

ePBX-100

User's Manual

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1. Overview

The Welltech ePBX-100 is the next generation all-in-one IP PBX system for small to medium enterprise. It is also designed to operate on a variety of VoIP applications, such as auto-attendant, voice conference, call transfer, call pick up and IP-based communications. With the tiny box, small to medium enterprise or homes can use it to access the Internet and to make VoIP phone calls.

Customers can select different suite and optional products to meet their request. To Integrate with WellGate 3804A can provide PSTN access function, LAN Phone 388 and WellGate 3504A can provide extensions. With flexible and full functionality, Welltech ePBX-100 can give a complete transition from traditional PABX to the new generation IP-PBX.

1.1 Specifications

- **Protocol**
 - SIP (Session Initiation Protocol)
- **Call Features**
 - Authentication
 - Automated Attendant
 - Call Transfer
 - Blind Transfer
 - Call Forward on Busy
 - Call Forward on No Answer
 - Call Forward Unconditional
 - Call Hold/Retrieval
 - Call Routing (DID)
 - Call Waiting
 - Caller ID
 - Do Not Disturb
 - Flexible Extension Logic
 - Music On Hold
 - Music On Transfer
 - Call Pickup
 - Three-way Conference
 - Time and Date
 - Trunking (3804A)
 - VoIP Gateways (3804A)
 - Voice Mail to e-mail
 - Call Detail Records

- Call Monitoring

➤ **Codecs**

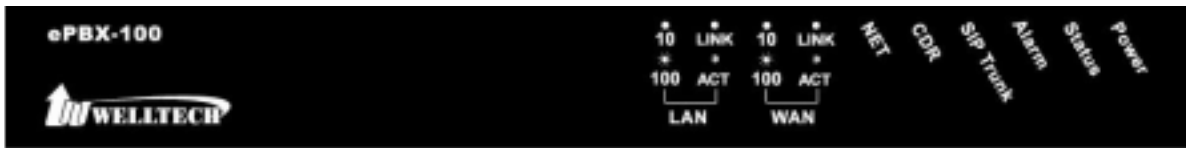
- G.711 (A-Law & μ -Law)
- G.729

➤ **Technical Features**

- Subscriber NAT transversal
- Phone set record Greeting
- Management: Web Browser Management
- HTTP upgrade firmware and ring back tone file
- Export/Import configuration
- Network Interface: 1WAN 1LAN
- DTMF: in-band, RFC2833, SIP-Info
- Network: Support Fixed IP and DHCP mode

1.2 Hardware Overview

1.2.1 Front Panel and LED Indication

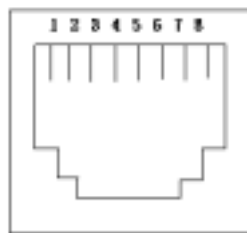


- **Power:** Light on when ePBX-100 is powered on.
- **Status:** Light on when system is ready.
- **Alarm:** Light on when system has problems.
- **SIP Trunk:** Light on when ePBX-100 successfully registered to enabled SIP Trunk; Light off when ePBX-100 failed to register to enabled SIP Trunk or no SIP Trunk has enabled.
- **CDR:** ePBX-100 can output Call Detail Records to external computer. User has to execute CDR program on computer, when ePBX-100 is ready to connect with CDR server and output data, this indication will light on.
- **NET:** Display Network status. If WAN port of ePBX-100 is under Fixed IP mode, LCD will light on. If WAN port is under DHCP mode, and ePBX-100 succeeds in getting IP, LED will be flashing. If WAN port is under DHCP mode, and ePBX-100 fails to get IP, LED will light off.
- **WAN**
 - **LINK/ACT:** Light on when WAN port is connected to network. Flash when data is transmitting or receiving.
 - **10/100:** Light on when network rate is 10 Mb/s, and light off when network rate is 100 Mb/s.
- **LAN**
 - **LINK/ACT:** Light on when LAN port is connected to network. Flash when data is transmitting or receiving.
 - **10/100:** Light on when network rate is 10 Mb/s, and light off when network rate is 100 Mb/s.

1.2.2 Back Panel



- **Reset:** Network and Login information will return to default values.
- **LAN/WAN:** RJ-45 socket, complied with ETHERNET 10/100base-T.
The pin-out is as following:



PIN 1, 2: Transmit
PIN 3, 6: Receive

- **12V DC:** Input AC 100V~240V;output DC12V

2. Start to Configure ePBX-100

2.1 Step 1

Connect **LAN** port of ePBX-100 with network.

2.2 Step 2

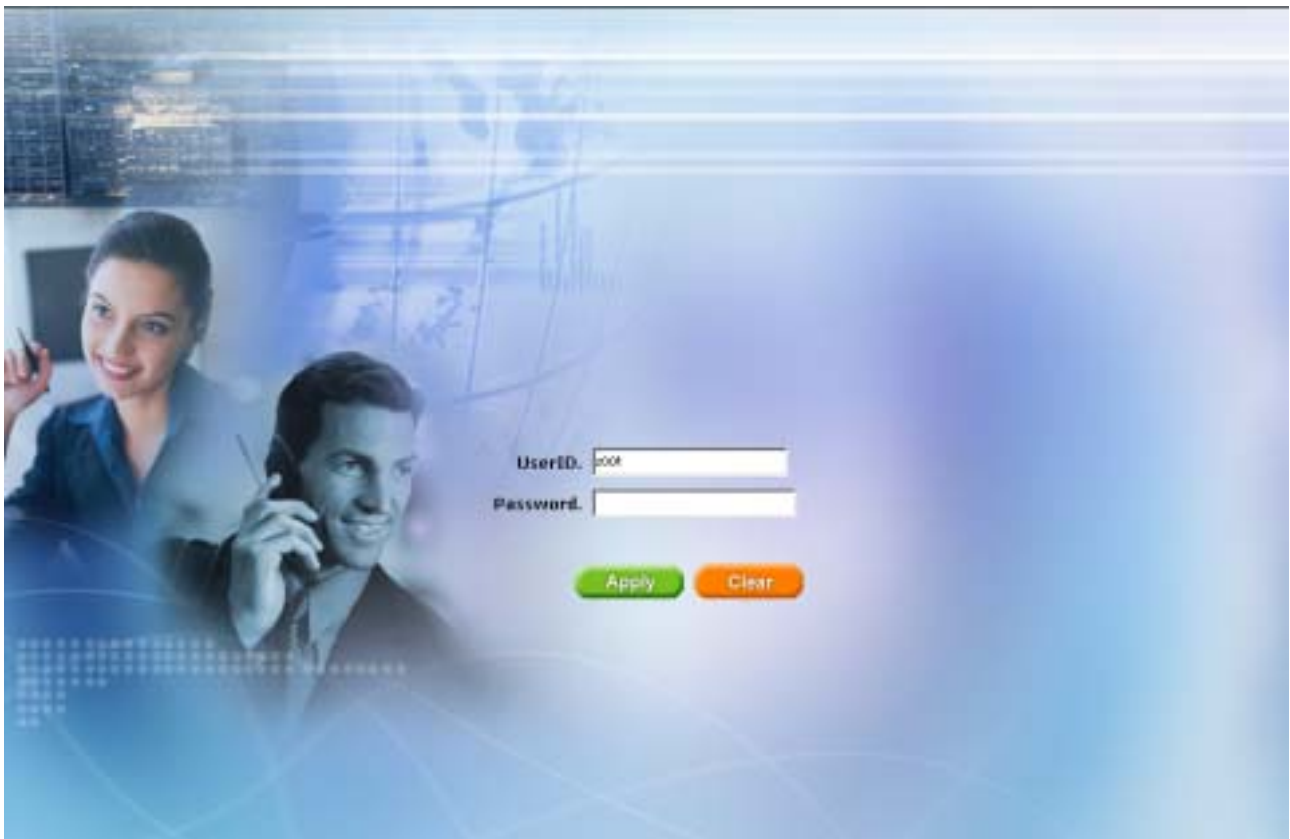
Prepare one computer, and change the IP address to be **192.168.123.12x**.

2.3 Step 3

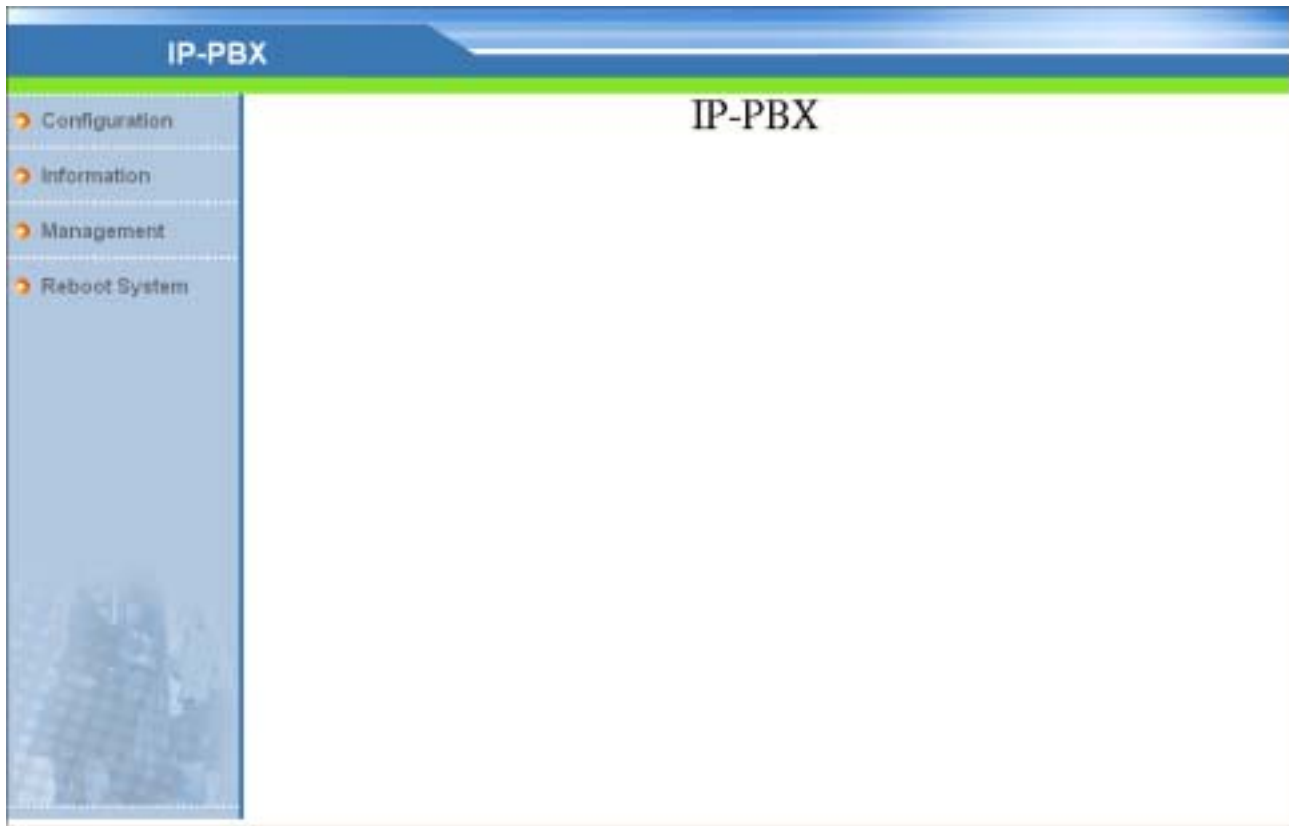
Open browser and link to default LAN IP address of ePBX-100 "**192.168.123.123**".

2.4 Step 4

Login ePBX-100 with default userID: "**root**", and no password. After login ePBX-100, user can start to configure basic and essential configurations.



After Login ePBX-100 will see screen as below, and there are four main categories, user can click on each category to extend detail items.



- Configuration: Include all telephony configuration of ePBX-100.
 - IP PBX
 - Extension
 - Trunk
 - SIP Trunk
 - Routing Table
- Information: To show related information.
 - Subscriber
 - System
- Management: Include all system management of ePBX-100.
 - Network
 - TimeZone
 - User Account
 - Firmware Upload
 - Music Upload
 - Export Setting
 - Import Setting
- Reboot System: To reboot system of ePBX-100.

2.5 Step 5: To configure basic and essential configurations

To make ePBX-100 work have to make some basic and essential configurations, which include Network, Extension (FXS and IP Phone devices), and Trunk (FXO devices).

2.5.1 Network Configuration

Enter Management-Network to configure WAN and LAN IP.

WAN		
Mode	# Fixed	Dhcp
IP_ADDRESS	192.168.1.99	
NETMASK	255.255.240.0	
GATEWAY	192.168.1.254	
DNS	81.235.136.2	
Mac	0001a8035a1d	

LAN	
IP_ADDRESS	192.168.1.133
NETMASK	255.255.255.0
Mac	0001a8035a1c

Apply Cancel

WAN

Mode: Select ePBX-100 WAN port network mode to be Fixed IP or DHCP.

IP Address/NETMASK/GATEWAY: If user has set ePBX-100 to be fixed IP mode. User need to input IP address/Subnet Mask/ Default Gateway.

DNS: Input DNS address.

Mac: Mac address of ePBX-100 WAN port. The Mac address cannot be modified.

LAN

IP Address: Input IP address for LAN port of ePBX-100.

NETMASK: Input Subnet Mask for LAN port of ePBX-100.

Mac: Mac address of ePBX-100 LAN port. The Mac address cannot be modified.

Press Apply to save configuration, or press Cancel to quit configuration.

2.5.2 Extension Configuration

User has to set Extension account for other device to register on ePBX-100. Enter **Configuration-Extension** to configure Extension data. On screen will show 100 sets Extension. User can press **Modify** to add new Extension or modify configured Extension data. Press **Delete** will delete the specified Extension.

Extension						
Configuration IP PBX Extension Trunk SIP Trunk Routing Table Information Management Reboot System	Index	Extension Number	Dtmfmode	Transversal	Setting	
	1	-none-	-none-	Disable	Modify	Delete
	2	-none-	-none-	Disable	Modify	Delete
	3	-none-	-none-	Disable	Modify	Delete
	4	-none-	-none-	Disable	Modify	Delete
	5	-none-	-none-	Disable	Modify	Delete
	6	-none-	-none-	Disable	Modify	Delete
	7	-none-	-none-	Disable	Modify	Delete
	8	-none-	-none-	Disable	Modify	Delete
	9	-none-	-none-	Disable	Modify	Delete
	10	-none-	-none-	Disable	Modify	Delete
	11	-none-	-none-	Disable	Modify	Delete
	12	-none-	-none-	Disable	Modify	Delete
	13	-none-	-none-	Disable	Modify	Delete
	14	-none-	-none-	Disable	Modify	Delete
	15	-none-	-none-	Disable	Modify	Delete
	16	-none-	-none-	Disable	Modify	Delete
	17	-none-	-none-	Disable	Modify	Delete

After press Modify can input detail setting for Extension.



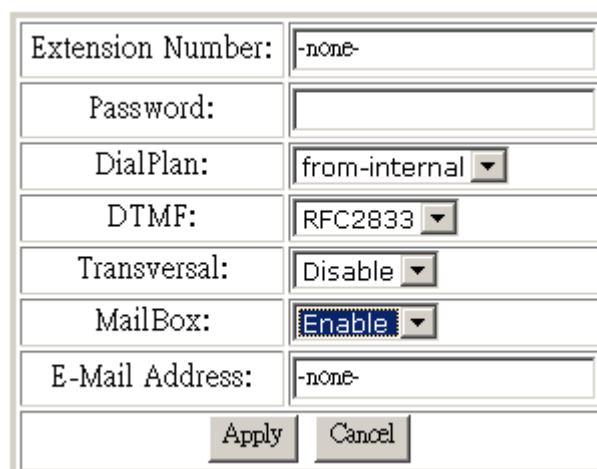
Extension Number: Assign the number of Extension. This number is also the register name for device.

Password: Assign the register password for device to register on ePBX-100.

DTMF: User can select DTMF type to be RFC2833, In-band, or SIP-Info.

Transversal: If the Extension device is behind NAT and need to register to ePBX-100 on public network, then user has to enable this function.

Mail Box: User can select to disable or enable mail box function. If this function is enabled, user has to input e-mail address for the Extension. When having voice mail of incoming call, system will send this voice mail to the specified e-mail address.



Press Apply to save configuration, or press Cancel to quit configuration.

2.5.3 Trunk Configuration

User has to set Trunk account for Trunk (FXO device, e.g. 3804A) to register to ePBX-100. Please note that only Trunk account can connect with automated attendant.

On screen will show 10 sets Trunks. User can press **Modify** to add new Trunk or modify configured Trunk data. Press **Delete** will delete the specified Trunk.

Trunk						
- Configuration e.PBX Extension Trunk SIP Trunk Routing Table - Information - Management - Reboot System	Index	Extension Number	Dtmfmode	Transversal	Setting	
	1	-none-	-none-	Disable	Modify	Delete
	2	-none-	-none-	Disable	Modify	Delete
	3	-none-	-none-	Disable	Modify	Delete
	4	-none-	-none-	Disable	Modify	Delete
	5	-none-	-none-	Disable	Modify	Delete
	6	-none-	-none-	Disable	Modify	Delete
	7	-none-	-none-	Disable	Modify	Delete
	8	-none-	-none-	Disable	Modify	Delete
	9	-none-	-none-	Disable	Modify	Delete
	10	-none-	-none-	Disable	Modify	Delete

After press Modify can input detail setting for Trunk.

The screenshot shows a web-based configuration interface for a Trunk. The title bar at the top is blue and contains the text 'Trunk Setting'. On the left side, there is a vertical sidebar with a blue background and white text. The sidebar contains a list of navigation items: 'Configuration', 'ePBX', 'Extension', 'Trunk', 'SIP Trunk', and 'Routing Table'. The 'Trunk' item is currently selected. The main content area is white and contains a form for configuring the Trunk. The form has five rows, each with a label and a dropdown menu: 'Extension Number' (with a value of 'none'), 'Password' (empty), 'DialPlan' (with a value of 'greeting'), 'DTMF' (with a value of 'RFC2833'), and 'Transversal' (with a value of 'Disable'). At the bottom of the form are two buttons: 'Apply' and 'Cancel'.

Trunk Number: Assign the number of Trunk. This number is also the register name for Trunk device.

Password: Assign the register password for device to register on ePBX-100.

DTMF: User can select DTMF type to be RFC2833, In-band, or SIP-Info.

Transversal: If the Trunk device is behind NAT and need to register to ePBX-100 on public network, then user has to enable this function.

Press Apply to save configuration, or press Cancel to quit configuration.

3. Application Setting

3.1 Customize Automated Attendant

3.1.1 Record Greeting

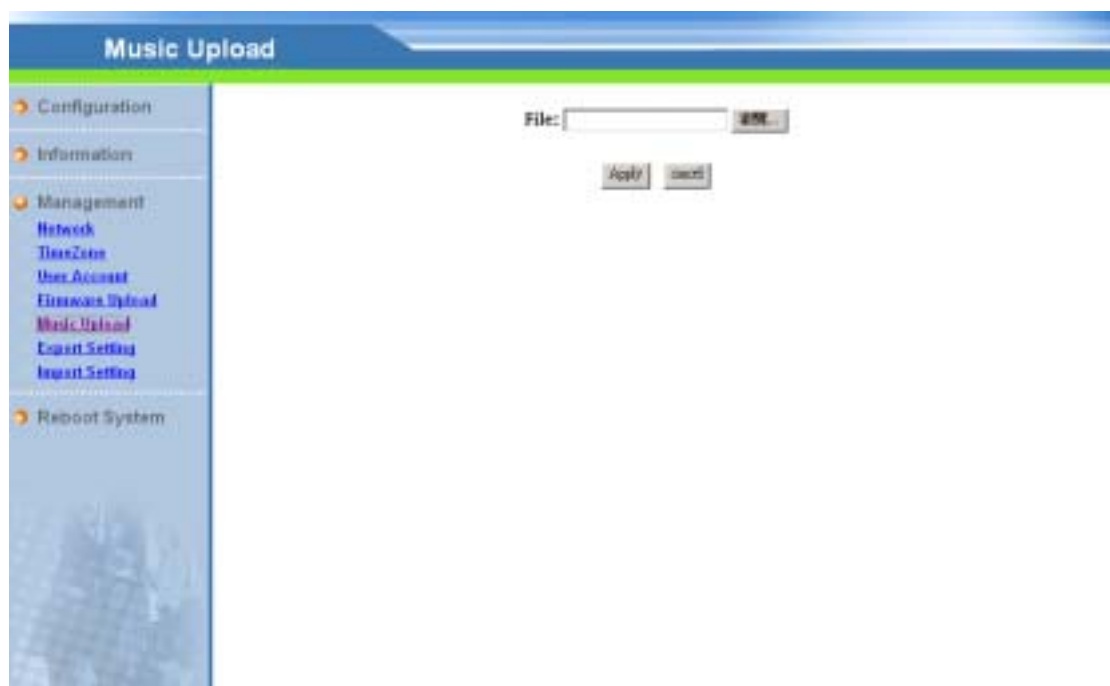
Use any Extension phone set to dial in ****111** will hear beep, then user can start to record, after recording press # then hang up phone set. Greeting will renew immediately after recording.

3.1.2 Enable Automated Attendant

User has to Enable Trunk (e.g. 3804A) hotline function and point to destination number ****999** (Number of Automated Attendant for ePBX-100). Once system has incoming call from PSTN, it will automatically connect to Automated Attendant.

3.2 Customize Ring Back Tone (Transferring Tone)

User can customize Ring Back Tone by upload new wave file on ePBX-100. Please record wave file format as **PCM, Channel Mode: Mono, Frequency: 8K, Bit Rate: 16 bit**. Enter **Management-Music Upload**-Press **Browse...**-select wave file-Press **Apply** to upload special Ring Back Tone. After Upload is finished, press Reboot to reboot system to renew Ring Back Tone.



3.3 Forget Login password or IP address

If user forgets the login password or IP address to enter web management of ePBX-100, please press **Reset** button, the ePBX-100 will reboot, login and network setting will return to default values. User can enter web management of default LAN IP address: **192.168.123123**, and login with UserID: **root**, no password.



3.4 Export / Import Configuration and wave files

User can export configuration and voice wave files. If there is more than one ePBX-100 need to be configured, user can export configuration of one ePBX-100, and then import this setting file for the other ePBX-100s, so that user doesn't need to re-configure all parameters for each ePBX-100.

3.4.1 Export Setting

Enter Management-Export Setting-Press Download, wait for system to collect setting-select directory to save setting file.

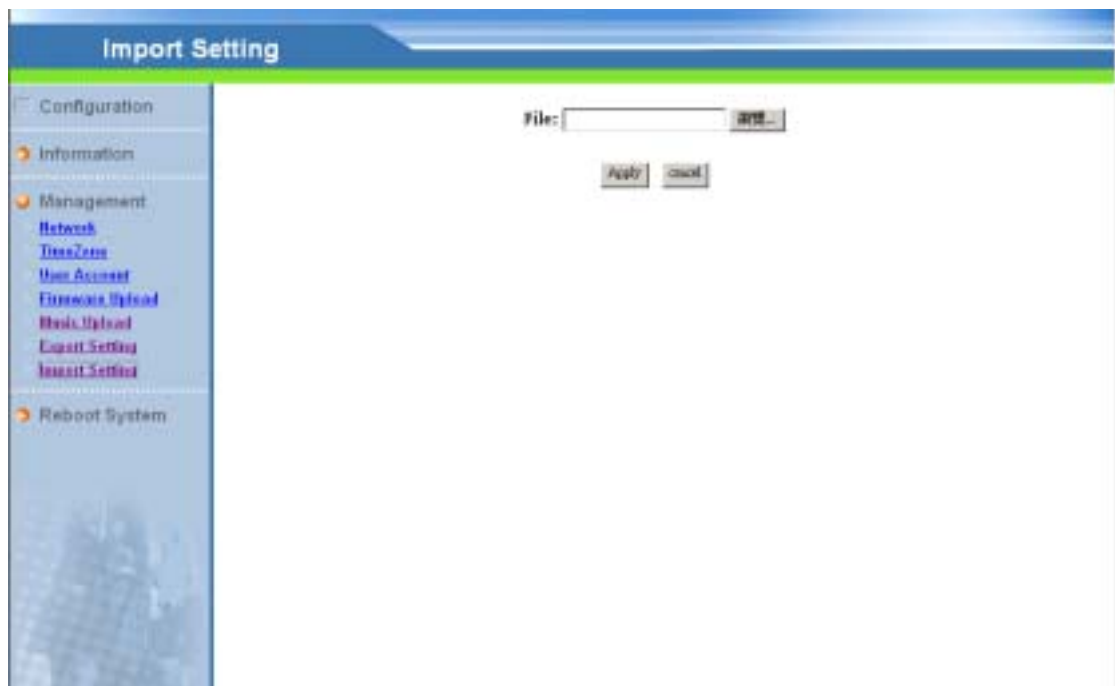


3.4.2 Import Setting

If there is ePBX-100 setting file exported from ePBX-100, user can import this file and doesn't need to re-configure all parameters for ePBX-100.

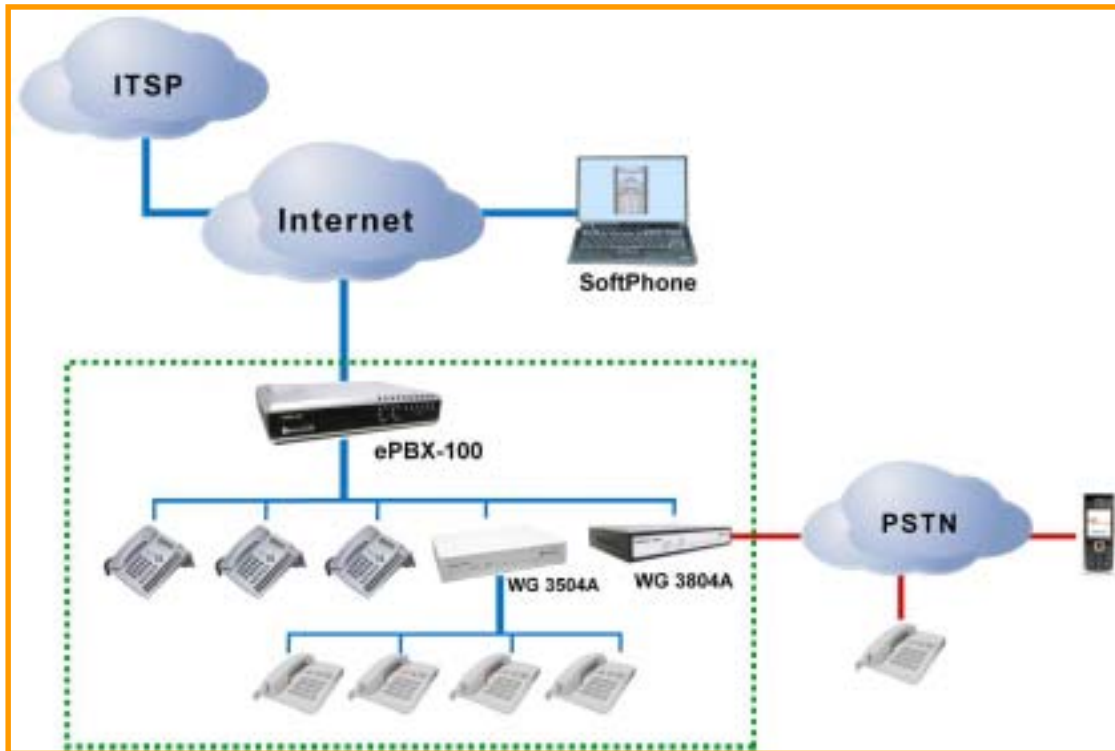
Enter Management-Import Setting-Press Browse and select setting file-Press Apply to Import Setting file.

After Import finished, on screen will show related information. **Please reboot system to renew system configuration.**



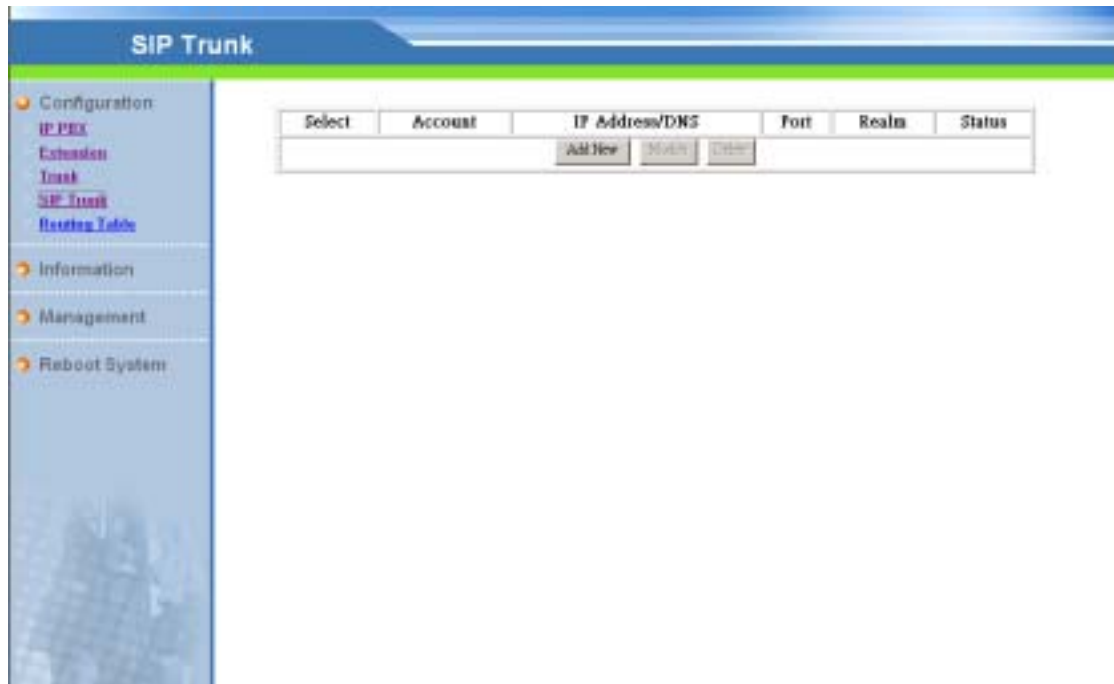
3.5 Connect ePBX-100 with ITSP

If user's environment is to connect with ITSP for cost-effective solution, please configure **SIP Trunk**.



Example Architecture with ITSP

Enter **Configuration-SIP Trunk-Add New** to configure ePBX-100 register to ITSP.



ITSP will provide related account information for ePBX-100 to register. Please enter the data here.

SIP Trunk Setting	
Enable:	☐
Account:	
Password:	
IP Address/DNS:	
Port:	
Realm:	
Status:	
Apply Cancel	

Enable: Check to enable this SIP Trunk.

Account: Account Name for registering to ITSP.

Password: Account Password for registering to ITSP.

IP Address/DNS: Enter IP or domain name of ITSP server.

Port: Port number of ITSP server for registering.

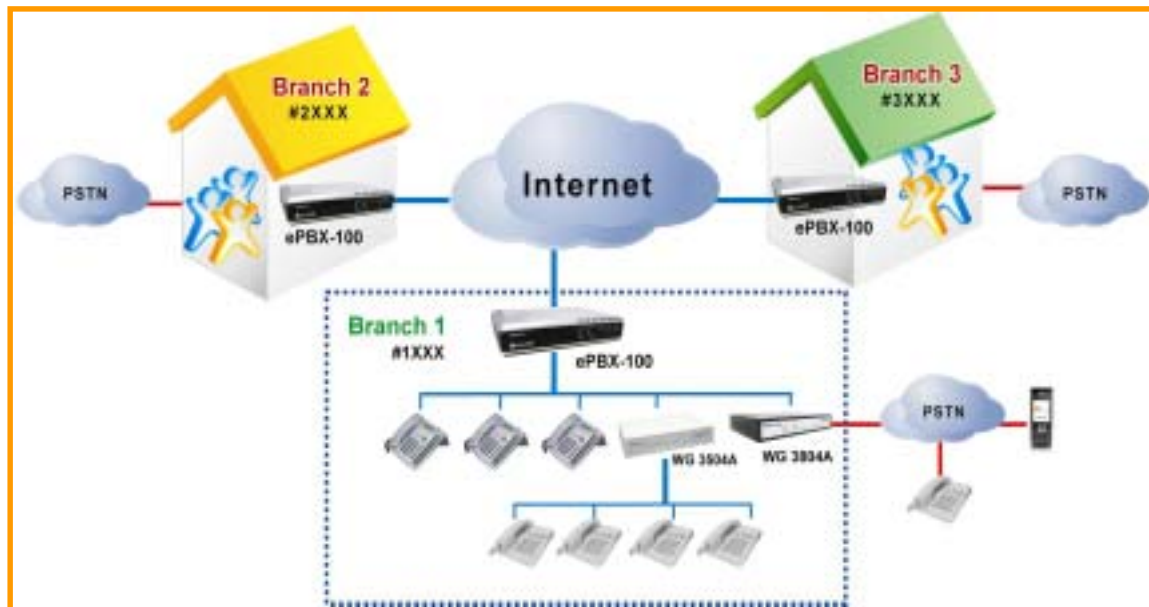
Realm: Realm of ITSP.

Status: Once SIP Trunk is configured and enabled, here will show the registration status.

Press Apply to save configuration, or press Cancel to quit configuration.

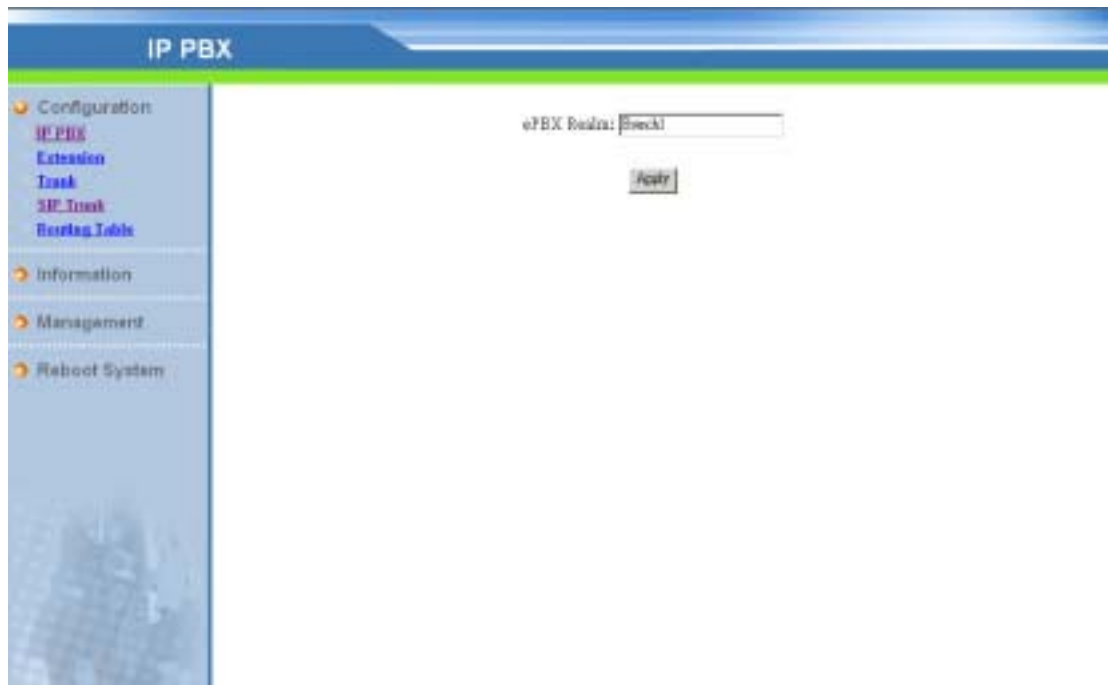
3.6 Multi-branch Enterprise

If there is more than one ePBX-100, user can integrate multi ePBX-100s and have free inter-calls.



Example Architecture of Multi-branch Enterprise

3.4.1 Enter **Configuration-IP PBX** to configure Realm.



3.4.2 Enter Configuration-SIP Trunk-Add New to configure ePBX-100 of the other branches.

Note: The Realm parameter is to set realm of other branches but not realm of it's own. For example, Enterprise has two branches, Branch 1's realm is A, and Branch 2's realm is B. For Branch 1 SIP Trunk Setting is to set the account to register to Branch 2's ePBX-100. The Realm needs to be input as B.

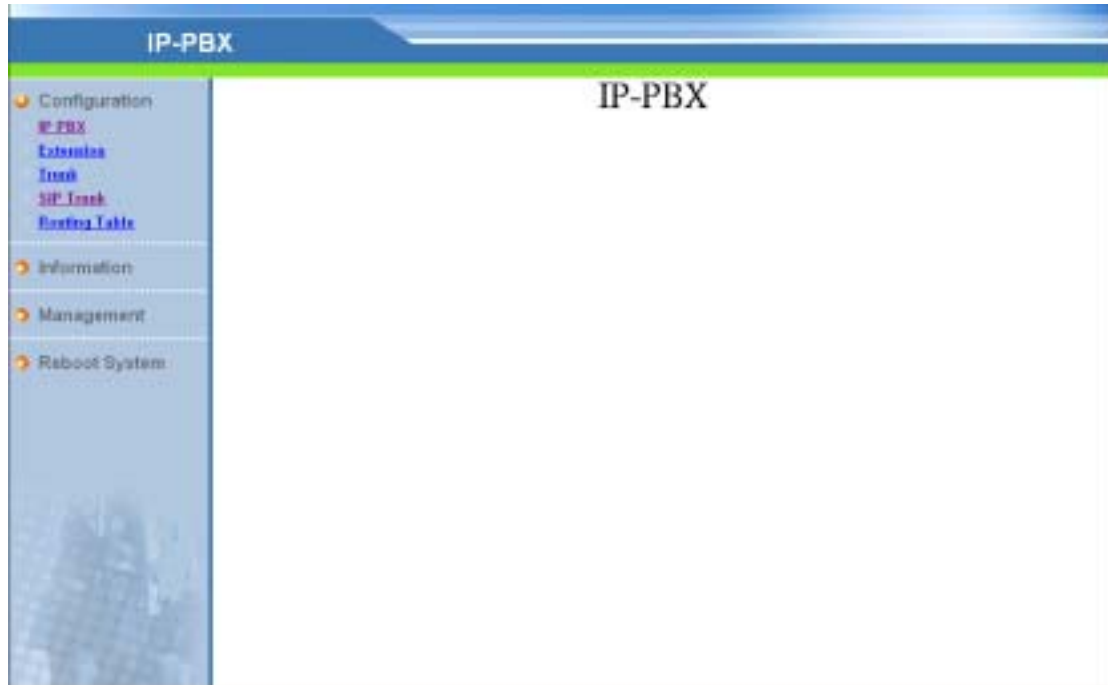
The screenshot shows a web interface for configuring SIP Trunk settings. On the left is a navigation menu with the following items: Configuration (selected), IP PBX, Extension, Trunk, SIP Trunk, Recording Table, Information, Management, and Reboot System. The main content area is titled "SIP Trunk Setting" and contains a form with the following fields: Enabled (checkbox), Account (text input), Password (text input), IP Address/DNS (text input), Port (text input), Realm (text input, containing "Branch2"), and Status (text input). At the bottom of the form are "Apply" and "Cancel" buttons.

SIP Trunk Setting	
Enabled:	☐
Account:	
Password:	
IP Address/DNS:	
Port:	
Realm:	Branch2
Status:	
Apply Cancel	

4. Full Web Configurations

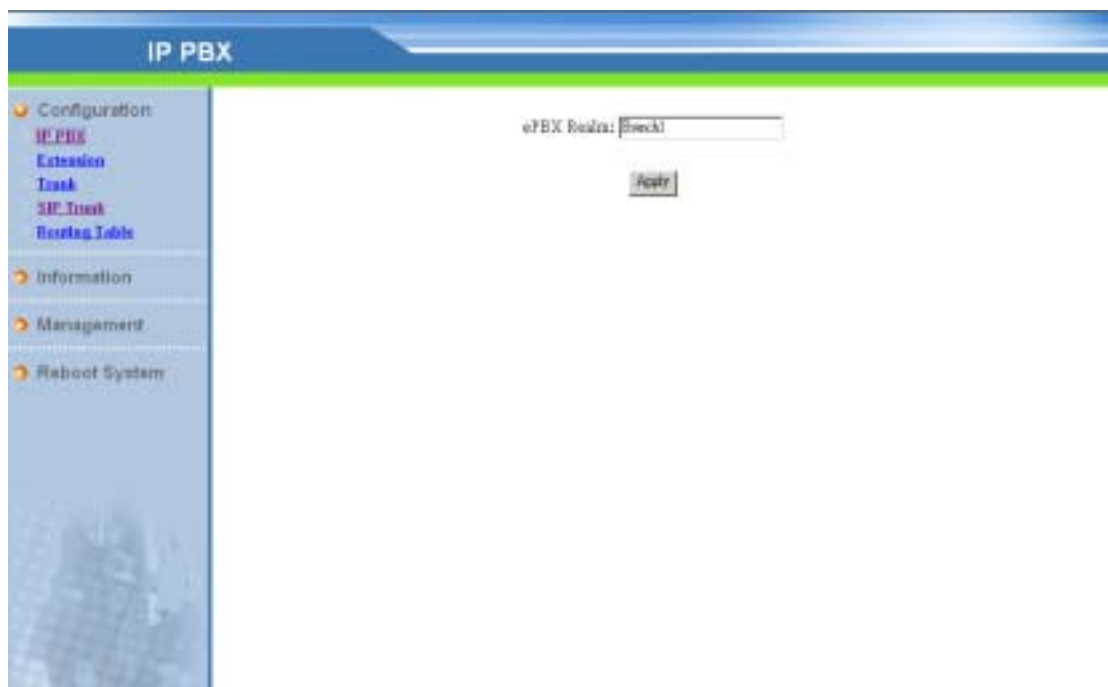
4.1 Configuration

User can set ePBX-100 telephony configuration under Configuration category.



4.1.1 IP PBX

Configure Realm of ePBX-100. This parameter is essential when there is more than one ePBX-100, and user wants to have inter-calls between ePBX-100s. Please refer to SIP Trunk configuration.



4.1.2 Extension

User has to set Extension account for other device to register on ePBX-100. Enter **Configuration-Extension** to configure Extension data. On screen will show 100 sets Extension. User can press **Modify** to add new Extension or modify configured Extension data. Press **Delete** will delete the specified Extension.

Extension						
Configuration IP PBX Extension Trunk SIP Trunk Routing Table Information Management Reboot System	Index	Extension Number	Dtmfmode	Transversal	Setting	
	1	-none-	-none-	Disable	Modify	Delete
	2	-none-	-none-	Disable	Modify	Delete
	3	-none-	-none-	Disable	Modify	Delete
	4	-none-	-none-	Disable	Modify	Delete
	5	-none-	-none-	Disable	Modify	Delete
	6	-none-	-none-	Disable	Modify	Delete
	7	-none-	-none-	Disable	Modify	Delete
	8	-none-	-none-	Disable	Modify	Delete
	9	-none-	-none-	Disable	Modify	Delete
	10	-none-	-none-	Disable	Modify	Delete
	11	-none-	-none-	Disable	Modify	Delete
	12	-none-	-none-	Disable	Modify	Delete
	13	-none-	-none-	Disable	Modify	Delete
	14	-none-	-none-	Disable	Modify	Delete
	15	-none-	-none-	Disable	Modify	Delete
	16	-none-	-none-	Disable	Modify	Delete
	17	-none-	-none-	Disable	Modify	Delete

After press Modify can input detail setting for Extension.



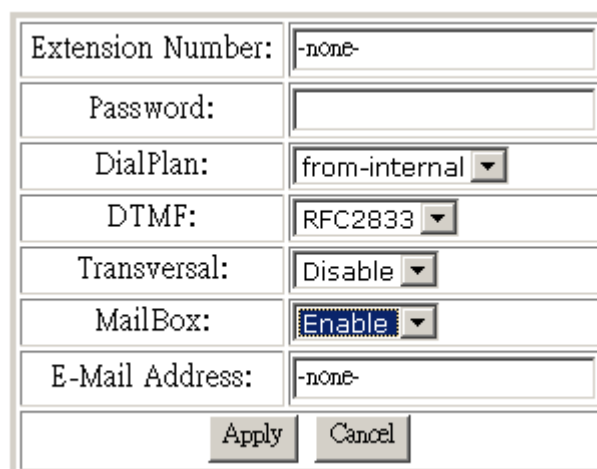
Extension Number: Assign the number of Extension. This number is also the register name for device.

Password: Assign the register password for device to register on ePBX-100.

DTMF: User can select DTMF type to be RFC2833, In-band, or SIP-Info.

Transversal: If the Extension device is behind NAT and need to register to ePBX-100 on public network, then user has to enable this function.

Mail Box: User can select to disable or enable mail box function. If this function is enabled, user has to input e-mail address for the Extension. When having voice mail of incoming call, system will send this voice mail to the specified e-mail address.



Press Apply to save configuration, or press Cancel to quit configuration.

4.1.3 Trunk

User has to set Trunk account for Trunk (FXO device, e.g. 3804A) to register to ePBX-100. Please note that only Trunk account can connect with automated attendant.

On screen will show 10 sets Trunks. User can press **Modify** to add new Trunk or modify configured Trunk data. Press **Delete** will delete the specified Trunk.

Trunk						
- Configuration ePBX - Extension Trunk - SIP Trunk - Routing Table - Information - Management - Reboot System	Index	Extension Number	Dtmfmode	Transversal	Setting	
	1	-none-	-none-	Disable	Modify	Delete
	2	-none-	-none-	Disable	Modify	Delete
	3	-none-	-none-	Disable	Modify	Delete
	4	-none-	-none-	Disable	Modify	Delete
	5	-none-	-none-	Disable	Modify	Delete
	6	-none-	-none-	Disable	Modify	Delete
	7	-none-	-none-	Disable	Modify	Delete
	8	-none-	-none-	Disable	Modify	Delete
	9	-none-	-none-	Disable	Modify	Delete
	10	-none-	-none-	Disable	Modify	Delete

After press Modify can input detail setting for Trunk.

The screenshot shows a web-based configuration interface for a Trunk. The title bar at the top is blue and contains the text "Trunk Setting". On the left side, there is a vertical sidebar with a blue background and white text. The sidebar contains a "Configuration" section with a plus icon, followed by links for "ePBX", "Extension", "Trunk", "SIP Trunk", and "Routing Table". Below these are sections for "Information", "Management", and "Reboot System", each with a plus icon. The main content area is white and contains a form for configuring a Trunk. The form has the following fields: "Extension Number" with a text input field containing "1000", "Password" with a text input field, "DialPlan" with a dropdown menu showing "greeting", "DTMF" with a dropdown menu showing "RFC2833", and "Transversal" with a dropdown menu showing "Disable". At the bottom of the form are two buttons: "Apply" and "Cancel".

Trunk Number: Assign the number of Trunk. This number is also the register name for Trunk device.

Password: Assign the register password for device to register on ePBX-100.

DTMF: User can select DTMF type to be RFC2833, In-band, or SIP-Info.

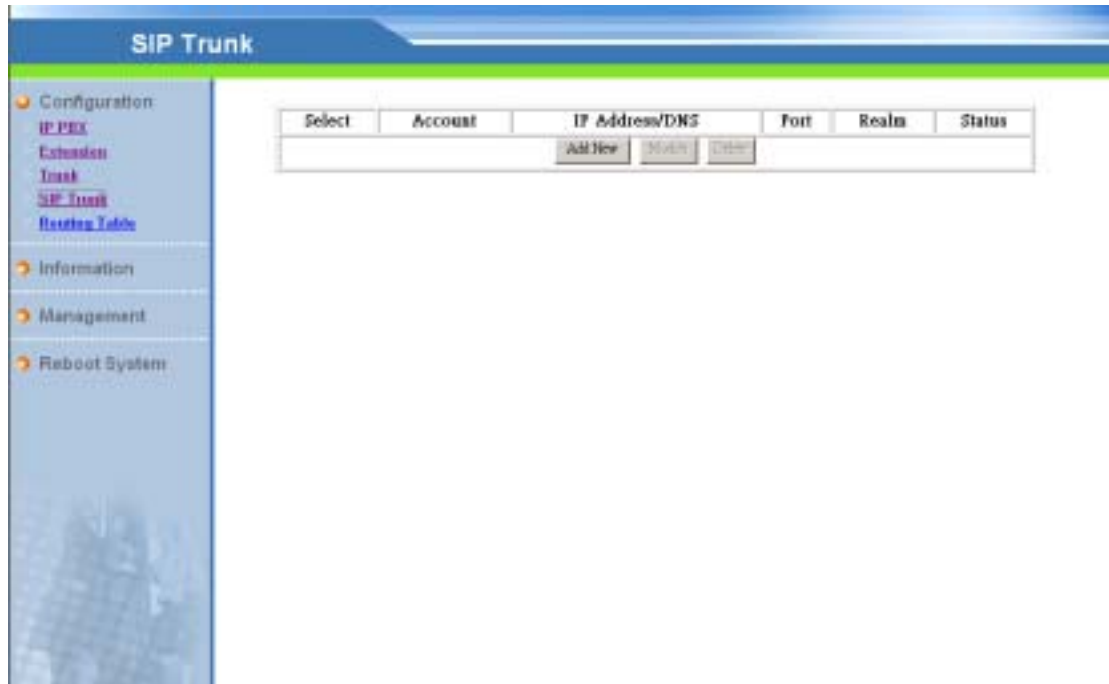
Transversal: If the Trunk device is behind NAT and need to register to ePBX-100 on public network, then user has to enable this function.

Press Apply to save configuration, or press Cancel to quit configuration.

4.1.4 SIP Trunk

SIP Trunk is for ePBX-100 to register to other systems, such as ITSP or another ePBX-100.

Enter **Configuration-SIP Trunk-Add New** to configure ePBX-100 register to ITSP.



ITSP will provide related account information for ePBX-100 to register. Please enter the data here.

SIP Trunk Setting	
Enable:	☐
Account:	
Password:	
IP Address/DNS:	
Port:	
Realm:	
Status:	
Apply Cancel	

Enable: Check to enable this SIP Trunk.

Account: Account Name for registering to ITSP.

Password: Account Password for registering to ITSP.

IP Address/DNS: Enter IP or domain name of ITSP server.

Port: Port number of ITSP server for registering.

Realm: Realm of ITSP or another ePBX-100.

Status: Once SIP Trunk is configured and enabled, here will show the registration status.

Press Apply to save configuration, or press Cancel to quit configuration.

4.1.5 Routing Table

Routing Table is to set routing rule of ePBX-100. There are two directions to set rules: Outgoing Call Rule means from subscriber (Extension or Trunk registered on ePBX-100) to call out. Incoming Call Rule means call from other non-subscriber device to ePBX-100.

Enter Configuration-Routing Table-select direction and press Add New to set routing table.

The screenshot displays the 'Routing Table Configuration' web interface. On the left is a navigation menu with the following items: Configuration (selected), IP PBX, Extension, Trunk, SIP Trunk, and Routing Table. The main content area contains two tables for configuring call rules.

Outgoing Call Rule

Select	Prefix	Digits Length	Primary Dest.	Add	Drop
			Secondary Dest.		
			Third Dest.		
			Add New	Edit	Delete

Incoming Call Rule

Select	Prefix	Digits Length	Add	Drop
		Add New	Edit	Delete

4.1.5.1 Outgoing Call Rule

Outgoing Call Rule means from subscriber (Extension or Trunk registered on ePBX-100) to call out.

	Primary	Secondary	Third
Destination			
Add			
Drop			

Apply Cancel

Prefix: Set prefix number for routing rule.

Digits Length: Set the length of dialed number, if user doesn't want to limit the length, please set this parameter as 0. The maximum length is 20.

Primary/Secondary/Third: User can set three priorities for each routing rule, if ePBX-100 fail to route to primary destination three times, it will try to route to secondary or third destination.

Destination: User can set number or IP address as destination. If user set subscriber's number as destination, and the subscriber doesn't register on ePBX-100, ePBX-100 will skip this priority and route call to next priority immediately without trying.

Drop: To drop specified length of number.

Add: To add assigned number.

Press Apply to save configuration, or press Cancel to quit configuration.

Example:

If user set prefix as **002**, digits length as **12**, Primary destination as 123.123.123.123, Drop as **3**, and Add as **0**.

When caller called 002912345678, the prefix is 002, length is 12, so this call match the routing rule.

002912345678 → 912345678(Drop **3** digits) → **0**912345678

Finally, ePBX-100 will send 0912345678 to IP 123.123.123.123.

4.1.5.2 Outgoing Call Rule

Incoming Call Rule means call from other non-subscriber device to ePBX-100.



The image shows a web-based configuration interface titled "Incoming Call Rule Setting". On the left is a sidebar menu with the following items: "Configuration" (expanded), "IP PBX", "Extension", "Trunk", "SIP Trunk", "Resetting Table", "Information", "Management", and "Reboot System". The main content area contains a form with four input fields: "Prefix", "Digit Length", "Add", and "Drop". Below these fields are two buttons: "Apply" and "Cancel".

Prefix:	
Digit Length:	
Add:	
Drop:	
Apply Cancel	

Prefix: Set prefix number for routing rule.

Digits Length: Set the length of dialed number, if user doesn't want to limit the length, please set this parameter as 0. The maximum length is 20.

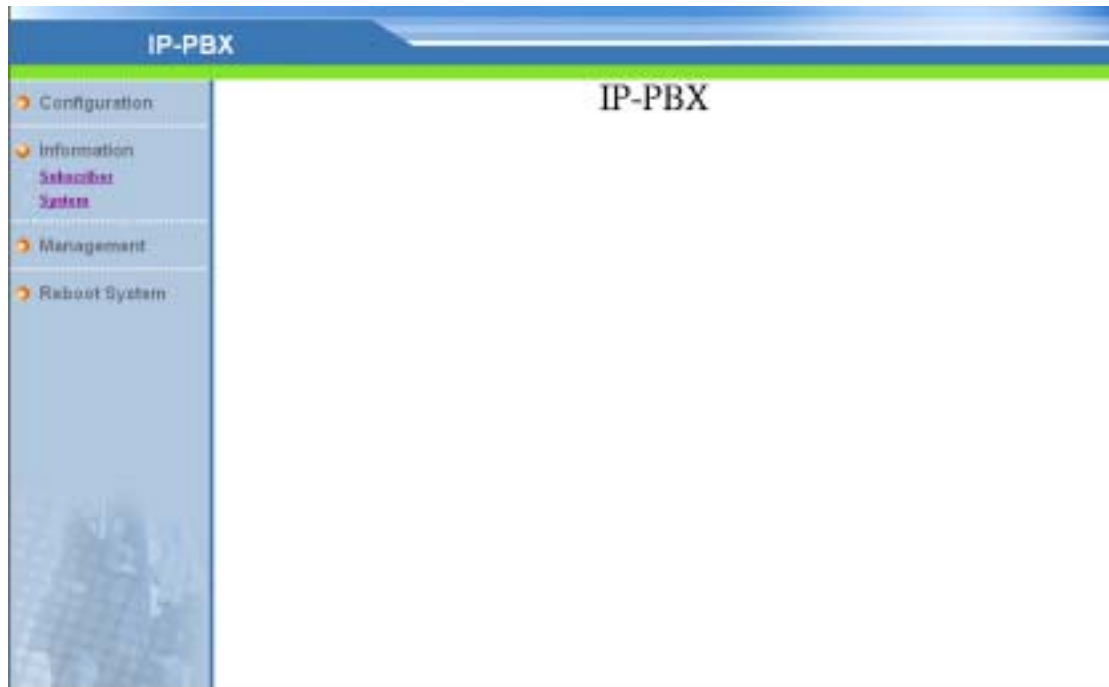
Drop: To drop specified length of number.

Add: To add assigned number.

Press Apply to save configuration, or press Cancel to quit configuration.

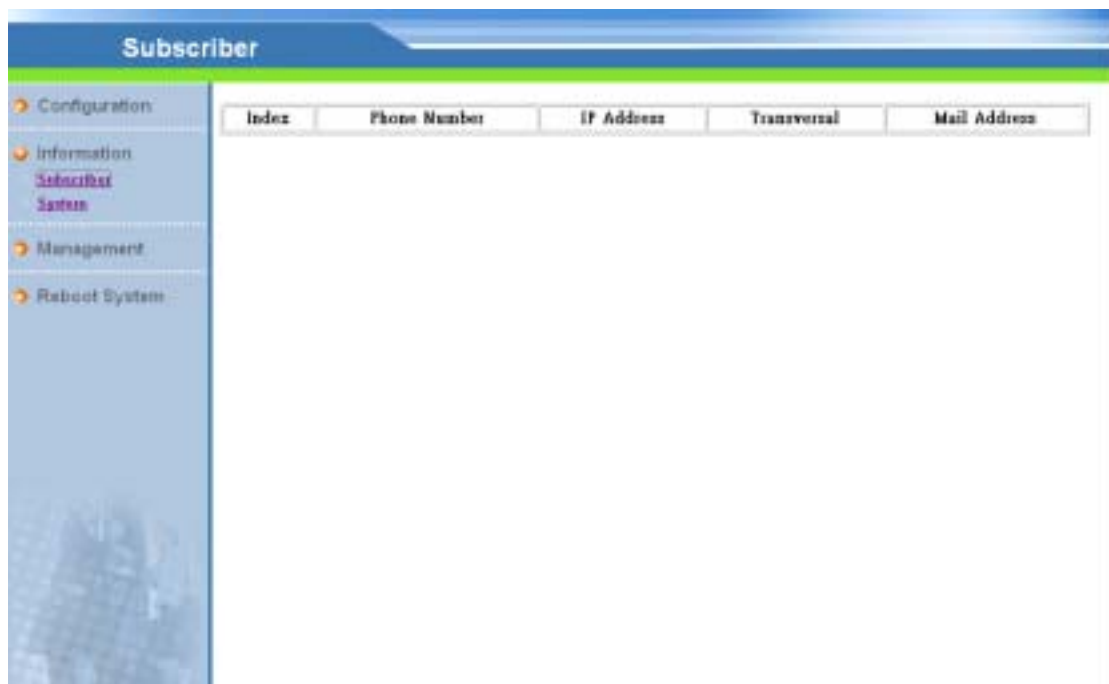
4.2 Information

User can check some information of ePBX-100 here.



4.2.1 Subscriber

Enter Information-Subscriber to check information of Subscriber. User check Phone Number, IP Address, Transversal and Mail Address here. If subscriber registered on ePBX-100, the IP Address will show up, on the other hand, if the subscriber doesn't register successfully on ePBX-100, the IP Address will not be displayed.



4.2.2 System

Enter Information-System to check information of system.

4.3 Management

User can execute ePBX-100 system configuration and management under this category.



4.3.1 Network

Enter Management-Network to configure WAN and LAN IP.

The screenshot shows a web-based configuration interface for a network device. The title bar at the top is blue and labeled 'Network'. On the left is a vertical navigation menu with the following items: 'Configuration' (selected), 'Information', 'Management' (with sub-items: 'Network', 'TimeZone', 'User Account', 'Firmware Upload', 'Basic Upload', 'Export Setting', 'Import Setting'), and 'Reboot System'. The main content area displays two configuration tables. The first table is titled 'WAN' and has columns for 'Mode' (with radio buttons for 'Fixed' and 'Dhcp'), 'IP_ADDRESS', 'NETMASK', 'GATEWAY', 'DNS', and 'Mac'. The values are: Mode (Fixed selected), IP_ADDRESS (192.168.1.99), NETMASK (255.255.240.0), GATEWAY (192.168.1.254), DNS (81.220.126.1), and Mac (0001a9035a1d). The second table is titled 'LAN' and has columns for 'IP_ADDRESS', 'NETMASK', and 'Mac'. The values are: IP_ADDRESS (192.168.123.123), NETMASK (255.255.255.0), and Mac (0001a9035a1c). At the bottom of the configuration area are two buttons: 'Apply' and 'Cancel'.

WAN	
Mode	☒ Fixed ☐ Dhcp
IP_ADDRESS	192.168.1.99
NETMASK	255.255.240.0
GATEWAY	192.168.1.254
DNS	81.220.126.1
Mac	0001a9035a1d

LAN	
IP_ADDRESS	192.168.123.123
NETMASK	255.255.255.0
Mac	0001a9035a1c

Apply Cancel

WAN

Mode: Select ePBX-100 WAN port network mode to be Fixed IP or DHCP.

IP Address/NETMASK/GATEWAY: If user has set ePBX-100 to be fixed IP mode. User need to input IP address/Subnet Mask/ Default Gateway.

DNS: Input DNS address.

Mac: Mac address of ePBX-100 WAN port. The Mac address cannot be modified.

LAN

IP Address: Input IP address for LAN port of ePBX-100.

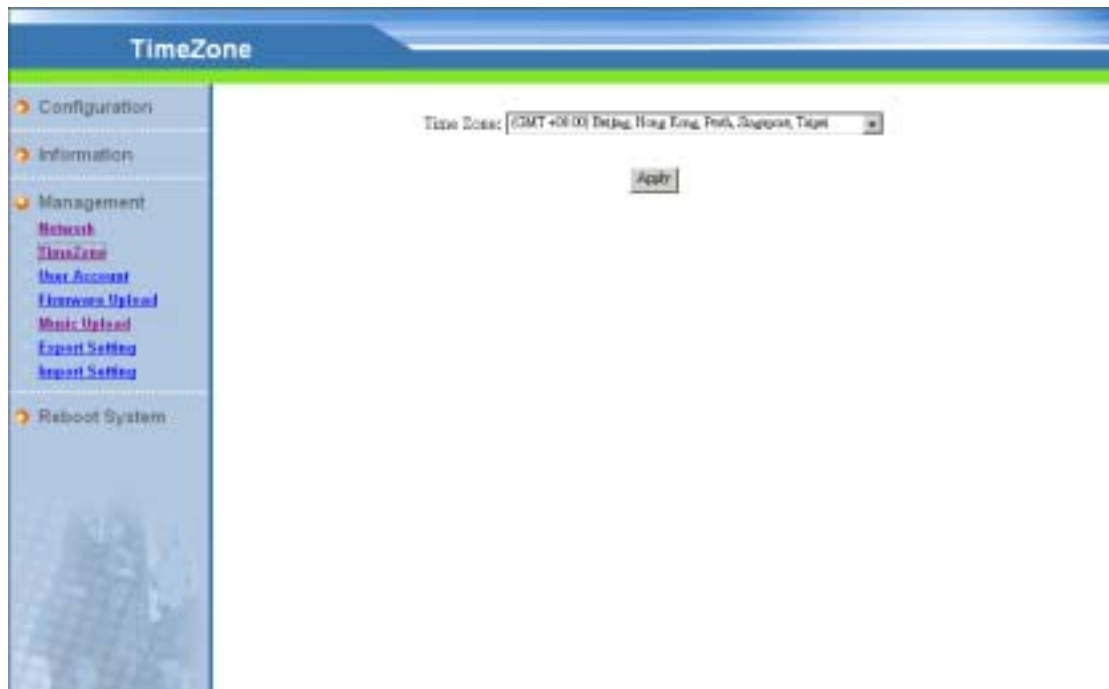
NETMASK: Input Subnet Mask for LAN port of ePBX-100.

Mac: Mac address of ePBX-100 LAN port. The Mac address cannot be modified.

Press Apply to save configuration, or press Cancel to quit configuration.

4.3.2 TimeZone

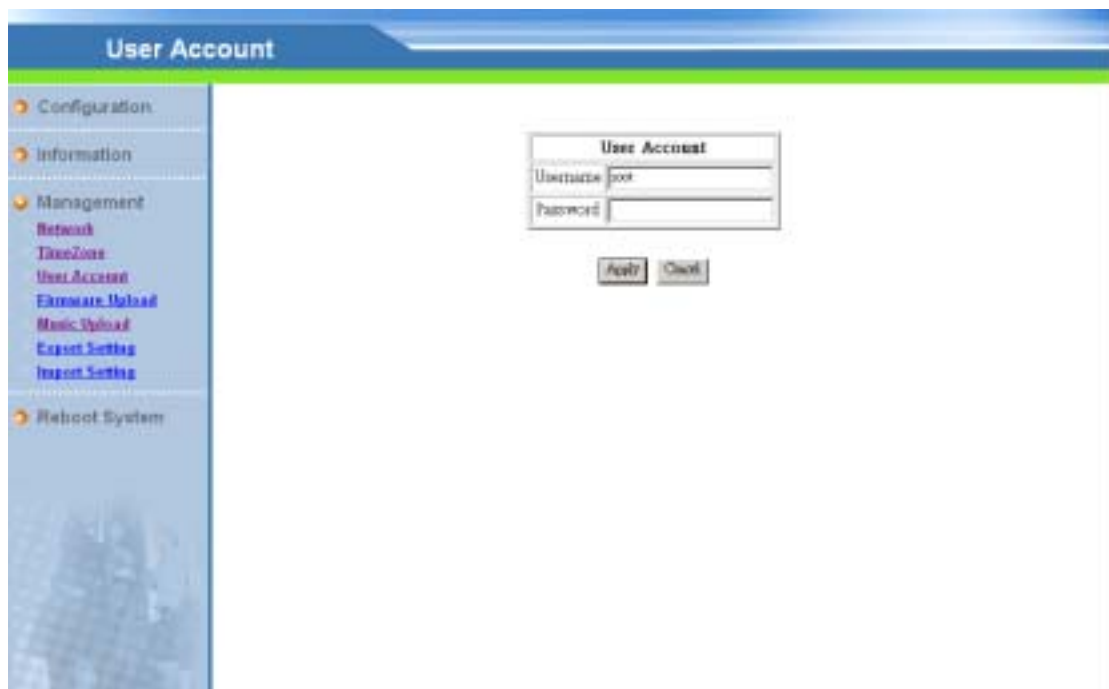
Enter Management-TimeZone to select correct Time Zone for ePBX-100, this time will affect CDR and voice mail time display.



The screenshot shows the 'TimeZone' configuration page. On the left is a navigation menu with categories: Configuration, Information, Management, and Reboot System. Under 'Management', there are links for Network, TimeZone (highlighted), User Account, Firmware Upload, Music Upload, Export Setting, and Import Setting. The main content area has a title bar 'TimeZone' and a dropdown menu for 'Time Zone' with the value 'GMT+08:00 Beijing, Hong Kong, Perth, Singapore, Taipei'. Below the dropdown is an 'Apply' button.

4.3.3 User Account

Enter Management-User Account User can set login User name and Password here. System only one set of user.

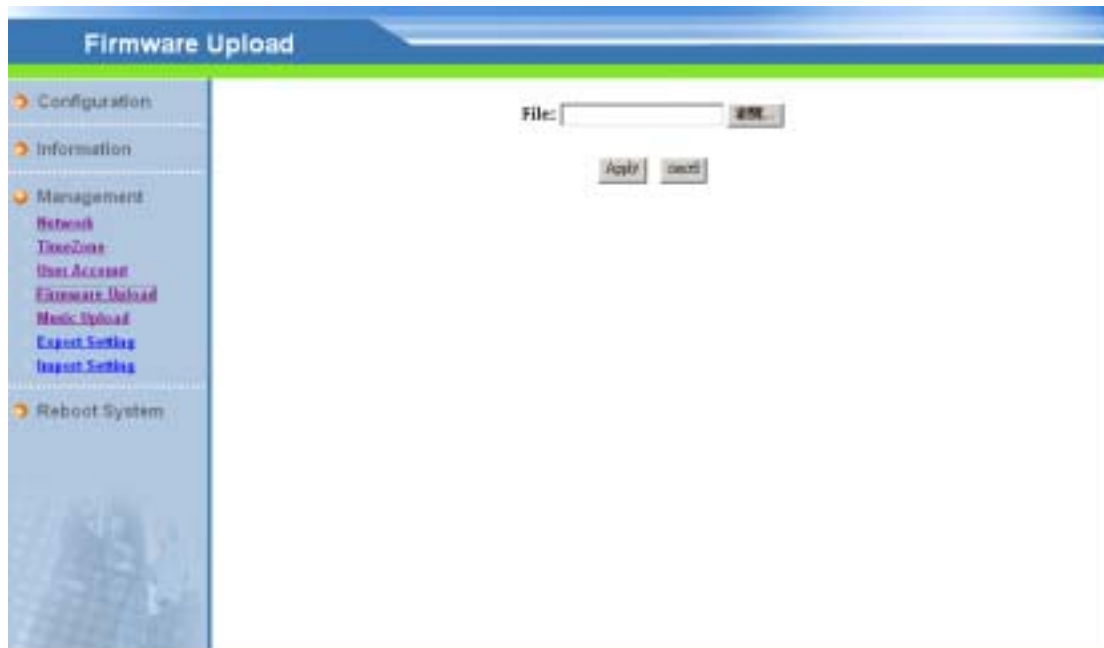


The screenshot shows the 'User Account' configuration page. The left navigation menu is identical to the previous page, with 'User Account' highlighted under the 'Management' category. The main content area has a title bar 'User Account' and a form with two input fields: 'Username' (containing 'root') and 'Password' (empty). Below the form are 'Apply' and 'Cancel' buttons.

4.3.4 Firmware Upload

Enter Management-Firmware Upload to update firmware. Press browse to select firmware, and then press Apply to upload data or press Cancel to quit input.

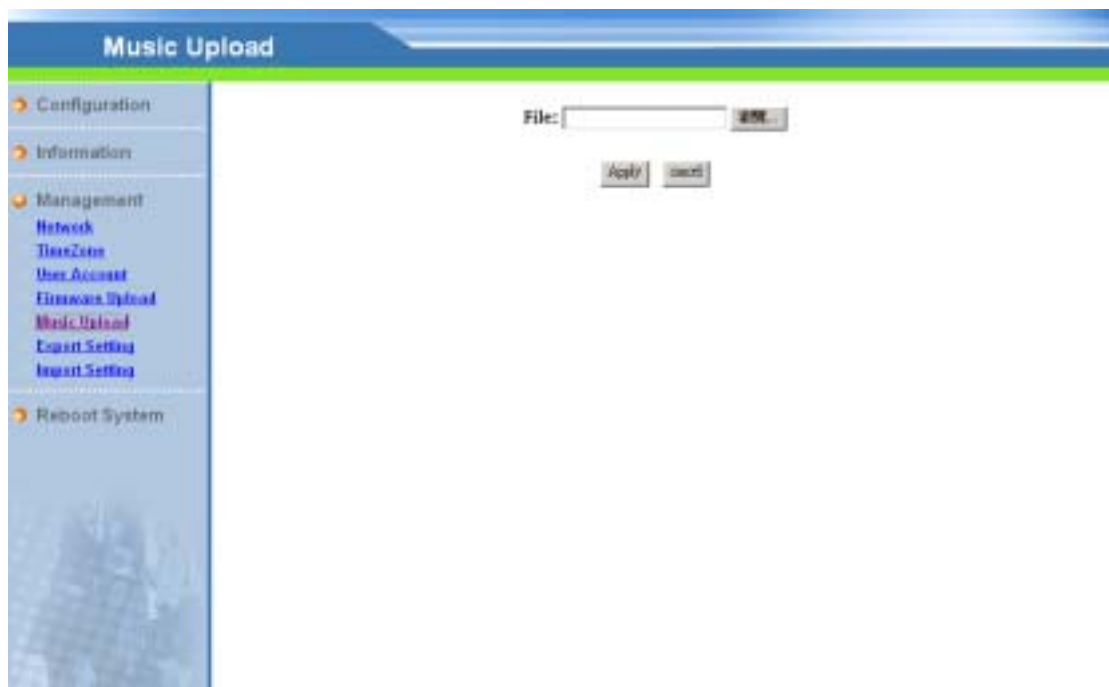
After upload succeed, on screen will show related information. **Please reboot system to renew system firmware.**



4.3.5 Music Upload

User can customize Ring Back Tone (Transferring Tone) by upload new wave file on ePBX-100. Please record wave file format as **PCM, Channel Mode: Mono, Frequency: 8K, Bit Rate: 16 bit**.

Enter **Management-Music Upload**-Press **Browse...**-select wave file-Press **Apply** to upload special Ring Back Tone. After Upload is finished, press **Reboot** to reboot system to renew Ring Back Tone.



4.3.6 Export Setting

User can export configuration and voice wave files. If there is more than one ePBX-100 need to be configured, user can export configuration of one ePBX-100, and then import this setting file for the other ePBX-100s, so that user doesn't need to re-configure all parameters for each ePBX-100.

Enter Management-Export Setting-Press Download, wait for system to collect setting-select directory to save setting file.

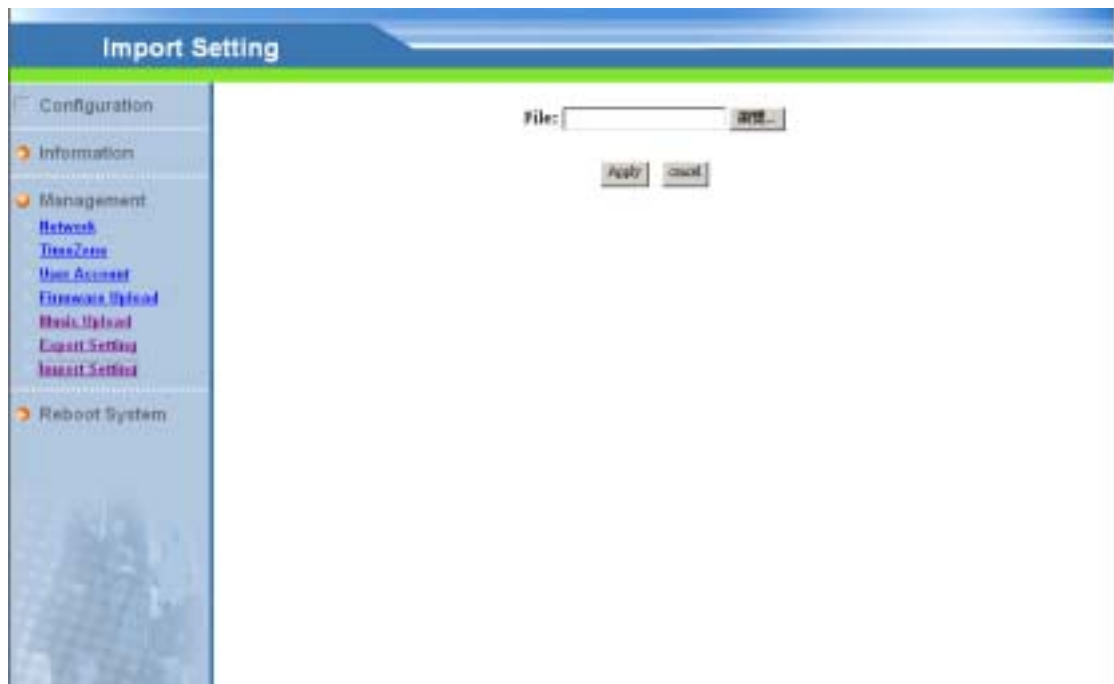


4.3.7 Import Setting

If there is ePBX-100 setting file exported from ePBX-100, user can import this file and doesn't need to re-configure all parameters for ePBX-100.

Enter Management-Import Setting-Press Browse and select setting file-Press Apply to Import Setting file.

After Import finished, on screen will show related information. **Please reboot system to renew system configuration.**



4.4 Reboot System

Press Apply to reboot system. Please wait for a few minutes and reload web page again.

