

Vpot-30 iPBX System

System Manual

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CONNECTION ELECTRONICS LTD.

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1. HARDWARE OVERVIEW

1.1 X200E Enterprise iPBX Server

X200E Enterprise iPBX Server is the primary component of the IP telephony system. It connects the Internet and register to Internet Telephone Service Provider (ITSP) to join the PSTN. The server also connects the user IP phones and performs call switching / processing between PSTN.



Figure 1: X200E Enterprise iPBX Server

1.2 E800H RFID IP Phone

E800H RFID IP PHONE is the dedicated IP phone for the X200E Enterprise iPBX Server. It has a RFID feature which greatly enhance it's function with ease of operation. It also has a 2.5mm headset jack to connect Nokia compatible headsets or other headsets with cable adapter.



Figure 2: E800H IP Phone

1.3 GXW-4108 FXO Gateway

The GXW-4108 is a 8 ports FXO gateway. It provides an alternate way for X200E Enterprise iPBX Server connects to the PSTN. Which enable up to 8 traditional analog telephone lines connect to the X200E server, so IP phones of X200E server can join the PSTN via the analog telephone lines.



Figure 3: GXW-4108 FXO Gateway

2. HARDWARE INSTALLATION

Connect the X200E Enterprise iPBX Server, E800H RFID IP PHONE to system LAN. If GXW-4108 FXO gateway is used, connect it's WAN port to system LAN with the same subnet of the server.

X200E server and GXW-4108 FXO gateway require static IP address while E800H phone accepts both static or dynamic IP address. Please refer to E800 User Manual and GXW-4108 User Manual for their IP address assignments.

2.1 Network Configuration Example

Example of connecting X200E server and E800H in a network. X200 server connects to ITSP (HKBN) via internet.

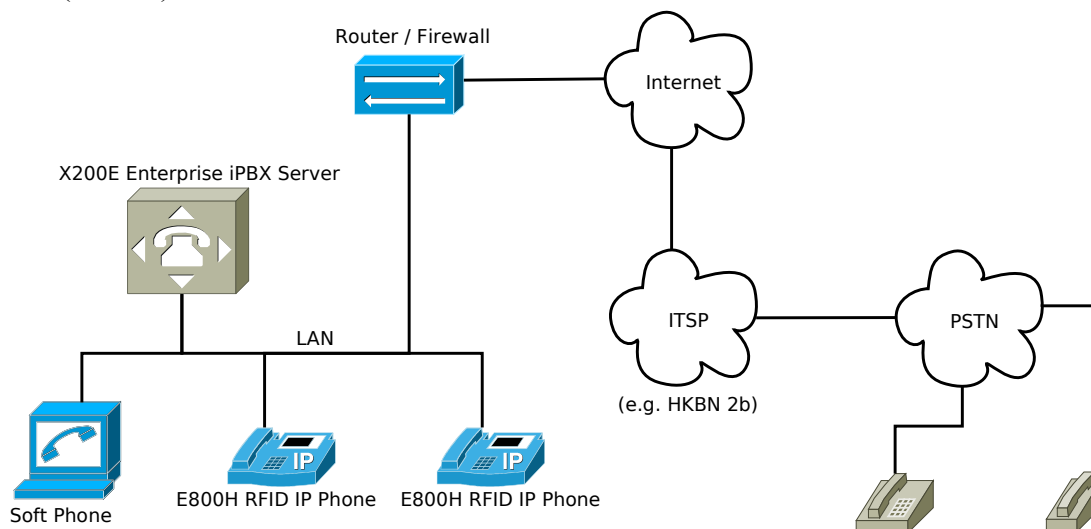


Figure 4: X200E Server and E800H General Installation Diagram

Example of connecting X200E server, E800H and GXW-4108 FXO gateway in a network. X200 server connect to PSTN using GXW-4108 FXO gateway's analog trunk lines.

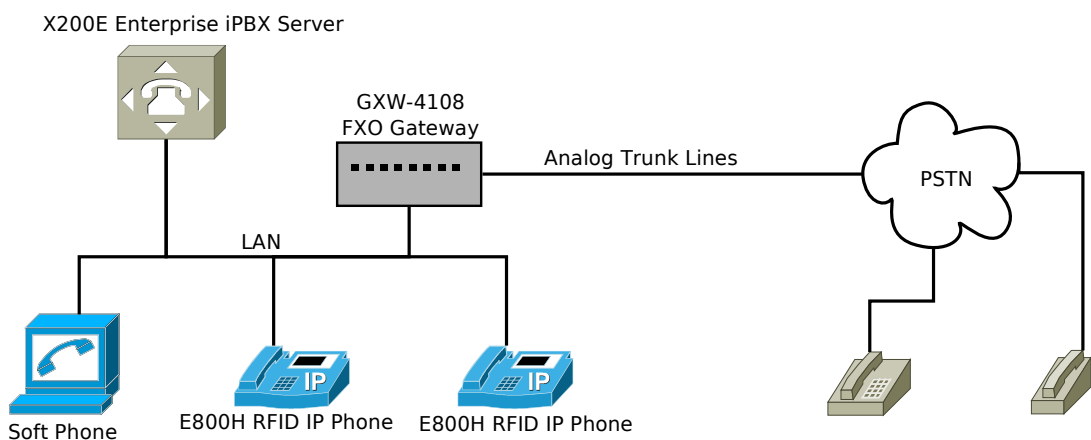


Figure 5: X200E Server, E800H and GXW-4108 General Installation Diagram

2.2 Turn X200E Server On / Off

2.2.1 Turn on X200E Server

The X200E server can be turned on by pressing the power button once. After the power indicator, blue colour LED lite, the system will be ready about 1 minutes later.

2.2.2 Turn off X200E Server

The X200E server can be turned off by pressing the power button once. After pressing the power button, the system will start to shut down and will turn off about 1 minutes later. The power indicator, blue colour LED turns off indicates the X200E server is actually turn off.

WARNING: Don't remove power while the server is operating. It requires proper shut down by press the power button once as stated above.

2.2.3 Restart X200E Server

In order to restart X200E server, following the above procedure to turn off it, wait for 10 seconds and then turn on it again.

2.3 Firewall Setting

Since most of the network has a firewall between internet and system LAN. As in the above network configuration examples, X200E server are accessing the internet behind a firewall. In order to make X200E server successfully communicates with other parties in the internet, the firewall should be configured to pass specific information to X200E server. The followings are X200E server required port forwarding setting for different services it provide.

Service	Protocol	Port Forwarding to X200E Server
ITSP (HKBN 2b) Signaling	UDP	5060
ITSP (HKBN 2b) Voice	UDP	10000 ~ 20000
Remote E800H IP Phone	UDP	4569
Remote administration	TCP	20022
Remote system phonebook	TCP	443

Table 1: Firewall Port Forwarding for X200 Server

3. SYSTEM ADMINISTRATION USING PUTTY

PuTTY is a free implementation of Telnet and SSH for Windows and Unix platforms. We use PuTTY in Windows PC as a SSH client to do the system administration of X200E server. Using PuTTY can perform system administration within system LAN or remote administration via Internet.

3.1 Install PUTTY

PuTTY is just one "exe", no install, no extra dlls are required. You can download it and execute the downloaded putty.exe directly. The download link is "<http://the.earth.li/~sgtatham/putty/latest/x86/putty.exe>".

For better file organization, it is recommended to store the putty.exe in "c:\Program Files\PuTTY" directory and create a shortcut at Start Menu as shown in following steps.

1. Use Windows Explorer to locate "c:\Program Files" and create new directory "PuTTY"
2. Move the downloaded putty.exe into the newly created "c:\Program Files\PuTTY" directory.
3. Locate the file "c:\Program Files\PuTTY\putty.exe" and drag it to "Start" button then drop it.
4. A shortcut to putty.exe will be created in the start menu.

3.2 Setup putty for X200E Server

Executing PuTTY will show the configuration windows as shown below.

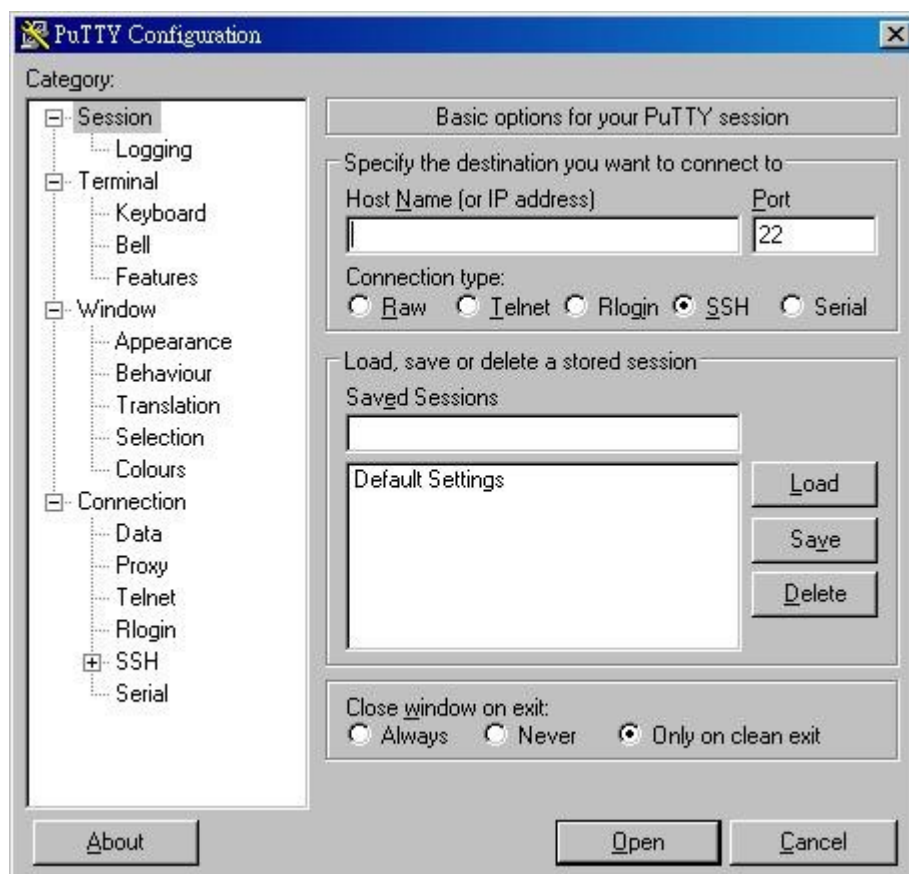


Figure 6: PuTTY Configuration Window

The following steps entering the session information for X200E server:

1. Enter the X200E Server IP address, e.g. “192.168.0.55” in the “Host Name (or IP address)” box.
For remote administration, enter the WAN IP address from ISP as Host Name.
Also, the firewall should also configure to forward port 20022 to X200 server..
2. Enter “20022” in the “Port” box.
3. Enter a name for this session, e.g. “X200 Server” in the “Saved Sessions” box.

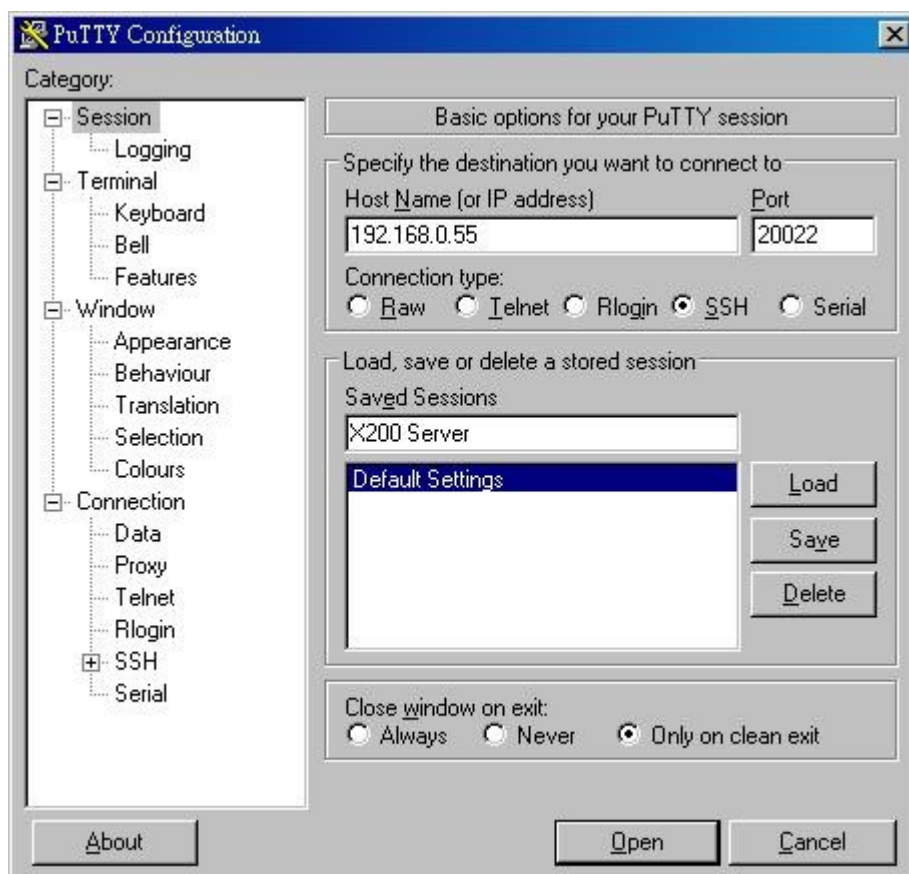


Figure 7: PuTTY Configuration - Session Information

Two options require for X200E server:

1. In the left column, select “Terminal” → “Feature” and then check the “Disable application keypad mode”

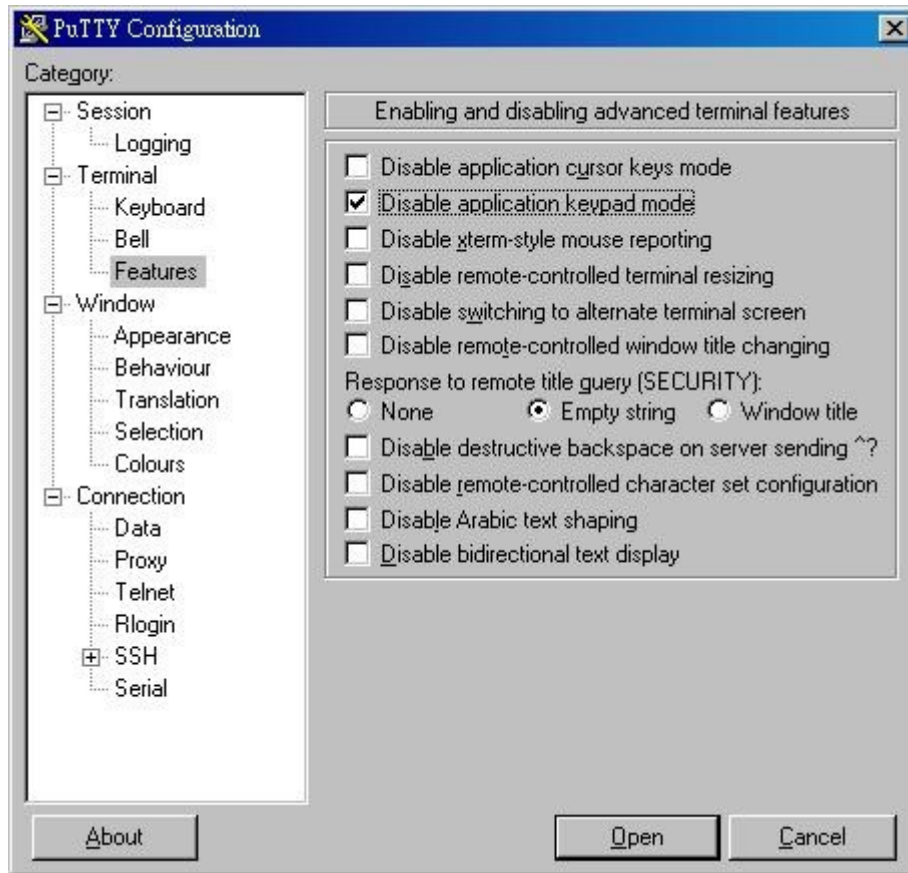


Figure 8: PuTTY - Terminal Features

- In the left column, select “Window” → “Translation” and then select “ISO-8859-1:1998 (Latin-1, West Europe)” in the “Received data assumed to be in which character set:” box:

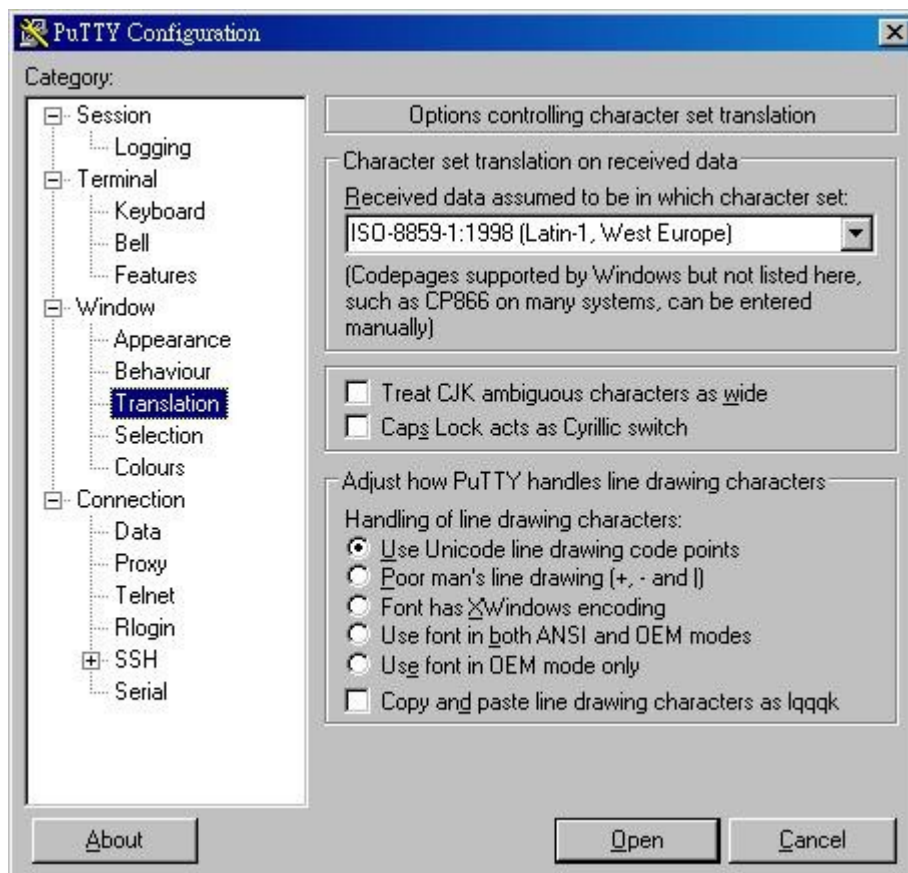


Figure 9: PuTTY - Window Translation

After all the above change, select “Session” at the left column and click the “Save” button to save the setting.

The PuTTY “X200 Server” session is ready to connect to X200E server. Double click the “X200 Server” in the “Saved Sessions” or load the session and then click the “Open” button to connect X200E server.

After connected to X200E server, the terminal screen will show and prompt for login username and then password.



Figure 10: PuTTY - Login

Enter “admin” and corresponding password for System Administration. Enter “user” and corresponding password for User Management.

3.3 General Operation of Menu User Interface

The following figure show the System Administration Menu. The System Administration and User Management having the same user interface.

In the middle of menu are items for selection and the bottom of menu have the action buttons. Use <Up> and <Down> arrow key to select items and use <Left> and <Right> arrow key to change the active action button. Press <Enter> will execute the action of highlighted action button. Beside using the arrow and <Enter> keys, using mouse to click on the menu item will select it and click on the action button will execute it.

In sub-menu for changing configuration, there has <Save> action button. After changing the system configuration, execute the <Save> is required. Otherwise, changes under that sub-menu will be lost.

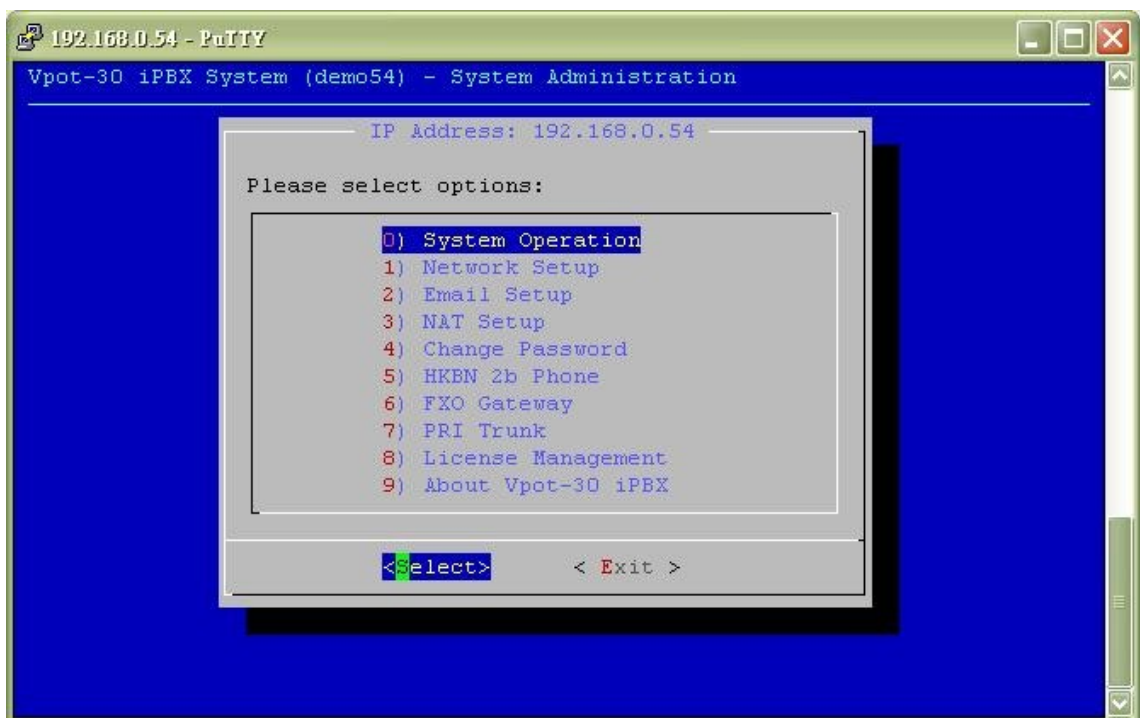


Figure 11: Menu User Interface

4. SYSTEM ADMINISTRATION

System Administration is for setting up X200E server in system network, VoIP account to ITSP, license management, X200E server maintenance, etc..

Use PuTTY to connect X200E server. Login with “admin” and corresponding password will bring the system administration menu.

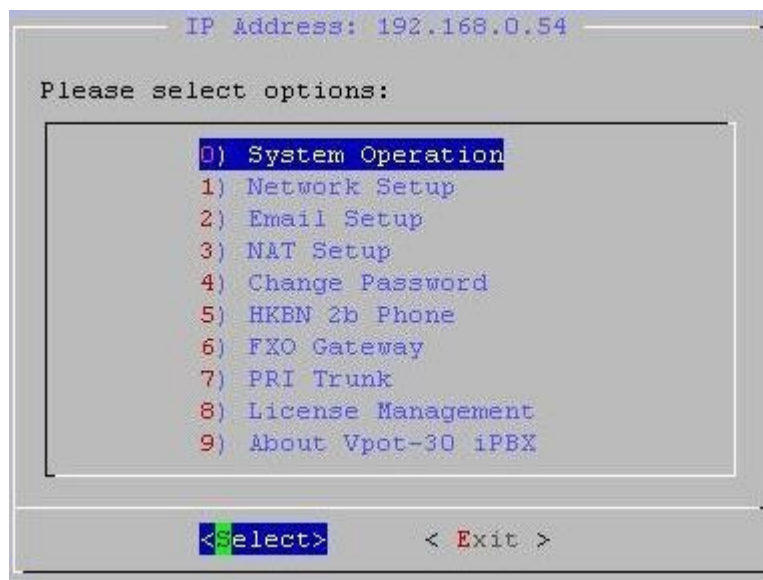


Figure 12: System Administration

4.1 System Operation

System operation contain the maintenance operations – System Backup, System Update, System Restart, RAID Management and System Monitor.

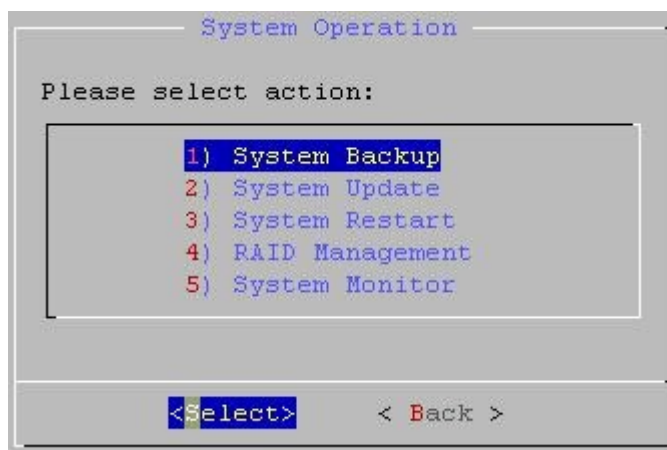


Figure 13: System Operation Menu

4.1.1 System Backup

In System Backup menu, it has System Backup, View Backup and System Restore options.

System Backup - Backup the X200E server configurations to a file. It is recommended to perform system backup after the configuration has changed.

View Backup – Display the backup files in system in chronological order. Each backup has assigned a number. The number is used to perform System Restore.

System Restore – Restore the X200E server configuration from a backup file.

4.1.2 System Update

In System Update menu, it has View Update, System Update and Linux Update options.

View Update – Display any X200E server system update file.

System Update – Update the X200E server from the system update file.

Linux Update – Update the Linux components from internet.

WARNING: Performing Linux Update may cause unpredictable result. It should be performed when directed to do so.

4.1.3 System Restart

In System Restart menu, it has System Restart, System Reboot and Power Off options.

System Restart – Restart X200E server VoIP processing service.

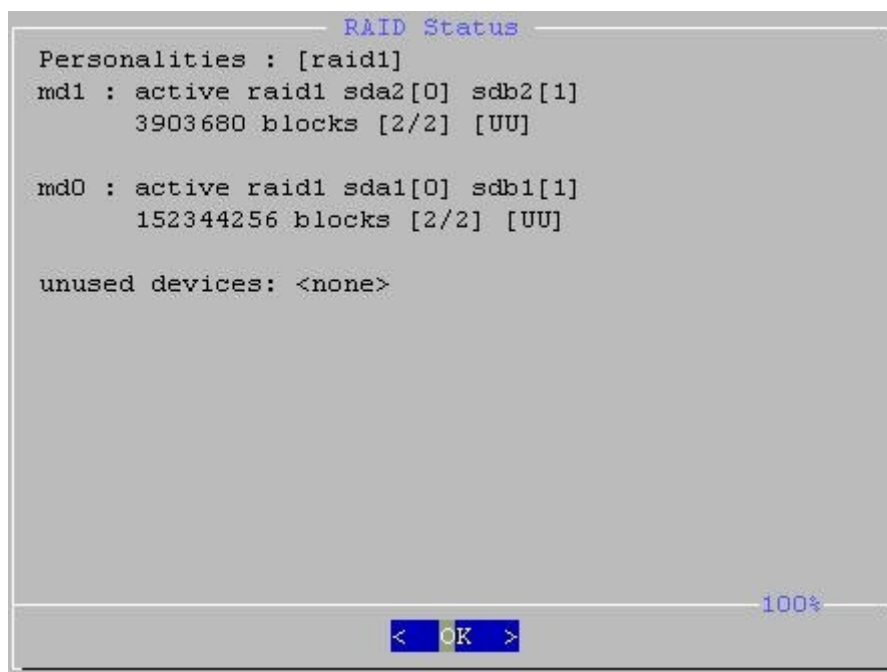
System Reboot – Reboot the whole X200E server.

Power Off – Turn off X200E server.

4.1.4 RAID Management

In RAID Management menu, it has View RAID Status and Add Hard Disk options.

View RAID Status – View the hard disk in RAID, their current status and also the RAID recovery progress if any.



```
RAID Status
Personalities : [raid1]
md1 : active raid1 sda2[0] sdb2[1]
      3903680 blocks [2/2] [UU]

md0 : active raid1 sda1[0] sdb1[1]
      152344256 blocks [2/2] [UU]

unused devices: <none>
```

100%

< OK >

Figure 14: RAID Status

For the md1 line, active means 'started'. It is a raid1 array and the component devices are: sda2[0] and sdb2[1].

The final 2 entries on this line [2/2] [UU]. [n/m] means that ideally the array would have m devices however, currently, n devices are in use. [2/2] means it is in good condition.

The “UU” at last of line means two hard disks are in normal status, while “_” instead of “U” means the hard disk is failure.

Add Hard Disk – Add available hard disk to RAID.

4.1.5 System Monitor

In System Monitor menu, it currently has only 1 option, Temperature.

Temperature – Show the system temperature and CPU temperature.

4.2 Network Setup

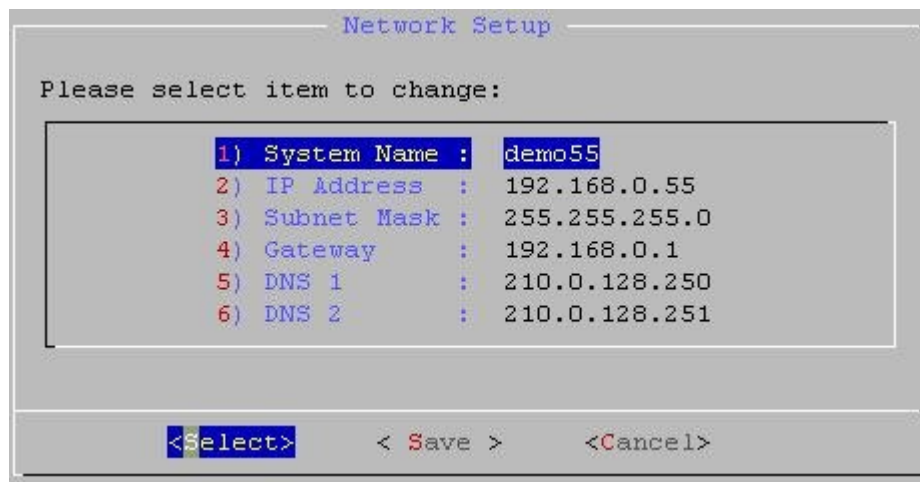


Figure 15: Network Setup

Network Setup is for setting the X200E server's name and it's Ethernet interface parameters.

System Name – Let you assign a name to X200E server.

IP Address – A static IP address in system LAN.

Subnet Mask – System LAN subnet mask. e.g. 255.255.255.0.

Gateway – IP address of gateway in system LAN. e.g. router in system LAN.

DNS 1 - IP address of first DNS server. (Refer to ISP information)

DNS 2 - IP address of second DNS server. (Refer to ISP information)

4.3 Email Setup

Email Setup is for setting the X200E server's email sending account and corresponding recipient for system alert. System alert including daily system log, hard disk failure, etc..

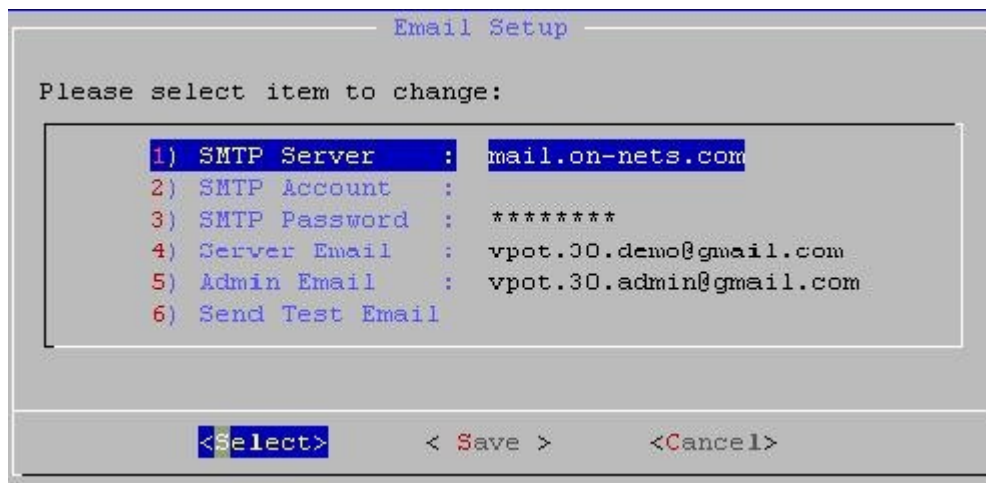


Figure 16: Email Setup

SMTP Server – Address of SMTP server used by X200E server to send email.

SMTP Account – Account name for SMTP server if applicable.

SMTP Password – Account password for SMTP server if applicable.

Server Email – X200E server's own email address, sender address.

Admin Email – Destination email address for system alert.

Send Test Email – Send a test email to Admin Email to test the above setup is valid.

4.4 NAT Setup

NAT Setup is for setting the X200E server's VoIP service to pass through the NAT function.

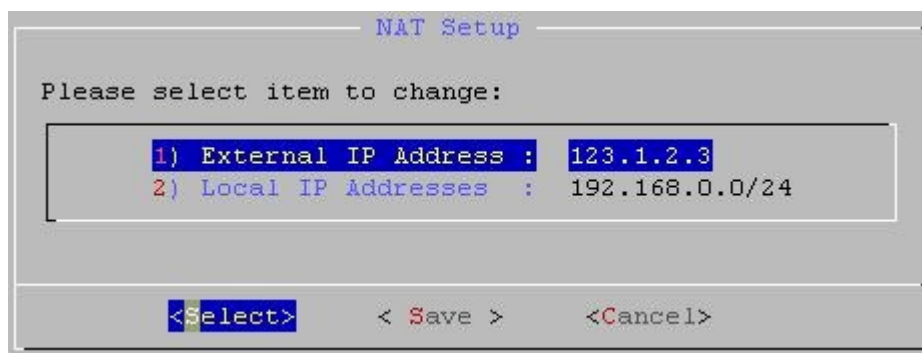


Figure 17: NAT Setup

External IP Address – The WAN IP address of system LAN. That is the IP address obtained from ISP.

Local IP Addresses – The system LAN IP address range. It should be entered in the ip_address/mask syntax. e.g. 192.168.0.0/24

4.5 Change Password

Change Password is for changing system-wide passwords.



Figure 18: Change Password

System Administration Password – The password for “admin” login.

User Management Password – The password for “user” login.

Card Administration Password – The password for RFID card administration. The password should be numeric only.

Upgrade Firmware Password – The password for E800H IP phone firmware upgrade. The password should be numeric only.

Greeting Recording Password – The password for recording system (auto attendant) voice greeting messages. The password should be numeric only.

4.6 HKBN 2b Phone

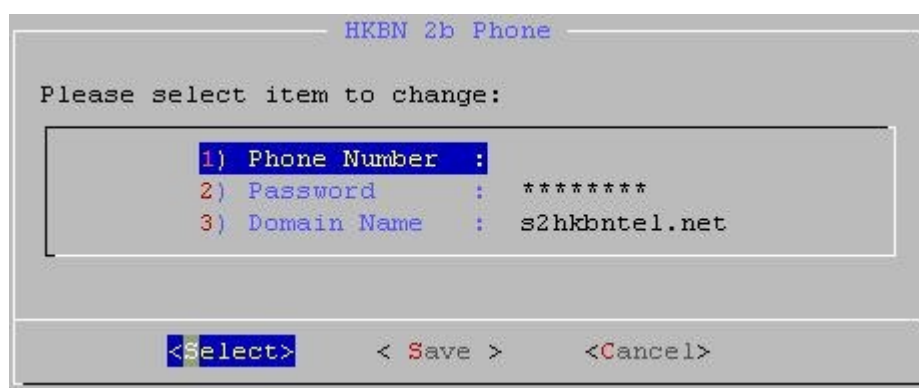


Figure 19: HKBN 2b Phone

HKBN 2b Phone is for entering the HKBN 2b phone account information.

Phone Number – The phone number of HKBN 2b account.

Password – The password of HKBN 2b account.

Domain Name – The domain name of HKBN 2b account.

4.7 FXO Gateway

FXO Gateway is for entering the IP address of connected GXW-4108 FXO gateway.

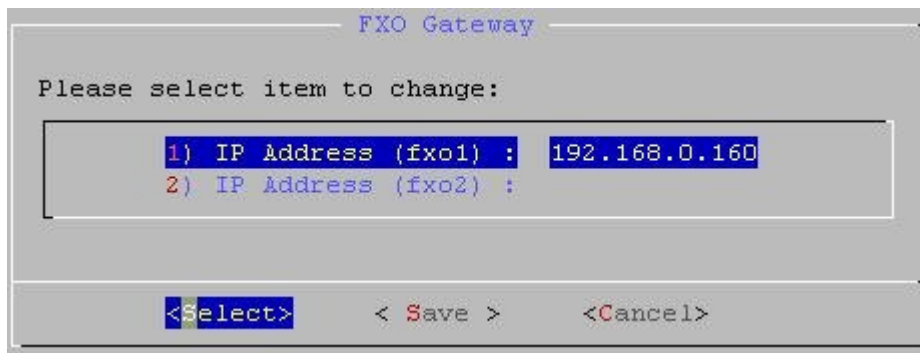


Figure 20: FXO Gateway

IP Address (fxo1) – The IP address of first connected GXW-4108 FXO gateway.

IP Address (fxo2) – The IP address of second connected GXW-4108 FXO gateway.

4.8 PRI Trunk

PRI Trunk is for setting up PRI trunk card in X200E server. If PRI trunk card has installed in X200E server, the PRI trunk type E1 / T1 hardware setting will be detected and displayed automatically.

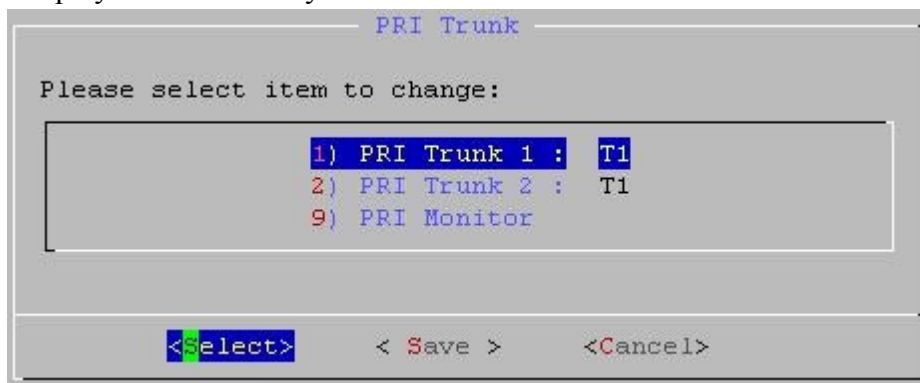


Figure 21: PRI Trunk

4.8.1 PRI Trunk 1

Setting for PRI Trunk 1.

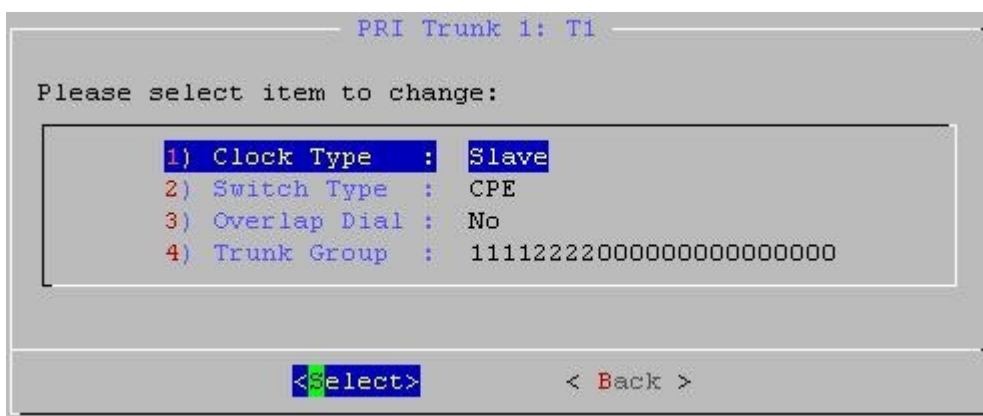


Figure 22: PRI Trunk Setting

Clock Type – Set the PCM clock synchronization mode. Slave = PRI trunk synchronizes the clock from other end. Master = Other end synchronizes the clock from PRI trunk card.

Switch Type – Set the PRI trunk NET / CPE mode.

Overlap Dial – PRI trunk employ overlap dialing.

Trunk Group - Set each channel's group. E.g 11112222000000000000000000000000 means channels 1~4 belong to group 1 and 5~8 belong to group 2.

4.8.2 PRI Trunk 2

Setting for PRI Trunk 2. It has the same setting as the trunk 1.

4.8.3 PRI Monitor

Display the PRI status. e.g. PRI alarm status, In use status (up/down), etc..

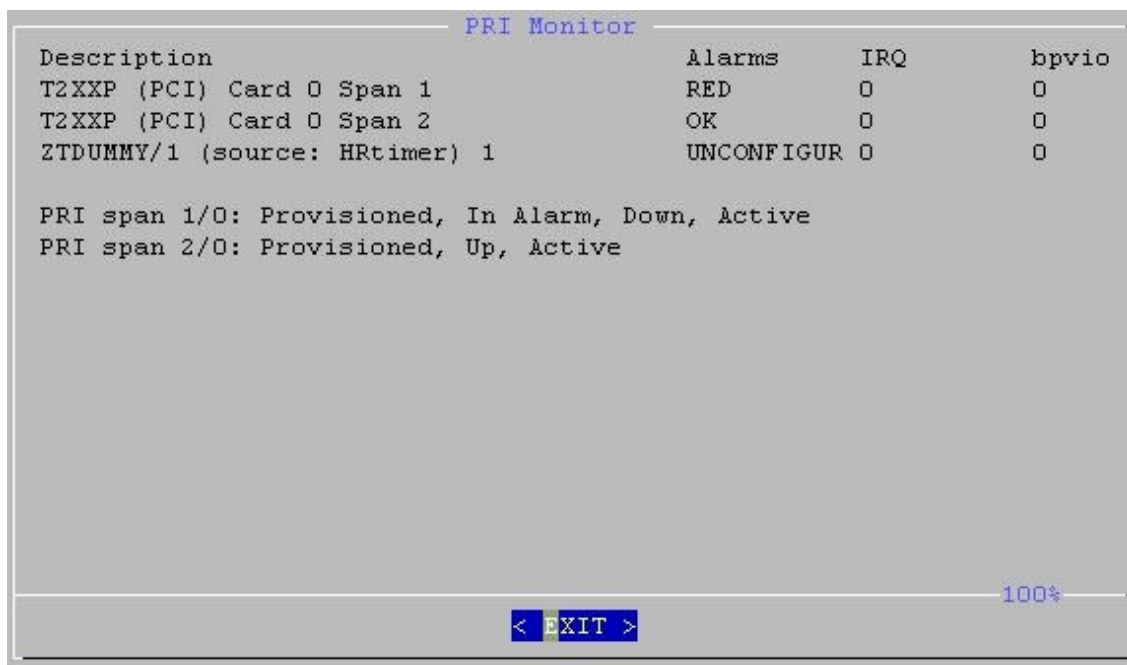


Figure 23: PRI Monitor

4.9 License Management

License Management is for requesting system feature license and apply the requested license.

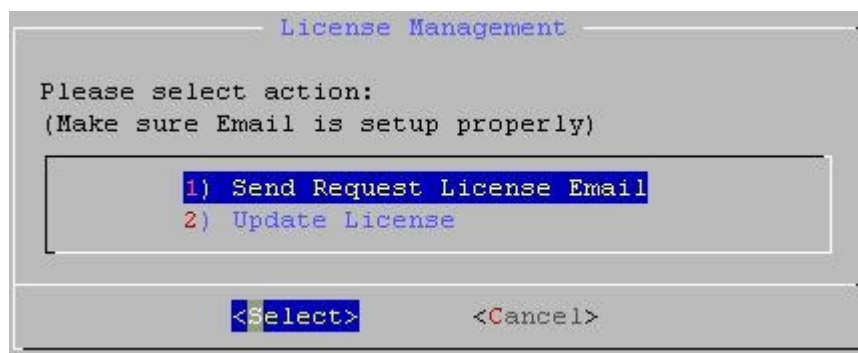


Figure 24: License Management

Send Request License Email – Send a request license email with specific system information.

Update License – Update license with requested license file.

4.10 About Vpot-30 iPBX"

About Vpot-30 iPBX show the information about the system. e.g. X200E server software version number.

5. USER MANAGEMENT

User Management is for setting up X200E server's Extension (IP phones), Access code, Incoming call answering, RFID card, etc..

Using PuTTY connect to X200E server. Login with “user” and corresponding password will bring the system User Management menu.

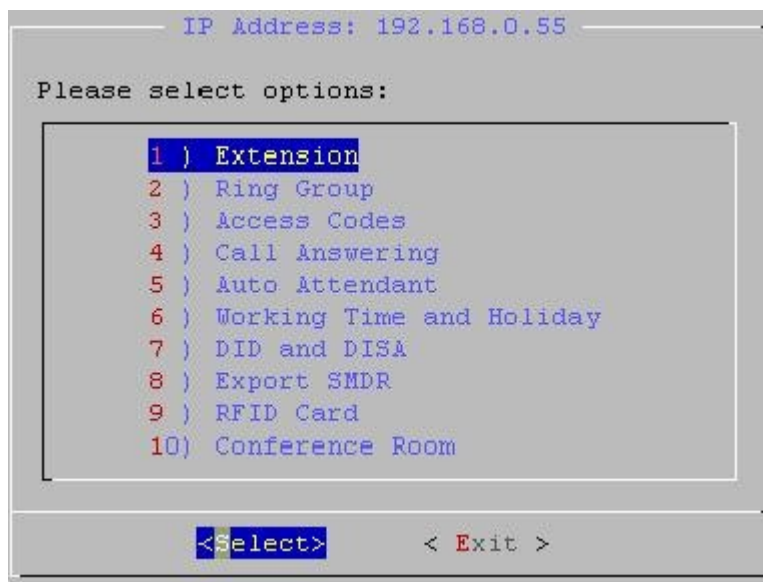


Figure 25: User Management

5.1 Extension

Extension menu is for managing the extensions (IP phones) connected to X200E server.

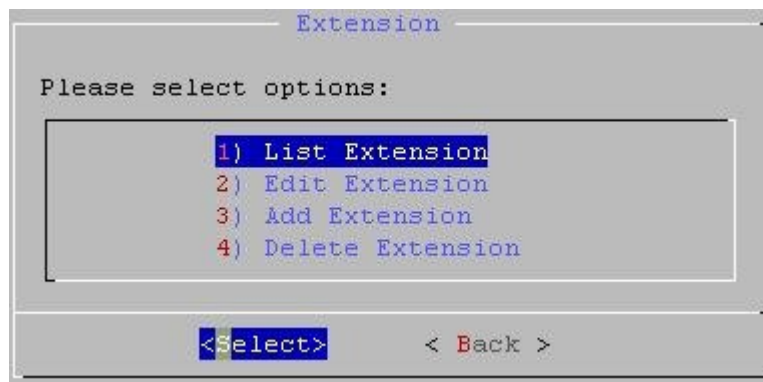


Figure 26: Extension

5.1.1 List Extension

List the existing extensions in sorted order.

5.1.2 Edit Extension

Setting extension's behavior.

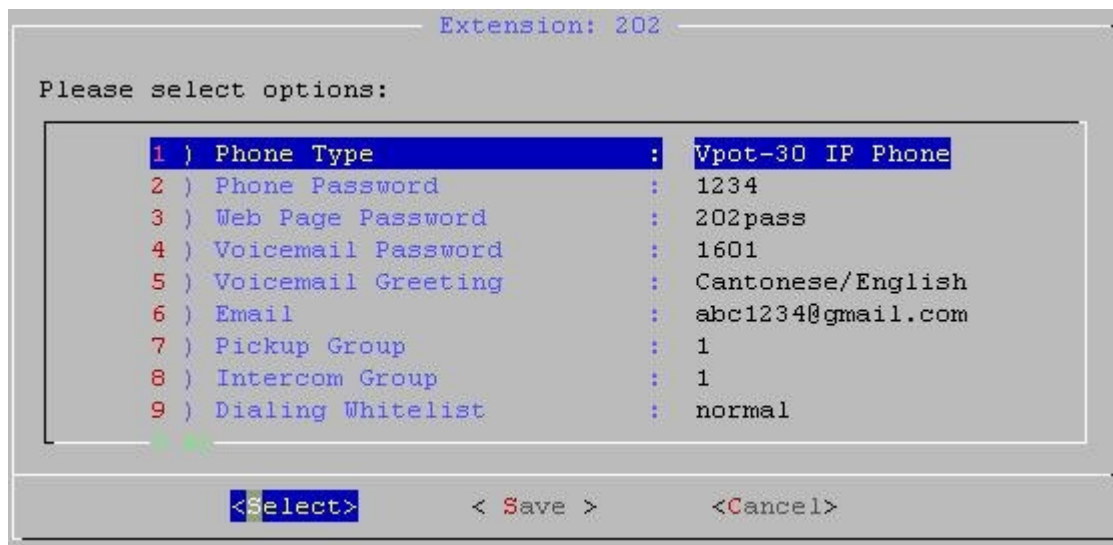


Figure 27: Edit Extension

5.1.2.1 Phone Type

Select among Vpot-30 IP Phone (E800H), IAX Soft Phone and SIP Soft Phone.

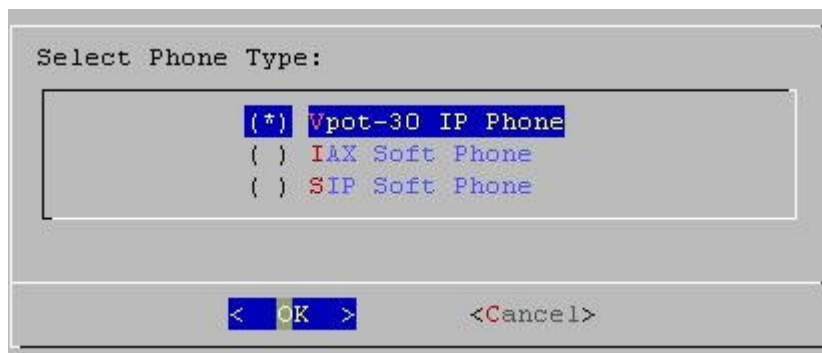


Figure 28: Extension - Phone Type

5.1.2.2 Phone Password

Set the Password of IP Phone to register X200E server.

5.1.2.3 Web Page Password

Password to enter phonebook web page.

5.1.2.4 Voicemail Password

Password to retrieve voicemail.

5.1.2.5 Voicemail Greeting

Select the greeting language of voicemail prompt. Voicemail greeting will play in the order of Language 1, then Language 2 and then Language 3.

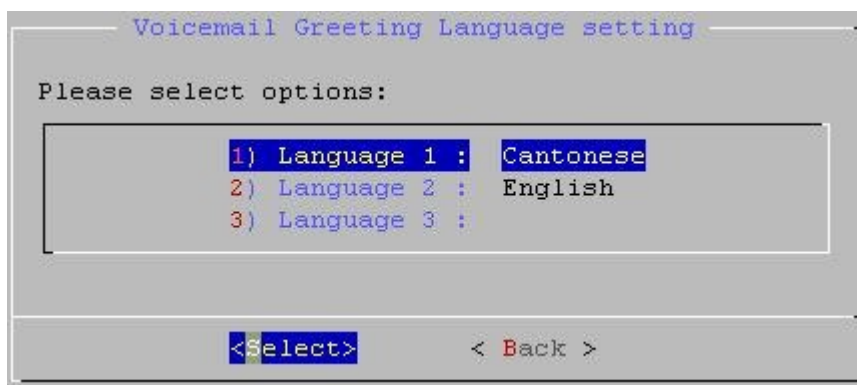


Figure 29: Extension - Voicemail Greeting Language

5.1.2.6 Email

The email address to send the recorded voicemail.

5.1.2.7 Pickup Group

Set the pickup group of current extension.

Phone can pickup other ringing phone with the same Pickup Group.

5.1.2.8 Intercom Group

Set the intercom group of current extension.

Extension can only dial to other extension within the same intercom group and extension of intercom group 1. Intercom group 1 is a special group which can dial to any other groups and other groups can also dial to it.

5.1.2.9 Dialing Whitelist

Set the dialing whitelist of current extension. Dialing whitelist is list of prefix that allow extension to dial. There have 4 predefined dialing lists in system. They are executive, normal, internal and intercom.

List Name	Description
executive	Allow all
normal	Allow all except IDD
internal	Allow intercom and feature start with '*'
intercom	Only allow intercom call

Table 2: System Predefined Dialing Lists

Beside the 4 predefined dialing lists, user can create other list to suit their need.

5.1.2.10 Dialing Blacklist

Set the dialing blacklist of current extension. Dialing blacklist is list of prefix that do not allow to dial. User can create list to suit their need.

5.1.2.11 Call Waiting

Select “Yes” to enable the call waiting feature.

5.1.2.12 Outgoing Insertion

Outgoing Insertion is the digit(s) to be inserted in outgoing call. e.g. X200E server is connected to another PBX for outgoing, and that PBX requires dial “9” for outgoing call. The Outgoing Insertion here should set to “9”.

5.1.2.13 Phonebook 1/2/3

The X200E server has built in phonebook web page, <http://<X200E server IP>/phonebook/index.php>.



Figure 30: Phonebook Web Page Login

After login the phonebook with extension number and the corresponding Web Page Password, user can search for phonebook entry and click it for automatic dial with the extension.

Each extension can associate 3 phonebooks in the Phonebook Web Page, the Phonebook 1, Phonebook 2 and Phonebook 3. The content of Phonebook 1 to Phonebook 3 are defined in Extension setting Phonebook 1, Phonebook 2 and Phonebook3.

5.1.2.14 Phonebook 1/2/3 Edit

Select “Yes” will enable user to edit the Phonebook in Web Page.

5.1.2.15 Conference Recording

Select “Yes” will enable user to record the conversation in multi-parties conference.

5.1.2.16 Busy Forward

Set the number to forward when the extension is busy. e.g. “*00” will forward to voicemail.

5.1.2.17 No Answer Forward

Set the number to forward when the extension has not answered a call. e.g. “*00” will forward to voicemail.

5.1.2.18 No Answer Timeout

Set the number of seconds to wait for No Answer Forward.

5.1.2.19 Mobile Phone Number

Set the mobile phone number of the user of this extension.

5.1.2.20 Ring Mobile Simultaneously

Select “Yes” will also ring the mobile phone set in Mobile Phone Number when this extension has call.

5.1.2.21 Outgoing Route

Outgoing Route set the route to use for outgoing call. The system has following predefined route.

Route	Requirement	Description
hkbn	Connected to HKBN 2b service	Use HKBN 2b line for outgoing. (Default outgoing route).
fxo1	FXO gateway installed	Use first FXO gateway's all analog trunk lines for outgoing.
fxo1-1 to fxo1-8	FXO gateway installed	Specify one of the trunk in first FXO gateway by fxo1-1 to fxo1-8
fxo2	Two FXO gateways installed	Use second FXO gateway's all analog trunk lines for outgoing.
fxo2-1 to fxo2-8	FXO gateway installed	Specify one of the trunk in second FXO gateway by fxo2-1 to fxo2-8
pri-gn-xxx or pri-rn-xxx	PRI trunk card installed	PRI route should be defined as: pri-g1-12345678 - PRI trunk group 1, terminal hunting, outgoing id = 12345678 pri-r2-12345678 - PRI trunk group 2, circular hunting, outgoing id = 12345678

Table 3: X200E Server Predefined Routes

5.1.2.22 Secondary Route

Secondary Route is the alternate route when Outgoing Route is unavailable.

5.1.2.23 One Touch F1 / F2 / F3

Set the one touch dialing key F1 / F2 / F3 of E800H IP Phone.

5.1.2.24 Call Recording

Select “Yes” at Call Recording will record every call of this extension.

5.1.2.25 Turbo Dial

Set the number of Turbo Dial. Turbo Dial is press and hold the numeric keys of E800H IP Phone, then E800H will dial the programmed number.

5.1.2.26 Blind to Other Phone

The purpose of “Blind to Other Phone” is using a soft phone to dial for another IP Phone.

That is we can dial from the PC (soft phone) phonebook, then the system will make a call actually dial from the blinded phone. So we can enjoy the PC phonebook's easy operation and talk comfortably on an IP phone.

“Blind to Other Phone” setting allow a soft phone setup a list of IP phone may blind to.

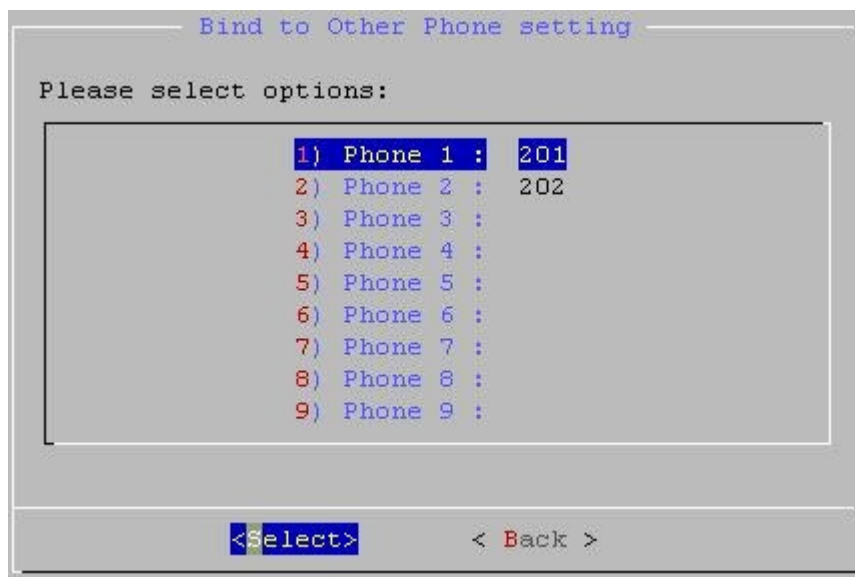


Figure 31: Blind to Other Phone

(In using this feature, soft phone dial “*81” to activate blinding to Phone 1, “*82” to activate blinding to Phone 2, etc.. Soft phone dial “*80” to deactivate the existing blinding).

5.1.3 Add Extension

Add a new extension.

5.1.4 Delete Extension

Delete an existing extension.

5.2 Ring Group

Ring Group is an logical extension number. When a call to the ring group, all the members of this group will ring altogether.



Figure 32: Ring Group

5.2.1 List Ring Group

List the existing Ring Group in sorted order.

5.2.2 Edit Ring Group

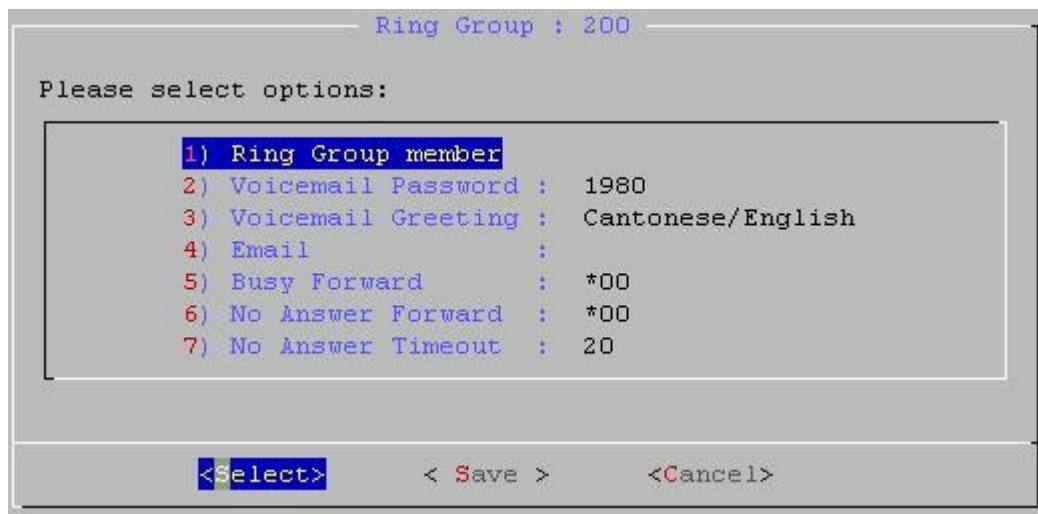


Figure 33: Ring Group Edit

After select Edit Ring Group, enter the Ring Group number and press <Enter> to edit.

Ring Group member – Display all the members in this Ring Group and also for editing the members.

Use arrow keys to move in the list. Select <OK> when finish.



Figure 34: Ring Group Member

Voicemail Password – Set the voicemail password of this Ring Group.

Voicemail Greeting – Set the voicemail greeting language of this Ring Group.

Email – Set the email address of this Ring Group. When there has voicemail, system will also send the email with recorded voicemail.

Busy Forward – Set the phone number to call when all the members of this Ring Group are busy.

No Answer Forward – Set the phone number to call when all the members of this Ring Group have not answered a call.

No Answer Timeout – Set the number of seconds to wait for No Answer Forward.

5.2.3 Add Ring Group

Add a new Ring Group.

5.2.4 Delete Ring Group

Delete an existing Ring Group.

5.3 Access Codes

Access Codes menu is for setting the system dial plan.

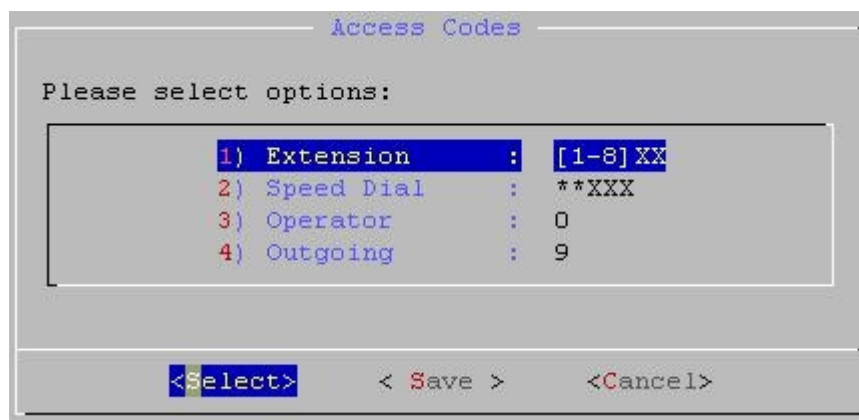


Figure 35: Access Codes

Extension – The number format for dialing to extension. e.g. “[1-8] XX” means extension numbers are 3 digit beginning with '1' -'8'.

Speed Dial – The number format for speed dial. e.g. “**XXX” means speed dial begin with “**” and follow by 3 other digits.

Operator – The number format for dialing to operator. e.g. '0' means dial '0' will call to operator.

Outgoing – The number format for outgoing call. e.g. '9' means dial '9' for outgoing call.

5.4 Call Answering

Call Answering set the operator and incoming call answering extension.

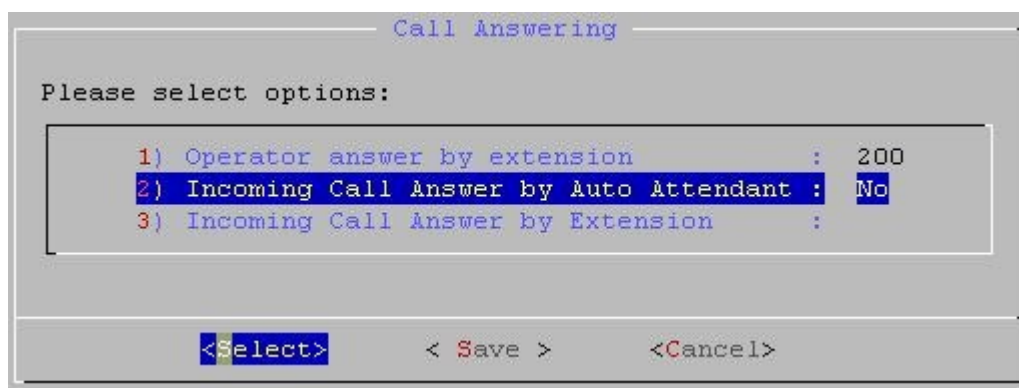


Figure 36: Call Answering

Operator answer by extension – The operator's extension number.

Incoming Call Answer by Auto Attendant – If “Yes” is selected, incoming call will be answered by auto attendant. If “No” is selected, the “Incoming Call Answer by Extension” entry will appear for entering answering extension number.

Incoming Call Answer by Extension – The extension number to answer incoming call.

5.5 Auto Attendant

Auto Attendant menu is for setting the behavior of auto attendant.

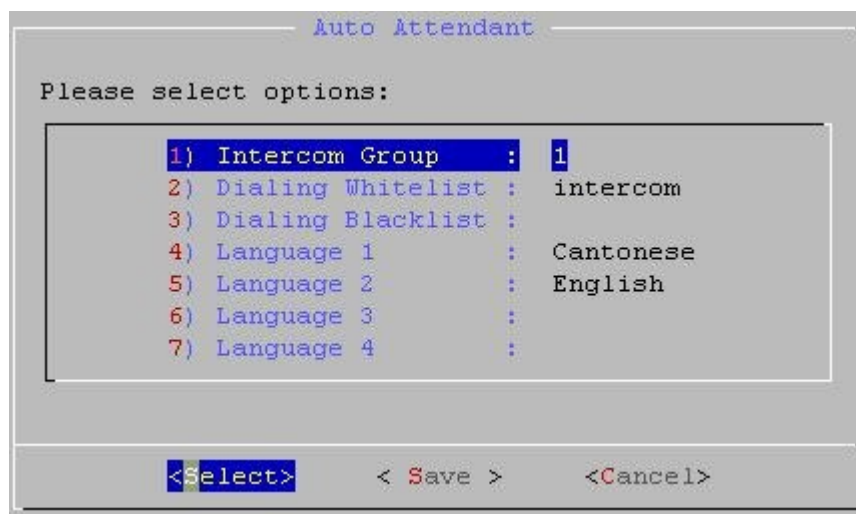


Figure 37: Auto Attendant

Intercom Group – The intercom group of Auto Attendant.

Dialing Whitelist – Set the dialing whitelist of Auto Attendant.

Dialing Blacklist – Set the dialing blacklist of Auto Attendant.

Language 1 ~ 4 – The Auto Attendant greeting message will play in the order of language 1 to language 4.

5.6 Working Time and Holiday

Working Time and Holiday define the office hour for the system auto attendant to play the greeting message accordingly.

In Working Time period, auto attendant will play the Day Greeting message.

In Holiday and time not in Working Time, auto attendant will play the Night Greeting message.

The Day / Night Greeting message can be recorded at E800H, selecting “Greeting” menu.

5.6.1 Working Time

Working Time defines the general office hour. There have 5 entries in Working Time Setting, Working Time 1 ~ Working Time 5. e.g. “09:00-13:00,mon-fri”

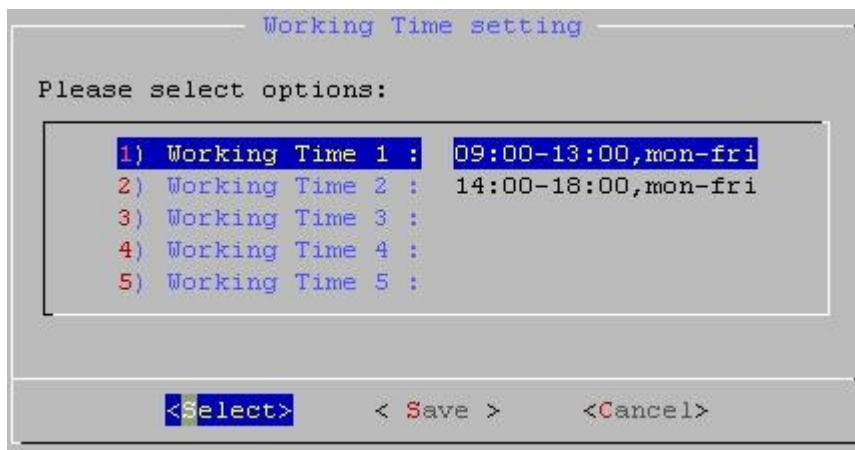


Figure 38: Working Time

5.6.2 Holiday

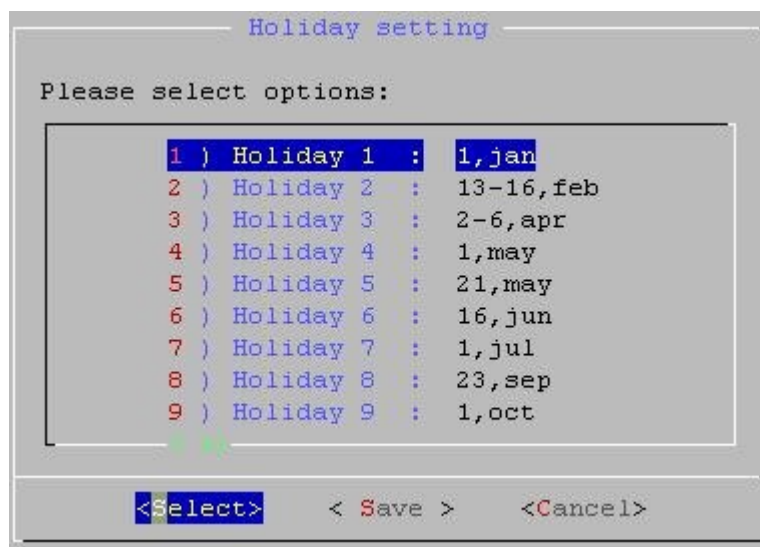


Figure 39: Holiday

Holiday defines the days exclude from the general office hour. There have 20 entries in the Holiday setting and each entry can enter a range of date. e.g. “13-16,feb”

5.7 DID and DISA

DID, Direct Inward Dialing is incoming call directly call to destination extension without the need for an operator or attendant. The X200E server provides 3 ways to establish the DID feature, DID by Caller ID, DID by Called Number and PRI trunk DID feature. DID by Caller ID and DID by Called Number require programming phone number (Caller ID / Called No.) for an extension.

DISA, Direct Inward Station Access is incoming call firstly answered by auto attendant, then auto attendant prompt for destination extension number. After caller enter the destination extension number, the call will direct to that extension.

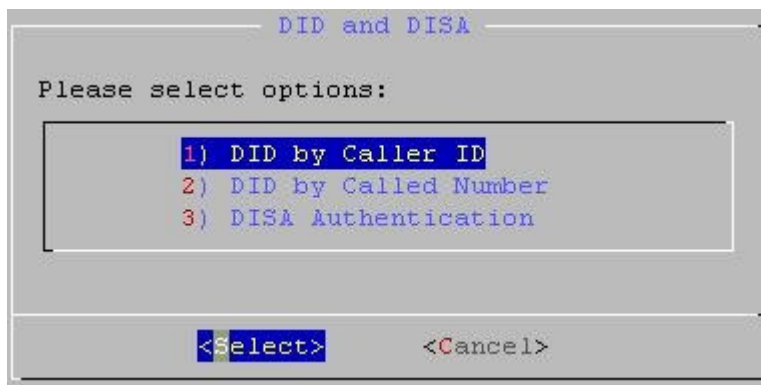


Figure 40: DID and DISA

DISA also provide another function – user authentication (DISA Authentication) by caller ID. After a user is identified, the user can perform more operations. e.g. Access voicemail, dial outgoing call (IDD), etc..

5.7.1 DID by Caller ID

Set a list of Caller ID associate with an extension or ring group. When an incoming call with Caller ID is in the list, the call will direct to that extension or ring group.

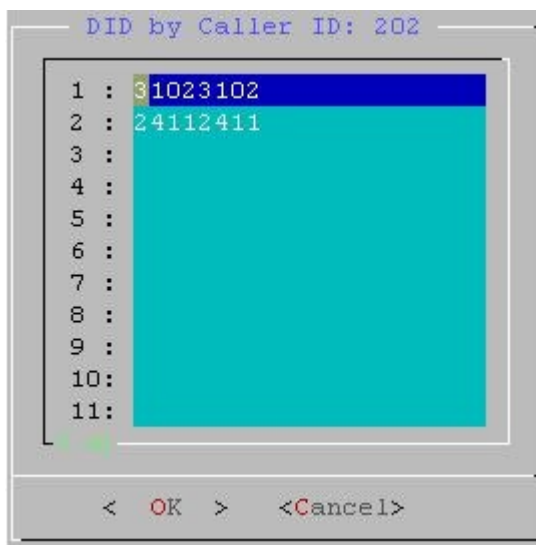


Figure 41: DID by Caller ID

5.7.2 DID by Called Number

Set a list of Called number associate with an extension or ring group. When an incoming with Called number is in the list, the call will direct to that extension or ring group. This feature only work for incoming call from HKBN (ITSP).

The Called number can refer to the original called number in a forwarded call. e.g. A call to mobile phone and the mobile phone has forwarded to X200E server, the called number here is the mobile phone number. If the mobile phone number is in the list, this call will direct to the associated extension or ring group.

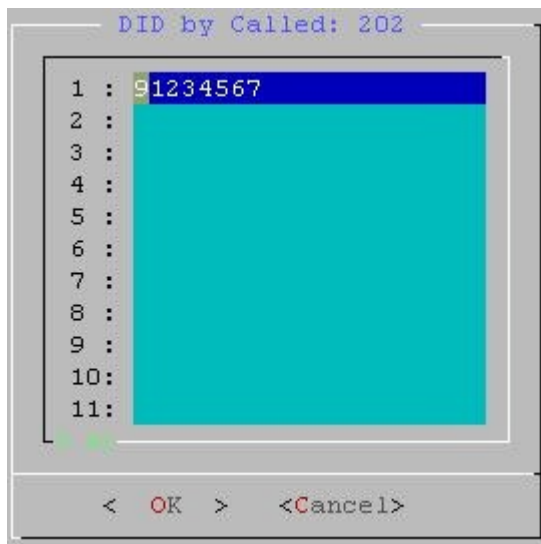


Figure 42: DID by Called Number

5.7.3 DISA Authentication

DISA Authentication uses incoming caller ID to identify the caller. Each extension can setup up to 20 caller ID.

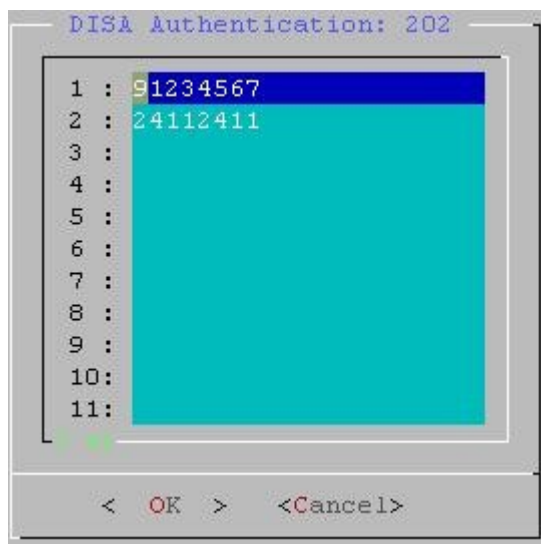


Figure 43: DISA Authentication

5.8 Export SMDR

Export SMDR will save the new SMDR to an archive file with filename as “smdr-yymmdd-hhmmss.tar.gz” prior to the last export. Where yymmdd-hhmmss is the current date and time.

5.9 RFID Card

RFID Card menu manage the RFID card with their associated E800H IP Phone.

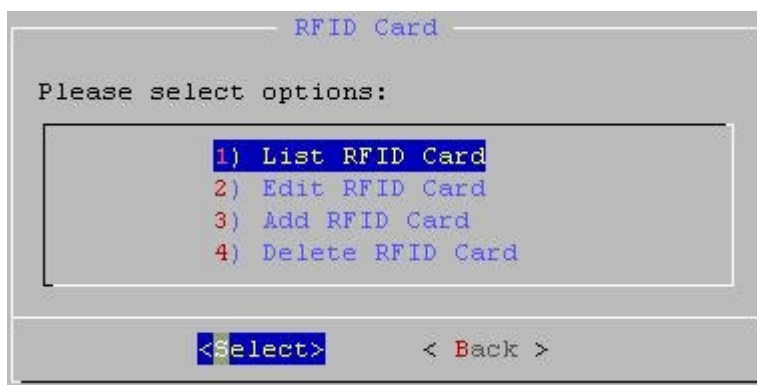


Figure 44: RFID Card

5.9.1 List RFID Card

List the registered RFID cards in system. Each card has assigned an item number for editing and deleting.

5.9.2 Edit RFID Card

Edit RFID Card menu is for editing RFID card properties. Enter the RFID card item number to edit the card.

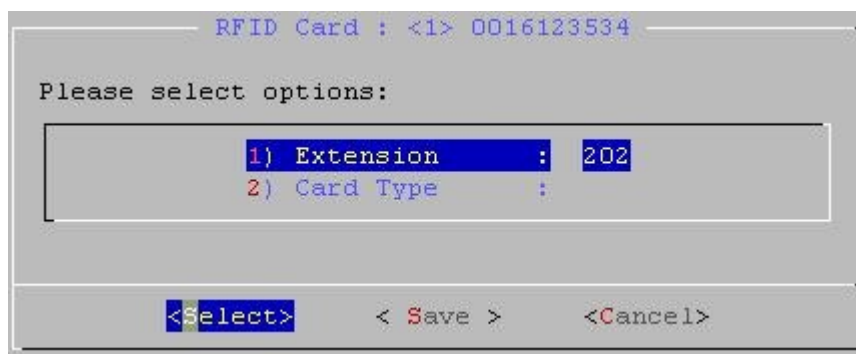


Figure 45: Edit RFID Card

Extension – The extension number of E800H IP phone associate to this RFID card.

Card Type - The card type of this RFID card. Left it empty for unspecific type.

5.9.3 Add RFID Card

Add RFID Card menu is for registering RFID card to the system. Enter the RFID card number to register the card. (You can check the card number by placing an non-register card on top of E800H IP phone, then the card number will show on the LCD display).

5.9.4 Delete RFID Card

Delete RFID Card menu is for unregistering RFID card from system. Enter the RFID card item number to delete the card.

5.10 Conference Room

Conference Room menu manage the logical conference room created in the system. Each Conference Room is represented by a Conference Room Number.

Extension can dial the conference room number to enter the conference room. Extension can also transfer a call to the conference room, so that the other party in call will enter the conference room.

Remark: The Conference Room feature require a license to activate it, otherwise it will not appear in the User Management menu.



Figure 46: Conference Room

5.10.1 List Conference Room

List the existing Conference Room Number.

5.10.2 Edit Conference Room

Edit Conference Room menu is for viewing and changing the conference room password. If the password is not empty, each time entering the conference room will prompt for entering password.

5.10.3 Add Conference Room

Create a new Conference Room with the given Conference Room Number. In creating the new Conference Room, a random password will also assigned to it.

5.10.4 Delete Conference Room

Delete a Conference Room.