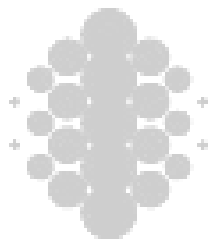


ESC1700 Manual v.3

- Contents -

1. Installation of ESC1700
 2. PC set up
 3. Network Set up
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- Appendix



ELESIGN

This manual is to configure and evaluate ESC1700.
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Tel: 82-2-866-6190
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ESC1700

ESC1700 is a 1-port gateway, which enables Internet phone call thru existing conventional phone. It's a stand-alone device, which means no PC connection is necessary to use ESC1700 except for the initial configuration thru built-in web-server.

This manual is to be used for

- ✓ The evaluation of standard features in various VoIP network system for those who want to employ H.323 based solution
- ✓ The interoperability with various VoIP gatekeeper and VoIP gateways to produce the optimized product
- ✓ The marketing tools, especially to present to the overseas customers who need to test ESC1700 without any representative from Elesign.

This manual and web-based configuration is for the experts or the engineers who are familiar with the system.

Components check list

- ✓ 1 ESC1700
- ✓ 1 RJ-45 Cable
- ✓ 1 RJ-11 Telephone line

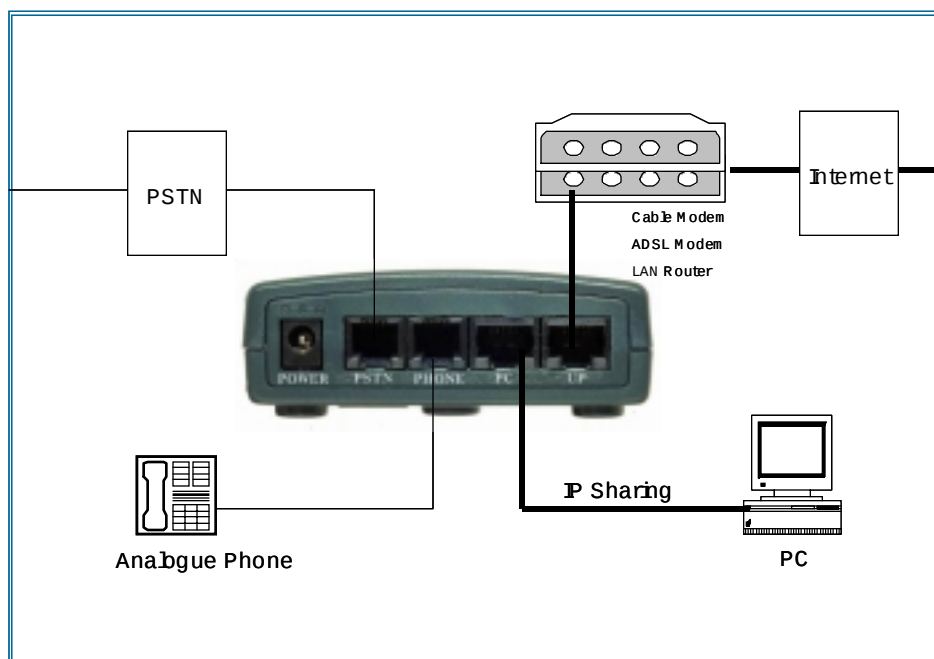


ELESIGN

- ✓ 1 ESC1700 manual
- ✓ 1 Adaptor

Procedure:

**Installation of ESC1700 → PC Set up → Network Set up →
H.323 Set up**

1. Installation of ESC1700

- Remove the phone line, which is connected from the wall jack to your existing analogue phone, and connect it to 'PSTN' port.
- Find a phone line in the box and connect between 'PHONE' port and your existing analogue phone.
- Remove from your PC the LAN cable for Internet connection and connect it to 'UP' port.
- Find a LAN cable in the box and connect between 'PC' port and your PC.
- Connect an adapter in the box to 'POWER'.

; How το χηεχκ της ινσταλλατιον βψ της χολορ οφ ΛΕΔ.



- Ωηεν αδαπτερ ις χοννεχτεδ το ΕΣΧ1700, ινιτιαλ ΛΕΔ χολορ οφ 'Πηονε' ις ορανγε ανδ τυρνς το γρεεν ωιτη 'χλιχκ' σουνδ.
[Πλεασε μακε συρε ψου ηεαρ της 'χλιχκ' σουνδ βεφορε γοιγγ το νεξτ στεπ.]
- Ωηεν Ιντερνετ λινε (ΛΑΝ χαβλε) ις χοννεχτεδ το ΕΣΧ1700, της χολορ οφ 'Λινκ' ις 'Γρεεν'. Ανδ ωηεν Χομπυτερ ις χοννεχτεδ ανδ ποωερ οφ ΠΧ ις τυρνεδ ον, της χολορ χηανγεδ το 'Ορανγε'. Ιφ ονλψ ΠΧ ις χοννεχτεδ, χολορ οφ 'Λινκ' ις 'ΡΕΔ'.
- Ωηεν ψου πιχκ υπ της ηανδσσετ οφ της τελεπηονε, της χολορ οφ 'Hook' ις 'Ρεδ'.

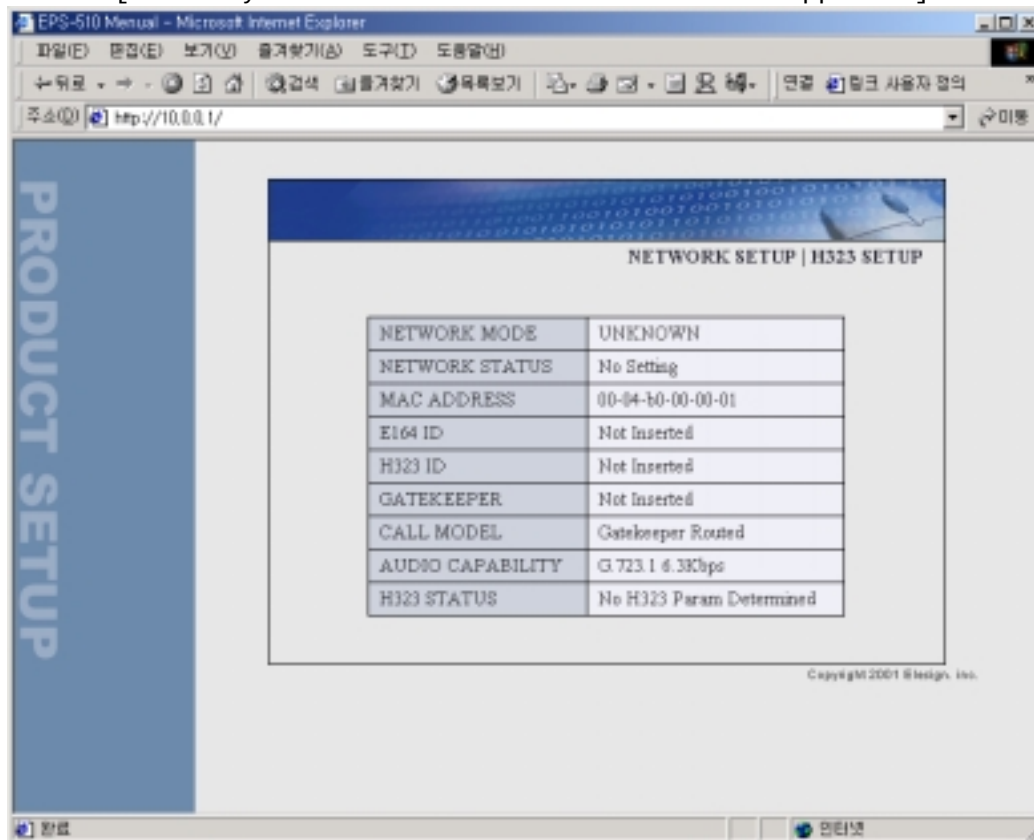
2. PC Setup

- For Leased-Dynamic IP, Cable Modem, and ADSL modem Users
After the installation, please restart the computer.
If computer is turned off, simply turn on the computer after the installation.
- For Leased-Static IP Users
 - 1 For WIN98/ Window Me users
 - Select 'Control Panel' from 'setting' of start menu
 - Select 'Network'
 - Select TCP/IP and click on 'Property' button
 - Select 'Obtain an IP address automatically' and click on 'OK' button
 - Popup window will appear to restart the computer, then restart the computer right away by clicking on 'OK' button
 - 2 For Win2000 users
 - Select 'Control Panel' from 'Setting' of start menu
 - Select 'Network'
 - Select 'Local Connection'
 - Click on 'Properties' button
 - Select 'TCP/IP' and click on 'Property' button
 - Select 'Obtain an IP address automatically' and click on 'OK' button

3. Network Setup

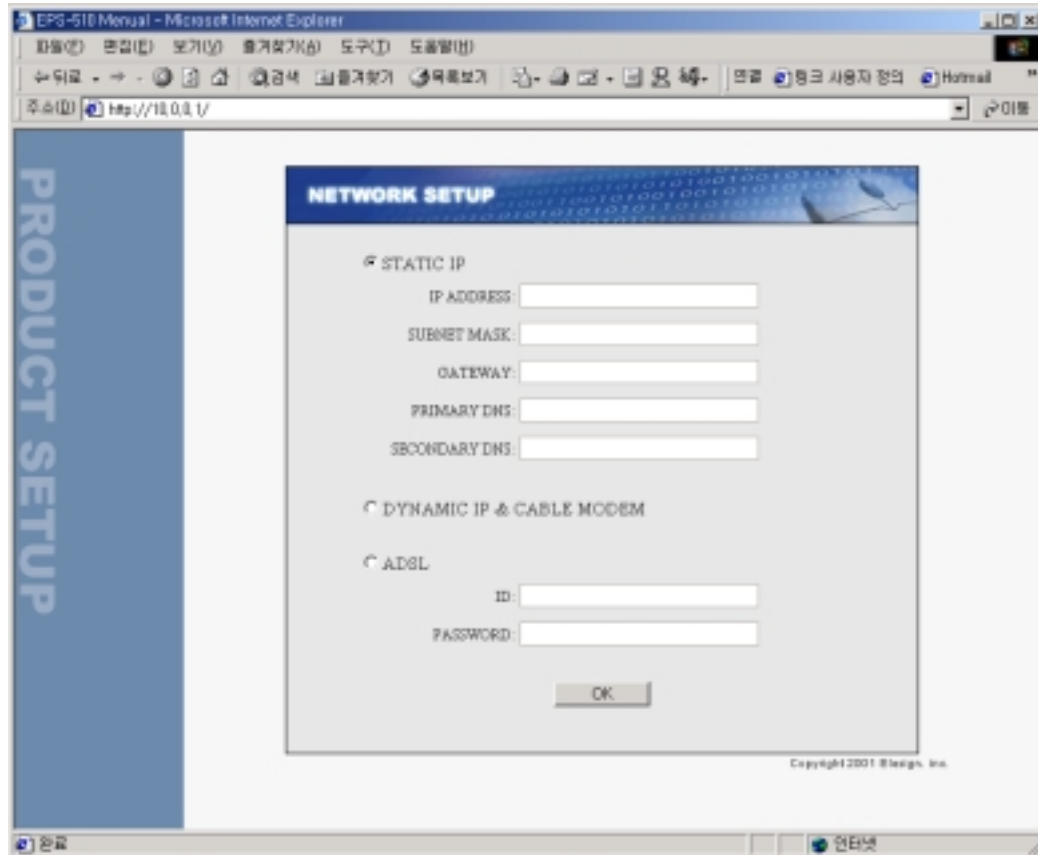


- 1 Run Internet Browser (i.e. Explorer)
- 2 Input 'http://10.0.0.1' in the address box and hit enter.
[This may take a moment until main screen appears.]



- 3 Select 'Network Setup'

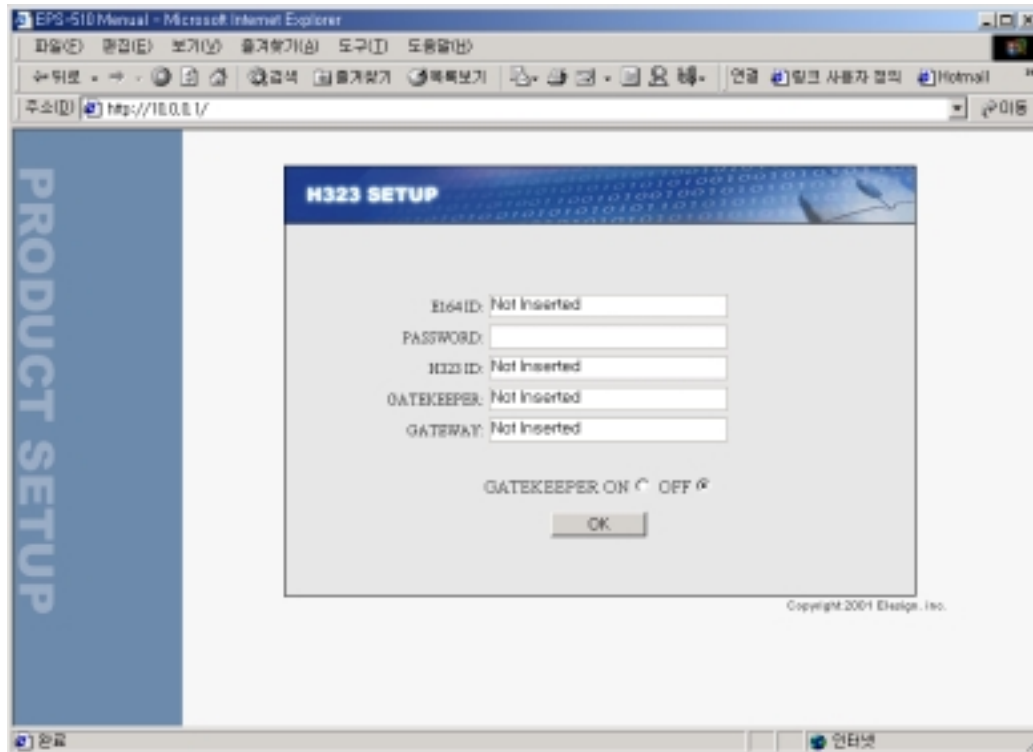




- 4 Select an environment that is appropriate to your Internet connection
- 5 Input necessary information if needed, and click on 'OK' button
- 6 Please confirm the information appears, and hit 'F5' key.
- 7 Until you see a message 'Setup complete' for 'Network Status', hit 'F5' key
- 8 When you see a message 'Setup complete', then network setup is successfully done.

4. H.323 Setup

- Set Up for call using IP address (No need to register a gatekeeper)
 - 1 Select 'H.323 Setup' from the main screen
 - 2 Make sure Gatekeeper is checked for 'OFF'
 - 3 Make sure not to input Gateway address



4 Click on 'OK' button

5 When 'H323 Setting Result' screen appears, hit 'F5' key

6 To make a call with IP address:

Pick up a handset of the phone and dial as following:

If IP address is 123.123.123.123

→ Press '123', '#', '123', '#', '123', '#', '123', '*' in

order

• '#' for '.' (Period), '*' as 'Send'

□ Set Up for call thru Gatekeeper

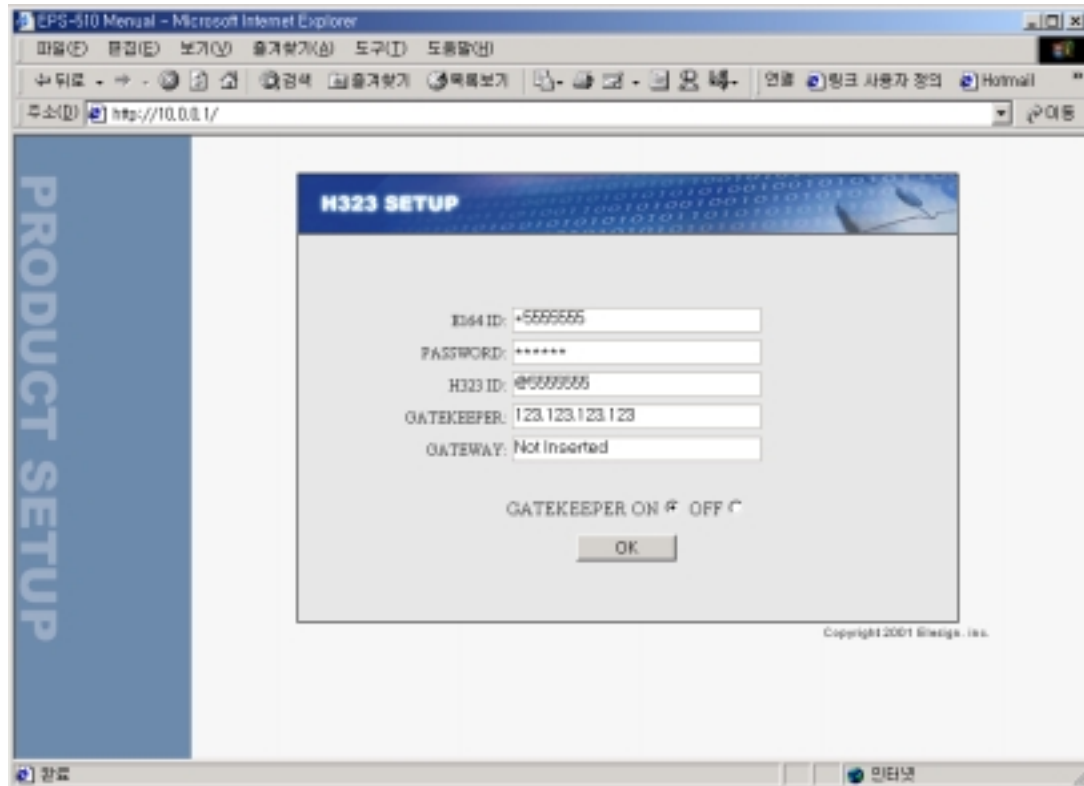
1 Select 'H.323 Setup' from the main screen.

2 Input necessary information to register

• Be sure to fill in every box, except gateway address, with some number.

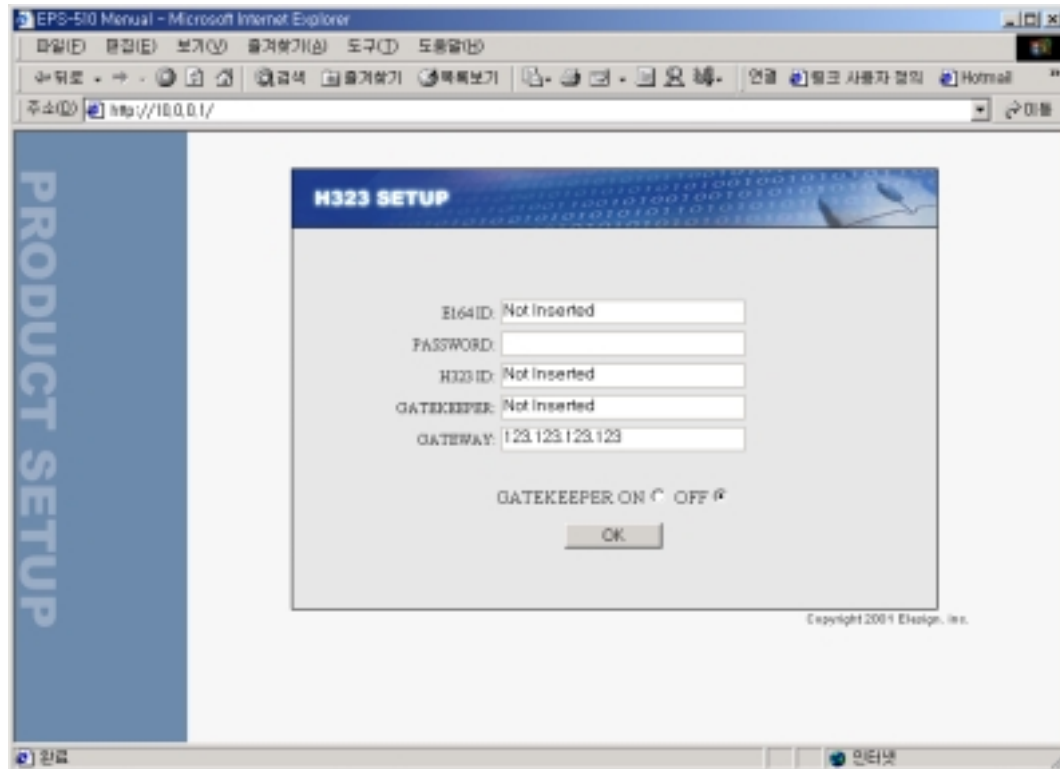
Even though some of the information is not necessary for authentication, fill in with some arbitrary number.

3 Check for the Gatekeeper usage



- 4 Click on 'OK' button
- 5 When you see a message 'Now Registering' for 'H323 Setting Result', hit 'F5' key
[Registering may take a moment.]
- 6 When you see a message 'Successfully Registered' for 'H.323 Status', then H.323 set up is successfully done

- Set Up for call thru Gateway
 - 1 Select 'H.323 Setup' from main screen
 - 2 Input Gateway address
 - 3 Make sure Gatekeeper is checked for 'OFF'



- 4 Click on 'OK' button
- 5 When you see a message 'Now Registering' for 'H323 Setting Result', hit 'F5' key
[Registering may take a moment.]

5. Make a call

- VoIP Call (Default)
 - Dial number → press '*'('send' function) button at the end
- PSTN call
 - Use 'Flash' button to switch to PSTN line
 - No 'Flash' button, then click on hook for a second.
 - When power is out, it automatically switches to PSTN line.
 - When UP link is removed from the UP port of ESC1700, it automatically switches to PSTN line.

Appendix: Features

Features listed below for management and users are optional. The features can be selected as customer's preference.

For management:

1. Capability of switching to preferred Codec
ESC1700 supports various codec such as G.711, G.723.1, and G.729. The codec can be switched to meet customer's demand.
2. Remote Update
It supports TFTP for quick and easy upgrade.
3. Remote Management
It supports SNMP for easy management of ESC1700 from the central system.

For Users:

1. Call Logs (10 incoming/ 10 Outgoing)
Call logs can be check on built-in web server.
2. Dialing IP address
Call to web phone (soft-phone) is possible by dialing IP address of destination.
(ex: Dialing 211.211.211.233
 '*' → '211' → '#' → '211' → '#' → '211' → '#' → 233
 → '*')
 ✓ First '*' is to distinguish IP address from the regular phone number.
 ✓ '#' is for the '.' (Period)
 ✓ Second '*' is used as 'Send' functioned key.
3. PSTN back up call
When the electricity goes out, it automatically switches to PSTN.
4. IP sharing
It's dual MAC system for NAT function. Use ESC1700 & PC (Internet) at the same time.
5. Call waiting
When you are on the VoIP call, and there is a phone call thru PSTN, there would a short beep to let you know.
(When you hear a beep, press 'flash' button or the hook for

a second to answer.)

