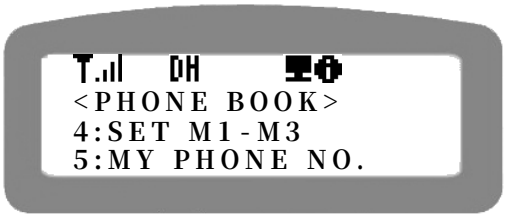
One can set frequently dialed telephone numbers in the IP Phone memory under the M1~M3 buttons for one key dialing.



In order to change or register a new number, select the desired number using '▲' or '▼', and press the "SD" key.

After entering the frequently dialed number, press the 'OK' button.

E) Viewing user number



In order to see the telephone number presently registered in the IP Phone, select "5:MY PHONE NO.".

<MY PHONE NO.>
02-987-6543

Chapter 4. Basic network settings in order to use the Internet from a PC

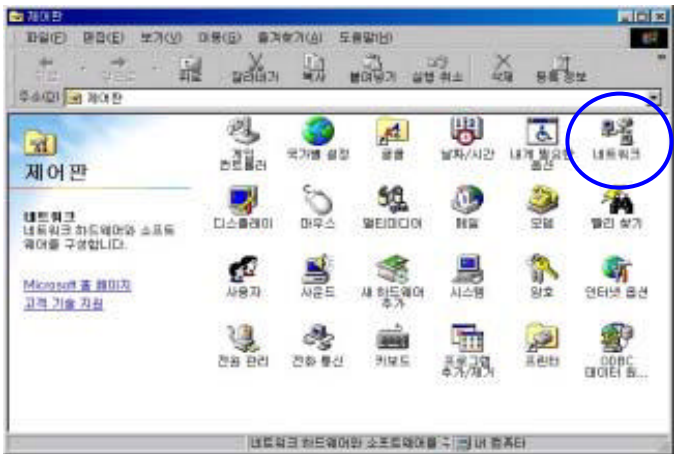
By using the IP Phone's IP joint usage function, the user can simultaneously use the IP Phone and the Internet with a single Internet line. In order to do this, one must set the PC or confirm present settings so that the PC can access that IP Phone.

After commencing settings, ADSL users must not use a connection program. Those users who are already connected must terminate the connection or begin settings after rebooting the PC.

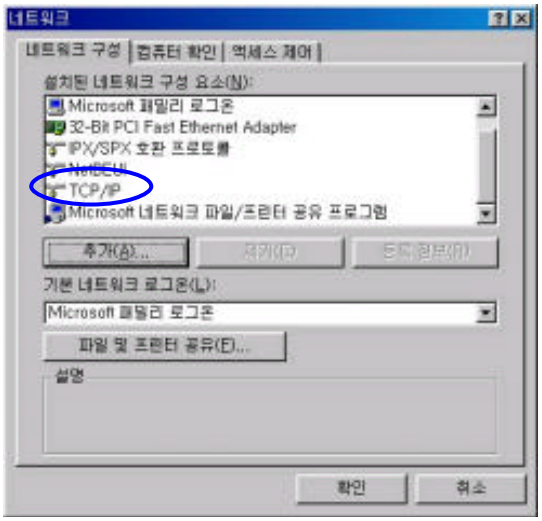
In order to delete the ADSL connection program, refer to appendix 1.

1. Windows 95/98/ME

A) Windows initial menu settings → Click on the 'control pane'l and the following screen will be displayed. Double click on the 'network' icon.



B) Under 'Network information', " select 'TCP/IP' from the installed network elements and click on registration information. (one must select the TCP/IP of the rem card presently in use).



C) Select the radio button in front of 'automatically assign IP address' in the IP address category, under "TCP/IP registration information".

D) Remove the ‘installed gateway’ under the ‘Gateway category’.

i.

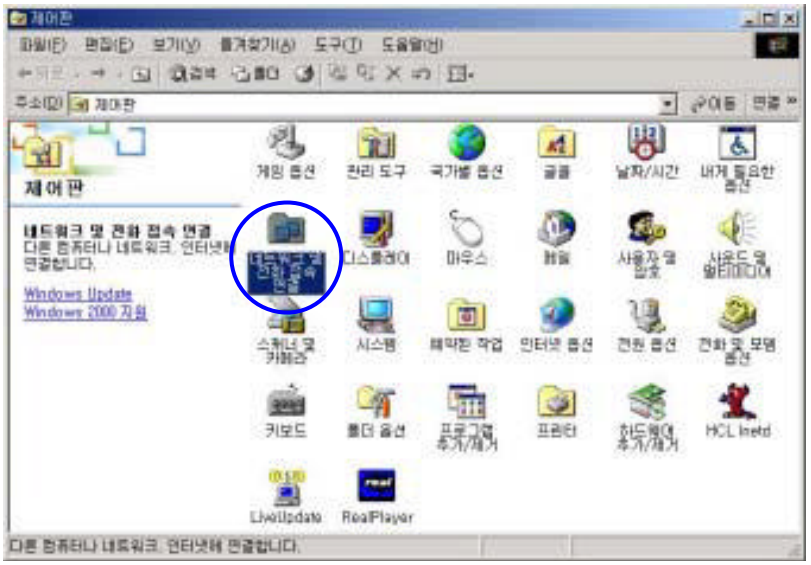
E) Select the radio button in front of ‘Do not use DNS’ in the ‘DNS components category’.

F) Click ‘OK’. The ‘Network’ screen will be displayed again, and after pressing ‘OK’, depending on the PC, Windows95/98/ CD will be required. Insert the Windows 95/98 CD and click on the ‘OK’ button. At the popup window, click ‘OK’ to reboot the system.

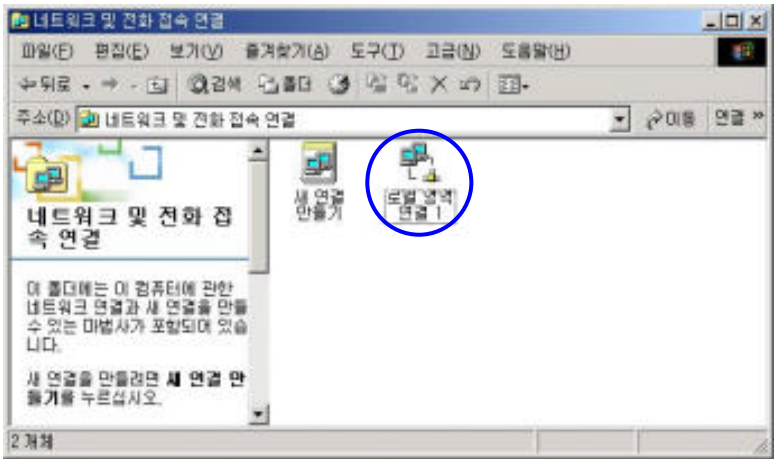
G) After rebooting the computer, one can use the Internet.

2. Windows 2000

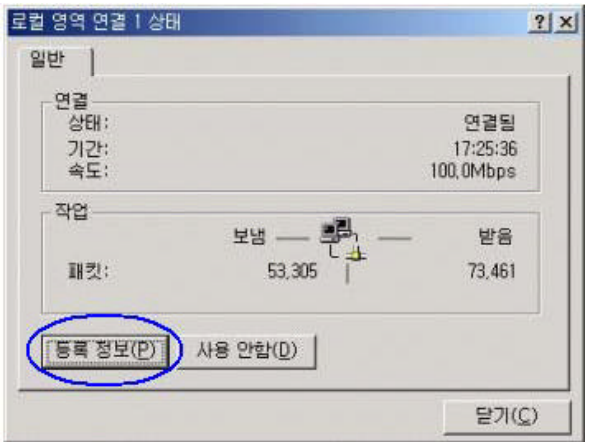
A) Windows start menu settings → Click on the 'control panel' and the following screen will be displayed. Double click on the 'network and telephone connection icon.



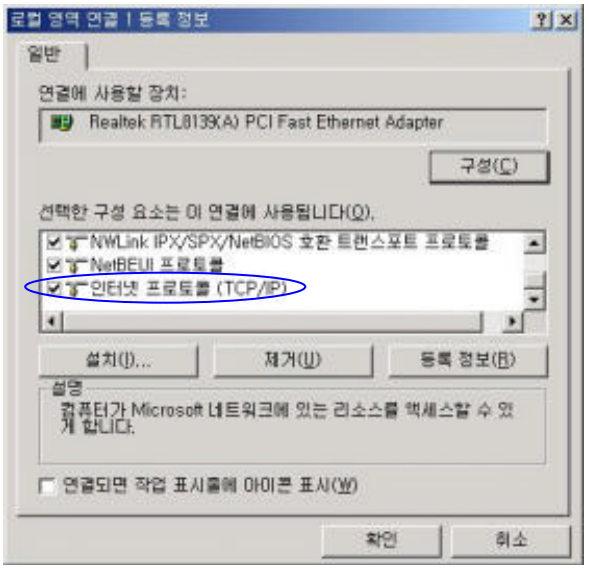
B) Double click on the 'local network connection' (there may be several depending on the user's network, select the local network presently being used).



C) "Click on 'Registration information'.



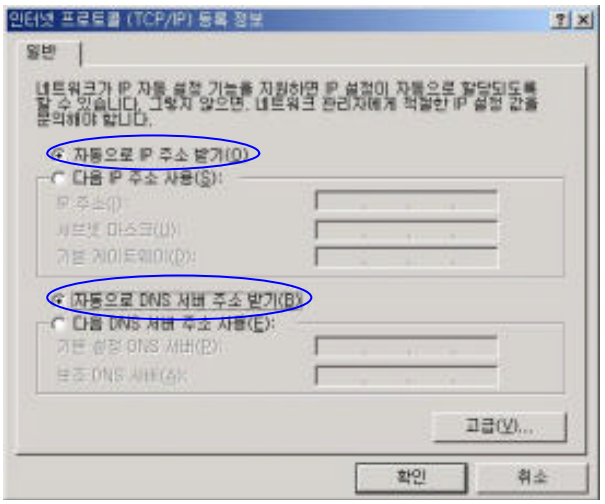
D) Double click on 'Internet Protocol' (TCP/IP)'.



E) Select the radio buttons in front of 'automatically receive IP address' and 'automatically receive DNS server address' and press 'OK'.

The 'local network connection' screen will be displayed. Press 'OK' and close all 'network and telephone connection' screens.

i.

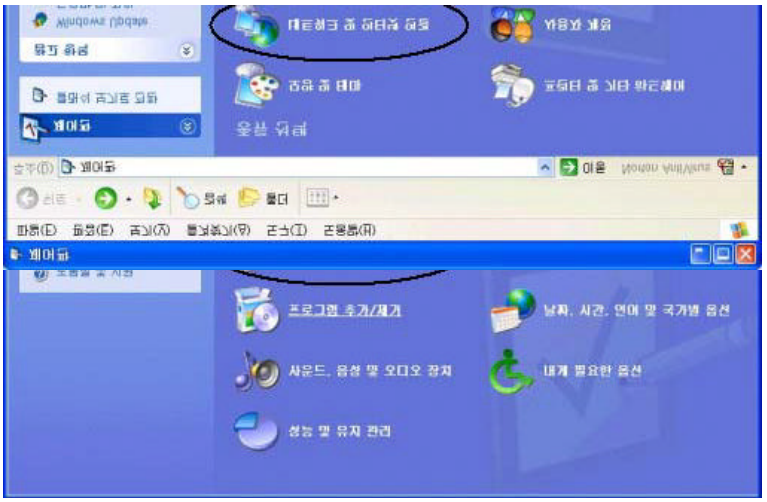


F) After completion of all settings, one can use the Internet.

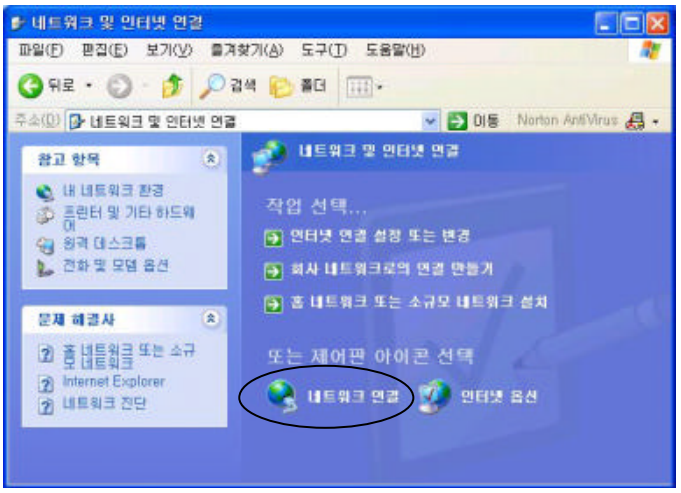
Windows2000 does not normally require rebooting, but in rare instances, it is required.

3. Windows XP

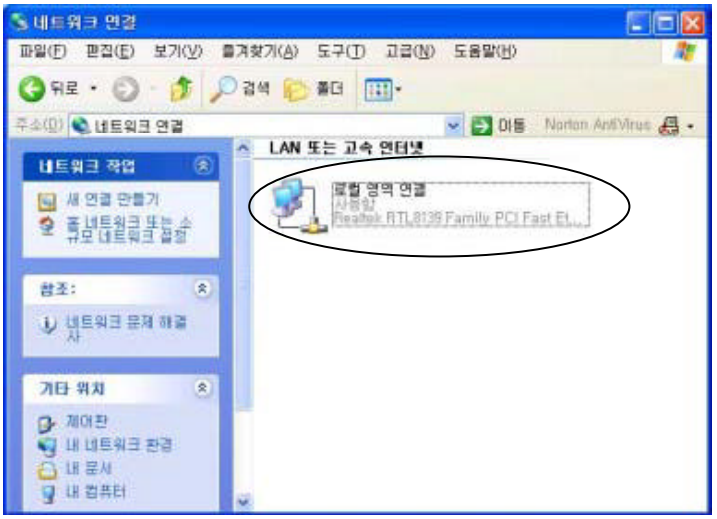
A) Windows start menu settings → Click on the 'control panel' and the following screen will be displayed. Double click on the 'network and telephone connection icon.



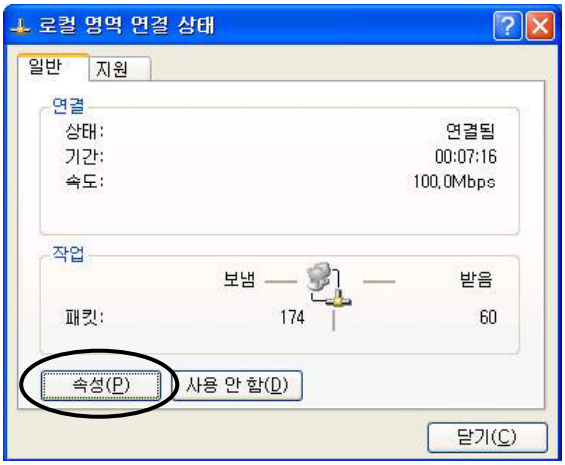
B) Double click on the 'local network connection'.



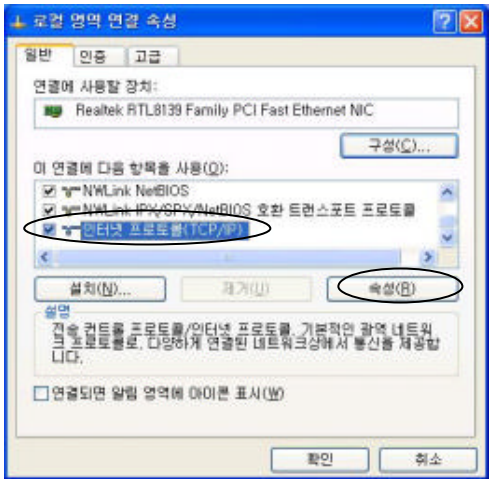
C) Double click on the 'local network connection' (there may be several depending on the user's network, select the local network presently being used).



D) Click on ‘characteristics’.

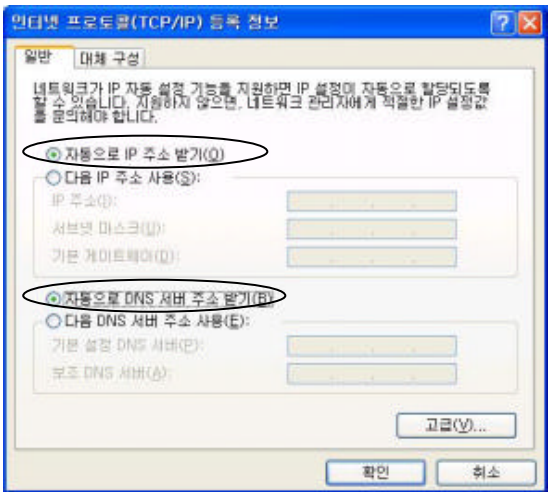


E) Select ‘Internet Protocol’ (TCP/IP) and click on the ‘characteristics’ button.



F) Select the radio buttons in front of ‘automatically receive IP address’ and ‘automatically receive DNS server address’ and press ‘OK’.

The ‘local network connection’ screen will be displayed. Press ‘OK’ and close all ‘network and telephone connection’ screens.



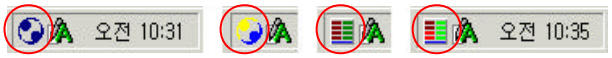
G) After completion of all settings, one can use the Internet.

Appendix 1. Removing the automatic connection program

In order to use the Internet from one's PC upon installing the IP Phone, it is recommended that the user removes the ADSL automatic connection program installed on the PC. Failure to delete the program may result in inability to normally connect to the Internet from one's PC.

1. ACEMan-pro

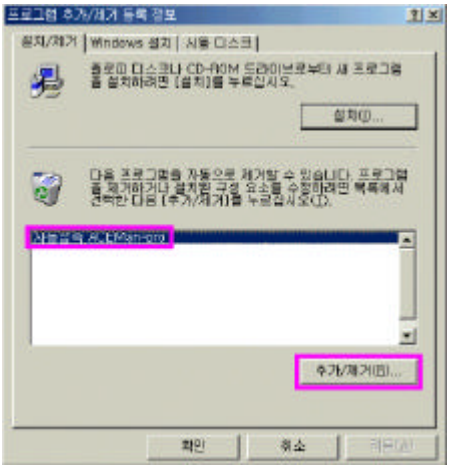
ACEMan-pro automatic connection program always run with the start of Windows. The appearance of the following icons on the tool bar after booting of Windows means that ACEMan-pro is installed.



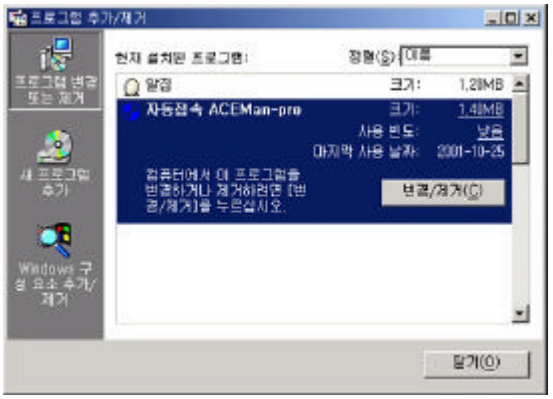
In this case, perform the following.

After double clicking on the 'Program add/delete' under the Windows control panel, select the 'add/delete' button and delete the program.

(Windows 98 user)



(Windows 2000,XP user)

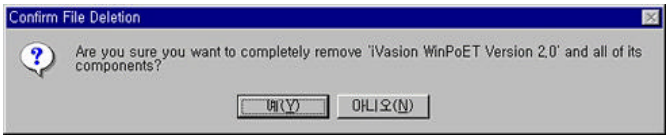


2. WinPoET (Windows 95, 98, ME, 2000, XP same)

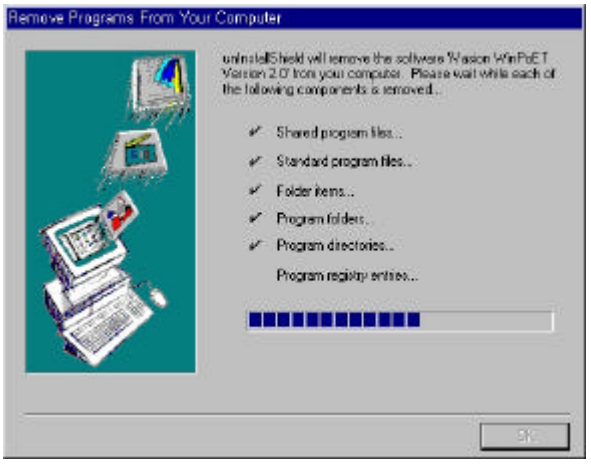
WinpoET automatic connection program always runs with the start of Windows. If the following icon appears after booting of Windows, it signifies that WinpoET is installed.

Perform the following.

1) If either WinPoET is presently running or there the user is connected to the Internet, terminate Internet connection and end WinPoET.
2) Select “Start] → “Program] → “iVasion] → “WinPoET] → “Uninstall WinPoET]. A popup asking whether the user wishes to completely remove Korea Telecom ADSL and all of its components. Select ‘Yes’.

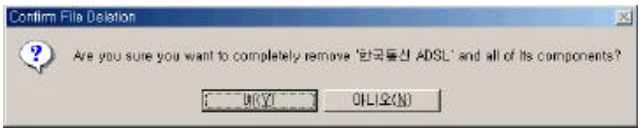


3) The appearance of a complete message screen after deleting WinPoET – related files, means that the deletion process has been completed.

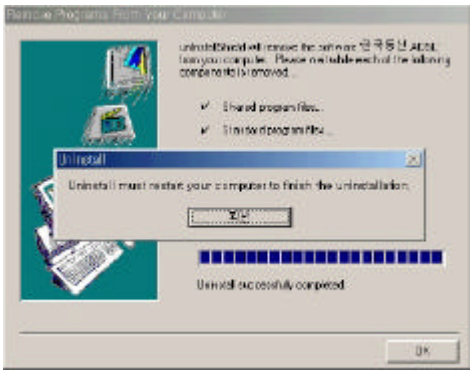


3. EnterNET (Windows 95, 98, ME, 2000, XP same)

1) Select “Start] -> ‘Program] -> “NTS Korean Telecom ADSL] -> “Uninstall Korea Telecom ADSL].
2) A popup asking whether the user wishes to completely remove Korea Telecom ADSL and all of its components. Select ‘Yes’.



3) If a message screen appears after deleting the EnterNet program, press ‘confirm’.

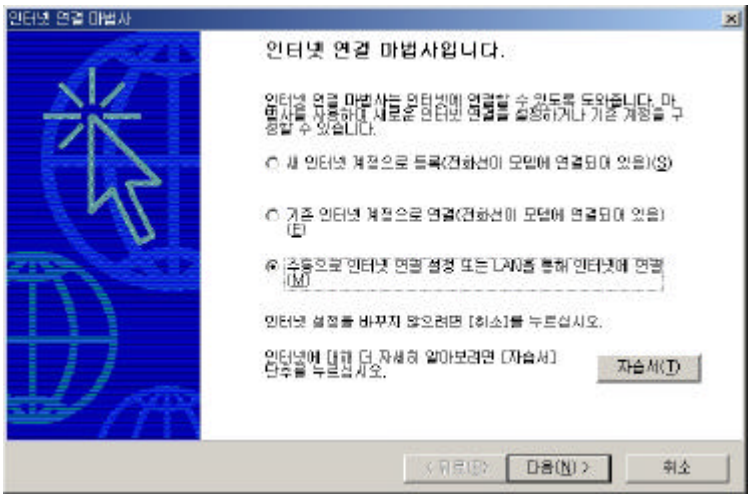


4. Changing Internet Settings

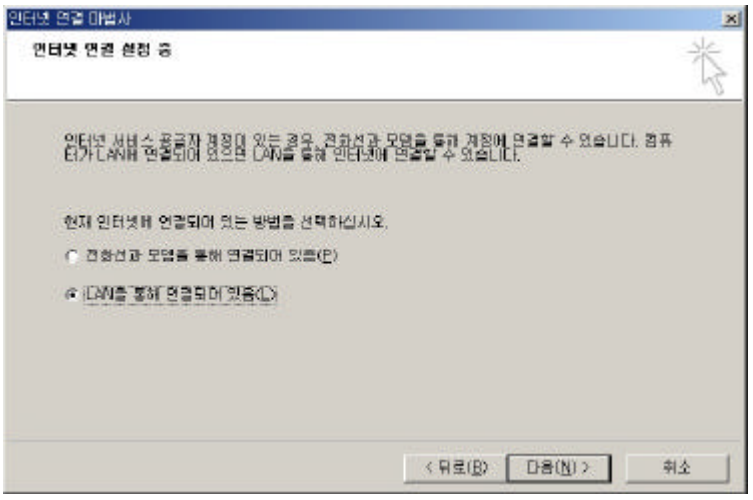
If one is unable to access the Internet through the PC even after deleting the ADSL connection program, change the Internet settings as follows.

(Windows 9X, ME, 2000 user)

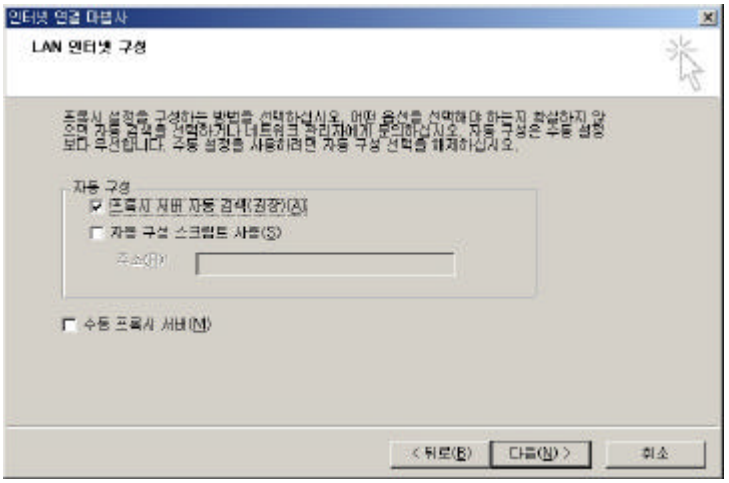
1. Click on Windows Start and ‘Program’ → “Accessory program” → “Communication” → select “Internet connection wizard”. Select ‘manually set Internet connection or Internet connection via LAN’ and press ‘next’.



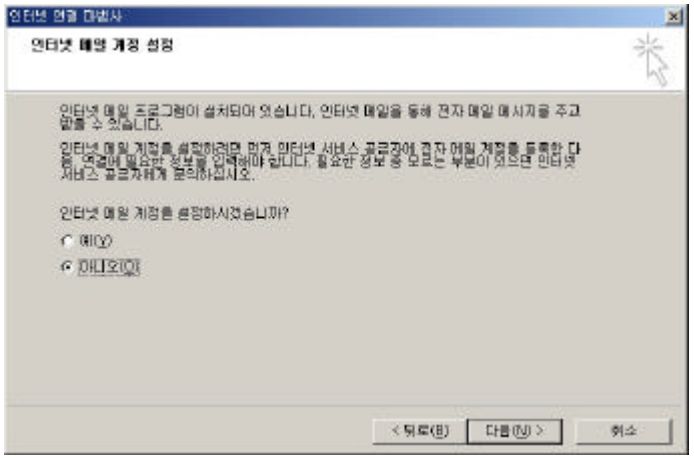
2. Select ‘connected via LAN’ and press ‘next’.



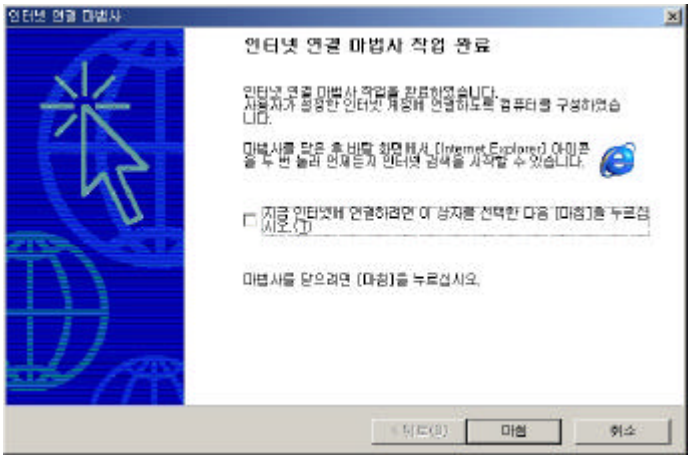
3. Set as appears below and press ‘next’.



4. Select ‘No’ at the following screen and press ‘next’.

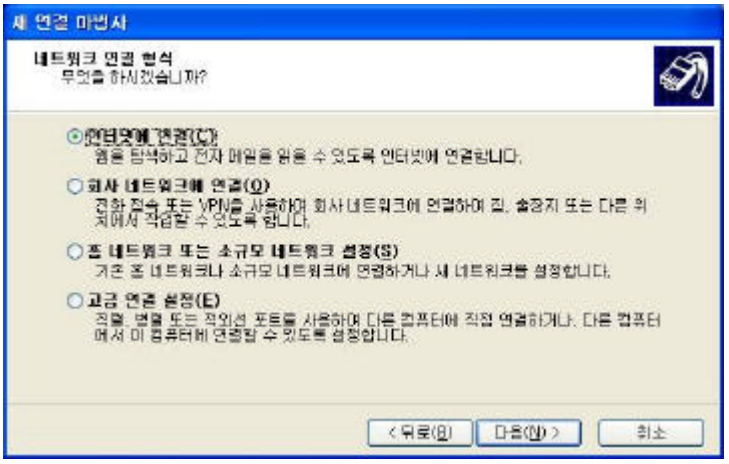


5. Press ‘Finish’ at the following screen.

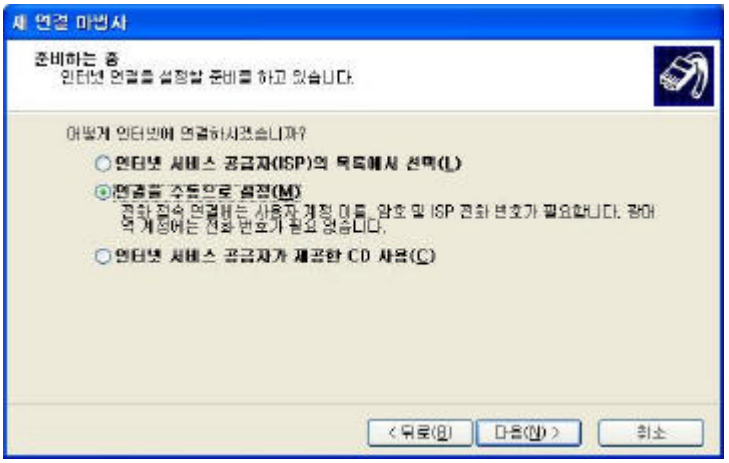


(Windows XP user)

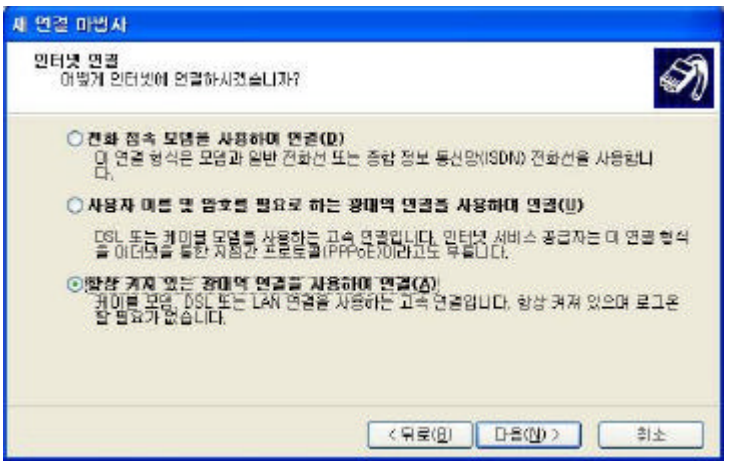
Click on Windows Start and ‘Program’ → “ Accessory program” → “Communication” → select “New connection wizard”. After selecting ‘Internet connection, press ‘next’.



1. Select ‘manually set connection’ and press ‘next’.



2. Select ‘Connection via vast connection/always turned on’ and after pressing ‘next’, click on ‘Finish’.



Product Warrantee

- We wish to thank you for purchasing our product. We are doing all we can to ensure product quality, but in the case of malfunction, we urge you to receive the necessary service.

Product name	***Teliphone 3100***
Product number	
Purchase date	year month day
Purchase location	

- **Contents of warrantee**
  1) Free after service can be received for product malfunction for one year from the purchase date (duration of quality guarantee).
  2) The following correspond to charged service
     - Malfunction attributable to customer mishandling
     - Malfunction due to natural disaster (fire, earthquake, flood, lightning etc.)
     - Malfunction due to problem in used power source.
     - Malfunction due to problematic adaptor.
     - Malfunction arising from non-certified service staff attempting to repair or clean product.

FCC Compliance Statements

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

Warning : Your are cautioned that any change or modifications to the equipment not expressly approved by the party responsible for compliance could void your authority to operate such equipment.