

Dynamix DW 26xx Series

VoIP Gateway

User Manual



Revision Information		
Version	Date	Description
107	Mar-8-2010	5 nd English Version

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1. Introduction

1.1 26xx Telephony Gateway

The Dynamix DW 26xx is an 4 to 8-ports FXS/FXO VoIP gateway which includes 1-WAN/4-LAN 10/100 base-T NAT router to meet the current network environment. Field-proven quality of Voice communication and Fax transmission over IP broadband access network to makes Dynamix DW 26xx series to be an excellent solution for various VoIP applications.

1.2 Benefits

- Ideally suited for Enterprise use, rich-feature designed to inter-work with IP-PBXs for small and middle enterprises.
- Carrier-grade features are supported and tested to be fully interoperable with leading Soft-Switches.
- Provide CDR for call shop application.
- Superb device for apartment VoIP service.

1.3 Physical Interface

- Ethernet port (RJ-45, 10/100 base-T)
 - 1-WAN port, for connect to router, ADSL modem (ATU-R), or switch hub directly.
 - 4-LAN port, for PC or other network devices connecting.
- Telephony port (RJ-11) --- depending on different models
 - 8-FXS ports, to connect with analog phone
 - 8-FXO ports, to connect with PSTN
 - 4-FXO/4FXS ports, to connect with PSTN and analog phone
 - 4 FXO ports, to connect with PSTN
 - 4 FXS ports, to connect with phone
- Reset button (Factory Default)
- AC power Jack
- Status indicated LED
 - Indicates Ethernet, FXS, and SIP system status

1.4 Specification

- **IP Network connection**
 - IPv4 (RFC 791)
 - MAC Address (IEEE 802.3)
 - PPPoE Client (RFC 2516)
 - DNS Client
 - DHCP Client (RFC 2131)
 - DHCP Server (RFC 2131)
 - NAT (RFC 1631)
 - TCP/UDP (RFC 793/768)
 - ICMP (RFC 792)
 - RTP/RTCP (RFC 1889/1890)
 - SNTP (RFC 2030)
 - TFTP Client
 - Telnet Server
 - HTTP Server
 - QoS – 802.1Q Virtual LANs
 - DiffServ (RFC 2475) / ToS (RFC 791/1349)
- **IP Telephony (VoIP)**
 - SIPv2 (RFC 3261)
 - Session Timer (RFC 4028)
 - Privacy Mechanism (RFC 3323)
 - Outbound proxy setting for increasing performance, productivity, and security.
 - SIP proxy redundancy- Support Primary and Secondary proxy.
 - Voice Codecs
 - G.711 (a-Law/u-Law): 64k bits (PCM)
 - G.723.1: 6.3k/5.3k bits
 - G.729A: 8k bits (CS-SCELP)
 - VAD – Voice Activity Detection with Silence Suppression
 - CNG – Comfortable Noise Generation
 - Echo Cancellation (G.165/G.168)
 - Jitter Buffer – Adaptive & Configurable
 - Packet Loss compensation - increasing voice quality
 - DTMF: In-band, Out-of-band (RFC 2833), and SIP-Info
 - Caller Generation/Detection – FSK, DTMF
 - FAX transmission

- G.711 pass-through
- T.38 Fax relay protocol
- Tone Generation & Detection
 - Ringing Tone
 - Ring Back Tone
 - Dial Tone
 - Programming Tone
- Call Features
 - Call Hold
 - Call Transfer (Blind & consultant)
 - Call Forward (Unconditional / No Answer / Busy)
- MWI – Message Waiting Indication
- PSTN Routing Prefix (2644 only)
- PSTN Bypass when network or system failure (2644 only)
- IP line hunting
- Call Routing Plan
- Digit Manipulation
- Adjustable volume level
- **Security**
 - HTTP 1.1 basic/digest authentication for WEB access
 - MD5 for SIP authentication (RFC 2069/2617)
 - Password protected Admin access authority

1.5 Setting and maintenance

- Configure & Update method
 - Web Browser (HTTP)
 - Telnet
 - FTP/TFTP
- Setting parameter Import /Export
- Voice announcement of IP address
- Syslog Client – Debug & CDR (Call Detail Record)

1.6 Environmental

- Dimension: 35 × 242 × 160 mm (Desktop)
- Weight: 0.935kg (unit)
- Operating Temp. & Humidity

- Temp.: 0°C ~ 45°C (32°F ~ 113°F)
- Humidity: 10% ~ 85% relative humidity, non-condensing
- Storage Temp. & Humidity
 - Temp.: 0°C ~ 55°C (32°F ~ 131°F)
 - Humidity: 10% ~ 95% relative humidity, non-condensing
- AC Power Adaptor:
 - INPUT: AC100V-240V, 50/60Hz
 - OUTPUT: DC 12V, 3.0A
- Regulatory Compliance: FCC (Part 15, Class B) & CE

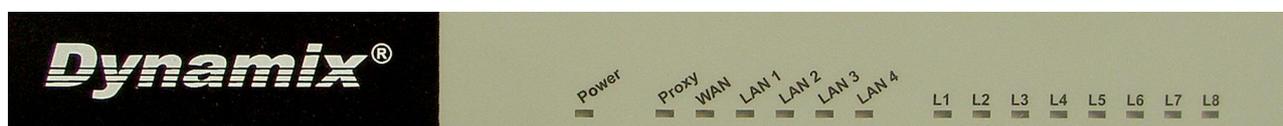
2. Appearance

2.1 Front Panel: LED Indicators

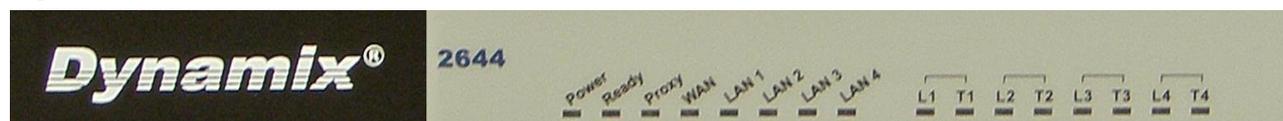
Dynamix DW 2608



Dynamix DW 2680



Dynamix DW 2644



LED	Description
Power	When the power adapter is connected, the LED will light up green.
Ready	When system is startup successfully, the LED will light up green.
Proxy	When the gateway is registered successfully to a Proxy, this will light up green.
WAN	This will light up green when the gateway's WAN port is physically connected to the public internet. When data is

	transmitted through this port, it will flash green. The default IP of WAN port is 10.1.1.3.
LAN (1-4)	This will light up green when the gateway's LAN port 1-4 is physically connected to a local network (Refer to Rear Panel section in page number for location of LAN port 1-4). When data is transmitted through this port, it will flash green. The default IP of LAN port is 192.168.123.123.
T1-T8	The status LED for FXS port 1-8, this will light up amber orange when the connected phone's handset is lifted, or when the connected phone is engaged in a conversation. It will flash amber orange when there is an incoming call.
L1-L8	The status LED for FXO port 1-8. When there is no PSTN connected, this LED will become blinking. When PSTN is connected and no talking, the LED will be off. When a line is using, the LED will become light up.

2.2 Rear Panel: LED Indicators

Dynamix DW 2608



Dynamix DW 2680



Dynamix DW 2644



Item	Description
Reset	Press and hold over 5 seconds to reload factory default setting, this will erase all the settings configured on the

	gateway.
T1-T8	The RJ-11 FXS port 1-8, connects analog phone sets, trunk line in PABX.
L1-L8	The RJ-11 FXO port 1-8, connect to PSTN
T1/P1-T4/P4	It is a pair of FXO and FXS connector. The different is that the when power off or application is crashed, the FXO and FXS will be connected together automatically for local surviving.
LAN 1-4	10/100 Base-T RJ-45 socket for LAN port 1-4, connects to local area network.
WAN	10/100 Base-T RJ-45 socket for WAN port, connects to wide area network.
DC 12V	The power socket, input AC 100V~120V; output DC12V.3A

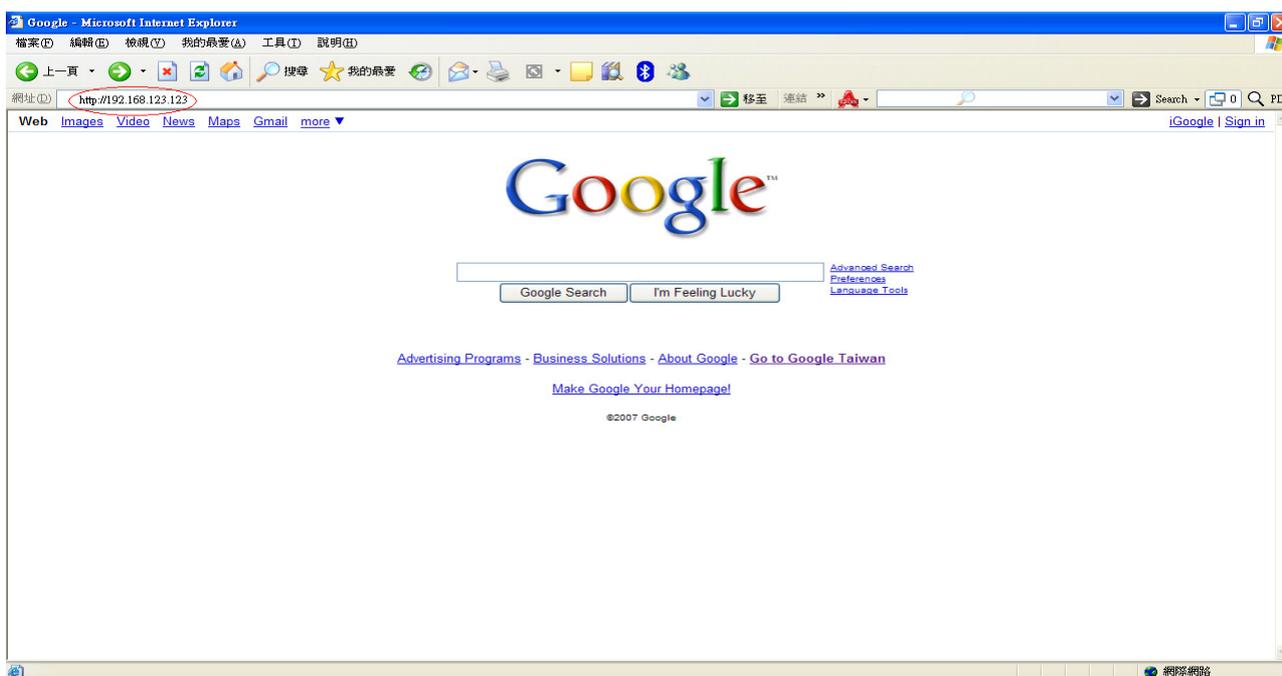
3. Environment Setup and IP Connection

First of all, connect your computer to Dynamix DW 26xx's LAN port by using DHCP. The IP address assign to your computer should be 192.168.123.x by default. Once you can get the IP address from Dynamix DW 26xx, you can start the configuration as below.

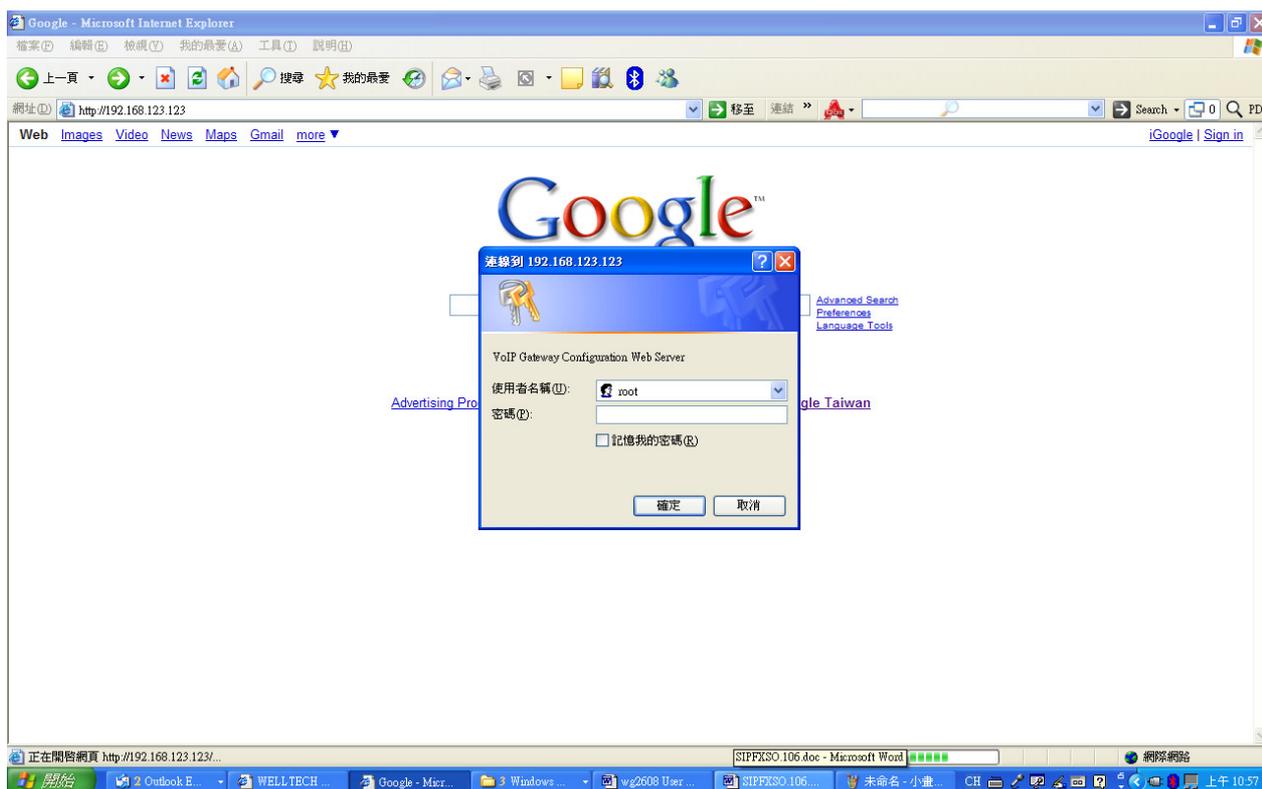
3.1 Configuration

Login to the Dynamix DW 26XX web configuration menu

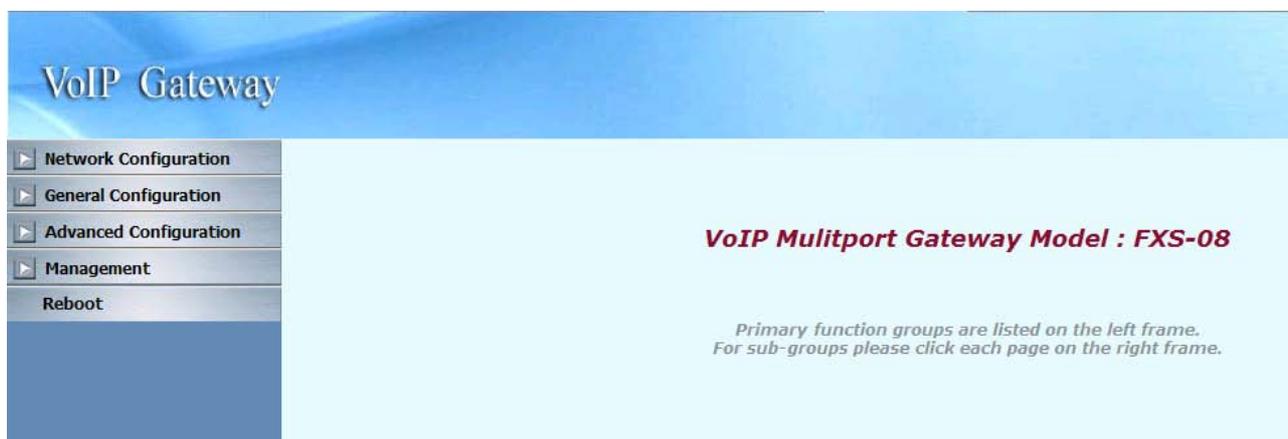
1. Open your WEB browser and key in the default IP address of the gateway (**http://192.168.123.123**) in the Address box (see figure below).



3. You will see a pop-up window requesting username and password before you can login to the web configuration menu. Username is "root" while password is "root"(see figure below).



2. You will enter the main page of the web configuration interface after you keyed in the username and password correctly (see figure below).



VoIP Gateway

- ▶ Network Configuration
- ▶ General Configuration
- ▶ Advanced Configuration
- ▶ Management
- Reboot

VoIP Multitport Gateway Model : FXO-08

*Primary function groups are listed on the left frame.
For sub-groups please click each page on the right frame.*

VoIP Gateway

- ▶ Network Configuration
- ▶ General Configuration
- ▶ Advanced Configuration
- ▶ Management
- Reboot

**VoIP Multitport Gateway Model : FXS-04
FXO-04**

*Primary function groups are listed on the left frame.
For sub-groups please click each page on the right frame.*

3.2 Network Configuration

The following instructions will explain the configurations for setting up the WAN port of the 26xx. There are in total three methods of connections: Static IP, DHCP and PPPoE.

Note: You can retrieve the IP address of the WAN port by keying **#126** on the phone set that is connected to the FXS port of the gateway. You will hear an IVR announcing the current IP address of the WAN port.

3.2.1 WAN Setting

The screenshot displays the 'VoIP Gateway' configuration interface. On the left, a navigation menu includes 'Network Configuration', 'WAN Setting', 'LAN Setting', 'General Configuration', 'Advanced Configuration', 'Management', and 'Reboot'. The 'WAN Setting' section is active and highlighted with a red circle. Within this section, the 'Connection mode' dropdown menu is also highlighted with a red circle, showing options: 'Static IP', 'DHCP', and 'PPPoE'. The 'Static IP' option is selected. Below the main settings, there is a 'Static IP' sub-section with the following fields:

Static IP	
IP address	10.1.1.3
Subnet mask	255.255.0.0
Default gateway	10.1.1.254

An 'Apply' button is located at the bottom right of the configuration area.

The table shown below describes the configuration items for 3 connection types of network (Static IP, DHCP and PPPoE).

VoIP Gateway

Network Configuration

- WAN Setting
- LAN Setting

General Configuration

Advanced Configuration

Management

Reboot

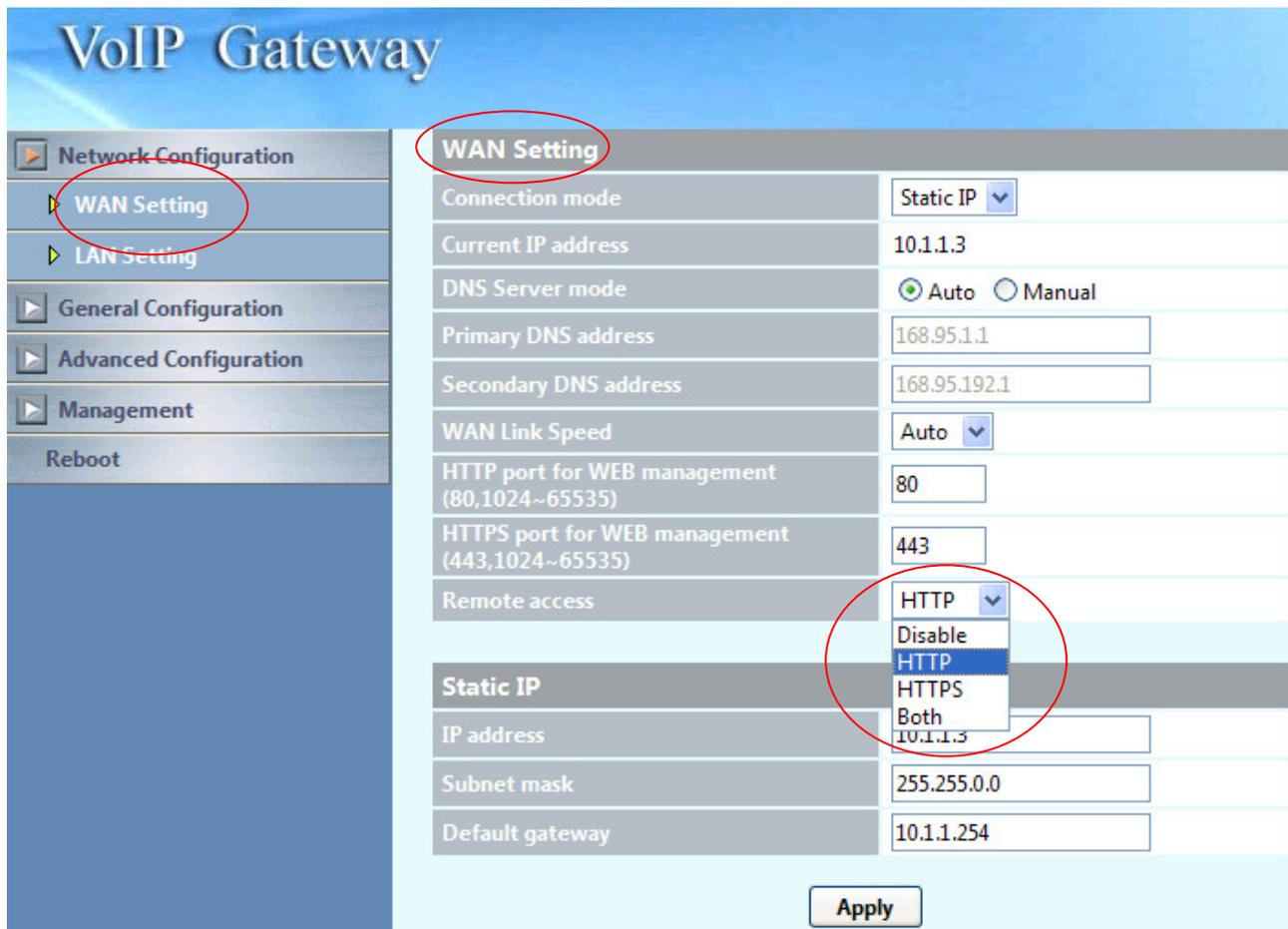
WAN Setting

Connection mode	Static IP
Current IP address	10.1.1.3
DNS Server mode	<input checked="" type="radio"/> Auto <input type="radio"/> Manual
Primary DNS address	168.95.1.1
Secondary DNS address	168.95.192.1
WAN Link Speed	Auto
HTTP port for WEB management (80,1024~65535)	80
HTTPS port for WEB management (443,1024~65535)	443
Remote access	HTTP

Static IP

IP address	10.1.1.3
Subnet mask	255.255.0.0
Default gateway	10.1.1.254

Apply



WAN Setting

Item	Description	Static IP	DHCP	PPPoE
Connected mode	Select the connection method for the WAN port of the 26xx, you can choose the following: <ul style="list-style-type: none"> ● Static IP ● DHCP ● PPPoE 	V	V	V
Current IP Address	Show current IP address	V	V	V
DNS server mode	Select the DNS behavior, you can choose the following: <ul style="list-style-type: none"> ● Auto ● Manual “DNS auto” will retrieve the DNS information sent from the DHCP server. “Manual” will look at the specified Primary and Secondary DNS address.	V	V	V
Primary DNS address	Specify the address of the Primary DNS.	V	V	V
Secondary DNS address	Specify the address of the Secondary DNS.	V	V	V
WAN Link Speed	Select the connection speed for the WAN port of the 26xx, you can choose the following: <ul style="list-style-type: none"> ● Auto ● 100M ● 10M 	V	V	V
HTTP port for WEB management	Specify the port number for WEB management, the allowable range is 80, 1024~65535.	V	V	V
Remote Access	Web access for WAN port: Disable: no any web access is allowed http: http access only https: https access only	V	V	V

	both: http and https access are allowed			
HTTPS port for WEB management	The http SSL port (the default is 443), 1024~65535.	V	V	V
IP address	Specify the IP address.	V		
Subnet mask	Specify the subnet mask.	V		

WAN Setting

Item	Description	Static IP	DHCP	PPPoE
Default gateway	Specify the IP address of the default gateway.	V		
Remote access restriction	Restricts/Blocks users connecting to the WAN port's IP remotely, you can Enable/Disable this option.	V	V	V
PPPoE userID	Specify the username of the PPPoE account			V
PPPoE password	Specify the password associated to the PPPoE account above.			V
Reboot after remote host disconnection	When the remote host (PPPoE) fails, the gateway will retry 3 times to reconnect, if there is no reply from the remote host within 3 tries, then the gateway will reboot. You can Enable/Disable this option.			V

3.2.1.1 WAN Setting --Static IP

VoIP Gateway

Network Configuration

- WAN Setting
- LAN Setting
- General Configuration
- Advanced Configuration
- Management
- Reboot

WAN Setting

Connection mode	Static IP
Current IP address	10.1.1.3
DNS Server mode	<input checked="" type="radio"/> Auto <input type="radio"/> Manual
Primary DNS address	168.95.1.1
Secondary DNS address	168.95.192.1
WAN Link Speed	Auto
HTTP port for WEB management (80,1024~65535)	80
HTTPS port for WEB management (443,1024~65535)	443
Remote access	HTTP

Static IP

IP address	10.1.1.3
Subnet mask	255.255.0.0
Default gateway	10.1.1.254

Apply

1. Press the **"Apply"** button (at the bottom) after you finish to save changes.

VoIP Gateway

Network Configuration

- WAN Setting
- LAN Setting
- General Configuration
- Advanced Configuration
- Management
- Reboot

Reboot

It will take some time to reboot. Please reload web page after that.

Note: Please remember your network setting before Reboot.

Reboot

2. Press the **"Reboot"** button to apply the changes.

3.2.1.2 WAN Setting --DHCP

VoIP Gateway

Network Configuration

- WAN Setting
- LAN Setting

General Configuration

Advanced Configuration

Management

Reboot

WAN Setting	
Connection mode	DHCP
Current IP address	10.1.1.3
DNS Server mode	<input checked="" type="radio"/> Auto <input type="radio"/> Manual
Primary DNS address	168.95.1.1
Secondary DNS address	168.95.192.1
WAN Link Speed	Auto
HTTP port for WEB management (80,1024~65535)	80
HTTPS port for WEB management (443,1024~65535)	443
Remote access	HTTP

Apply

1. Press the **"Apply"** button (at the bottom) after you finish to save changes.
2. Press the **"Reboot"** button to apply the changes.

P.S. When you are using DHCP in WAN and WAN's Ethernet cable are not connected, you will not able to access Dynamix by using WAN port if you don't know the DHCP IP address. In this case, please connect to LAN port and access it.

3.2.1.3 WAN Setting --PPPoE

VoIP Gateway

Network Configuration

- WAN Setting
- LAN Setting
- General Configuration
- Advanced Configuration
- Management
- Reboot

WAN Setting

Connection mode	PPPoE
Current IP address	10.1.1.3
DNS Server mode	<input checked="" type="radio"/> Auto <input type="radio"/> Manual
Primary DNS address	168.95.1.1
Secondary DNS address	168.95.192.1
WAN Link Speed	Auto
HTTP port for WEB management (80,1024~65535)	80
HTTPS port for WEB management (443,1024~65535)	443
Remote access	HTTP

PPPoE Configuration

PPPoE userID	pppoe
PPPoE password	•••••
Mtu	1492

Apply **Cancel**

1. Input PPPoE user ID and password
2. Press the **"Apply"** button (at the bottom) after you finish to save changes.
3. Press the **"CANCEL"** button (next to the Apply button) to clear the values in the page.
4. Press the **"Reboot"** button to apply the changes.

3.2.2. LAN Setting

VoIP Gateway

Network Configuration

- WAN Setting
- LAN Setting**
- General Configuration
- Advanced Configuration
- Management
- Reboot

LAN Setting

LAN Mode: Bridge NAT

LAN IP address: 192.168.123.123

LAN mask address: 255.255.255.0

DHCP server: Enable Disable

IP address from: 192.168.123.1

IP address to: 192.168.123.100

Domain Name: voip

Lease Time(sec): 86400

DNS Server mode: Auto Manual

Primary DNS address: 192.168.19.150

Secondary DNS address: 192.168.19.150

Apply

LAN Setting

ITEM	Description
LAN IP address	Specify the IP address of the 26XX LAN port.
LAN mask address	Specify the mask address for 26XX LAN port.
DHCP server	Enable/Disable DHCP function on the LAN port. Once enabled, the LAN ports will function as a DHCP server, network devices connected to them will be issued with IP addresses.
IP address from	When DHCP is enabled, you can specify the IP address to start from when assigning to attach network devices.
IP address to	When DHCP is enabled, you can specify the ending IP address assigned to the attached network devices.

LAN Setting

ITEM	Description
Domain Name	You can specify the domain name that will be assigned by the DHCP server to the attached network devices. The DHCP server will send information on the "server host name" to the DHCP client.
Lease time(sec)	You can specify the maximum lease time of the IP address allocated to the DHCP client.
DNS server mode	Select the DNS behavior, you can choose the following: <ul style="list-style-type: none"> ● Auto ● Manual "DNS auto" will retrieve the DNS information sent from the DHCP server. "Manual" will look at the specified Primary and Secondary DNS address.
Primary DNS address	Specify the address of the Primary DNS.
Secondary DNS address	Specify the address of the Secondary DNS.

1. Press the **"Apply"** button (at the bottom) after you finish to save changes.
2. Press the **"Reboot"** button to apply the changes.

3.3 General configuration

To make VoIP calls, you will need a SIP account provided by the SIP Proxy you are registered with. To configure the relevant SIP settings, please refer to the instructions explained below.

3.3.1 PABX Mode (Dynamix DW 2644 only)

This quick setting is dedicated to be used for Dynamix DW 2644 to become a inter-connection in between PSTN and traditional PABX. The call scenario will be working as below:

1. For FXO incoming call, it will route to corresponding FXS directly (1 by 1)
2. For FXS outgoing call, it will route to VOIP except those prefix set in FXO dialing Prefix.
3. For VOIP incoming call, it will route to FXS based on the called number
4. When VOIP call is failed to be called out such as register fail or network issue, the call will be route to FXO as backup.
5. When Dynamix DW 26xx is malfunction or power failure, the all call will be directly bypassed to FXO.

VoIP Gateway

Network Configuration | **PABX Mode** | Enable | Disable

General Configuration

PABX Connection

SIP Setting

Proxy Redundant Mode: **Disable**

	Enable	IP Address	Port	Domain Name	Expire Time(sec)	MWI TTL(sec)
Primary proxy	<input checked="" type="checkbox"/>	10.1.1.2	5060		120	0
Outbound proxy	<input type="checkbox"/>		5060			

SIP Trunk Configuration

Enable	Reg	Number	Account	Password	Display Name
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1008	1008	****	1008

Forward

Forward	Forward Number	Ring Type	Serial Ring Time	Status
Disable		Serial ring	20 (Sec)	No/ No

Port Hunting

Priority	Line Number	1	2	3	4
Line2	1001	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line4	1003	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line6	1005	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line8	1007	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

FXS SIP Setting

FXS Line	Register	Number	Account	Password	Display Name	Status
Line2	<input checked="" type="checkbox"/>	1001	1001	****	1001	Idle
Line4	<input checked="" type="checkbox"/>	1003	1003	****	1003	Idle
Line6	<input checked="" type="checkbox"/>	1005	1005	****	1005	Idle
Line8	<input checked="" type="checkbox"/>	1007	1007	****	1007	Idle

Apply

PABX Connection	To enable PABX behavior or not.
SIP Setting	Please refer to 3.3.2.1
SIP Trunk Configuration	It is used when you only have a SIP account to be shared for FXS lines. Please refer to 3.3.2.1
Primary FXS SIP settings	When you have multiple SIP accounts for each FXS line, please set SIP Trunk Number Only to No. Then refer to 3.3.2.1 for the detail
FXS SIP Setting	FXS line SIP account settings
Port Hunting	Select the group of SIP Trunk number, and specify the priority. Only the checked line will become the member of the SIP Trunk number. The default setting L1~L2 is grouped.

3.3.2.1 SIP Setting

VoIP Gateway

Network Configuration

General Configuration

- PABX Connection
- SIP Setting**
- SIP Advanced Setting
- Payload Type Setting
- Line Setting
- QoS Setting
- Speed Dial Setting
- Caller ID Setting
- CDR Setting
- Syslog Setting

Advanced Configuration

Management

- Reboot

Proxy Setting

Proxy Redundant Mode: (Dropdown menu: Act-Act, Disable, Act-Backup)

	Address	Port	Domain Name	Expire Time (sec)	MWI TTL (sec)
Primary proxy	<input type="text"/>	5060	<input type="text"/>	120	0
Outbound proxy	<input type="text"/>	5060	<input type="text"/>	<input type="text"/>	<input type="text"/>
Secondary proxy	<input type="text"/>	5060	<input type="text"/>	120	0
Secondary Outbound proxy	<input type="text"/>	5060	<input type="text"/>	<input type="text"/>	<input type="text"/>

SIP Trunk Configuration

Enable	Register	Number	Account	Password	Display Name
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1008	1008	••••	1008

Forward	Forward Number	Ring Type	Serial Ring Time	Status
Disable	<input type="text"/>	Serial ring	20 (Sec)	No/ No

Port Hunting

Priority	Line Number	1	2	3	4
Line2	1001	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line4	1003	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line6	1005	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line8	1007	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Proxy Redundant Mode

Disable: only register to primary proxy.

Act-Act: register to primary proxy and secondary proxy simultaneously. The call routing will use primary proxy as the default outbound proxy and only use secondary proxy when the primary one is not registered. The incoming call for both proxy are accepted.

Act-Backup: At first, Dynamix will register to primary proxy. If it is failed to register to the primary proxy, it will stop the trying and use secondary proxy to register. It will try alternative proxy when the last one is failed. There

	is only 1 proxy registered at the same time. And once it is registered, it will stop truing.
Primary proxy	Specify the data of primary proxy: Enable/Disable, IP address, Port#, Domain Name, Expire time and MWI TTL.
Secondary proxy	Specify the data of secondary proxy: Enable/Disable, IP address, Port#, Domain Name, Expire time and MWI TTL. When you enable secondary proxy, it will start to register no matter whether primary proxy is registered or not. However, it will be used only when primary proxy is not registered or the incoming call is coming from it.
Outbound proxy	Specify the data of Outbound proxy: Enable/Disable, IP address and Port#.
Secondary Outbound proxy	Specify the data of Outbound proxy for secondary proxy: Enable/Disable, IP address and Port#.
SIP Trunk Number	The SIP trunk is working for the selected FXS line (for all FXS or FXO/FXS combination model) or FXO line (for all FXO model). When an incoming call is send to the SIP trunk number, the selected FXS or FXO port will be hunted.
Enable	Enable the Line, the default setting is "Enable" and it will Register or Unregister to SIP Proxy
Account	Input the SIP Proxy registration account ID.
Number	Input the phone number.
Password	Input the password of IP Proxy registration account ID.

Display name	Specify the Display name of the phone number
Forward	Specify the Representative forwarding type to be used, only choose busy
Forward Number	Specify the number to be forwarded when the specified forward condition is met.
Ring Type	Select the Ring Type of representative number. You can choose the following: <ul style="list-style-type: none"> ● Serial ring (Follow the ring priority defined below) ● Simultaneous(ring all)
Ring Time (s) for Serial ring	Specify the Ring Time for Serial ring
Status	Displays the registration status, whether it is registered or not.
Port Hunting	Select the group of sip trunk number, and specify the priority. Only the checked line will become the member of the sip trunk number. The default setting L1~L2 is grouped.

1. Enter the IP address and port number of the SIP proxy into the Primary proxy address and Port fields. Press the **"Apply"** button to save changes.
2. Press the **"Reboot"** button to apply the changes.

3.3.3 SIP Advanced Setting

The screenshot shows the 'VoIP Gateway' configuration interface. On the left is a navigation menu with categories: Network Configuration, General Configuration, and Advanced Configuration. Under General Configuration, 'SIP Advanced Setting' is selected and circled in red. Under Advanced Configuration, 'Management' is selected and 'Reboot' is circled in red. The main area displays the 'SIP Advanced Setting' configuration page with the following fields:

Local SIP port(1~65535)	5060
Local RTP port(1~65535)	16384
Session Expire(sec)	0
Min Session Expire(sec)	0
Session Refresh Request	<input type="radio"/> UPDATE <input checked="" type="radio"/> re-INVITE
Session Refresher	<input type="radio"/> UAC <input checked="" type="radio"/> UAS
Unregister All	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
RFC3325 Support	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
Support Message Waiting Indication (MWI)	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
SIP Message Resend Timer Base T1 (sec)	1
Max. Response Time for Invite(1~30sec)	5
SIP/RTP Encrypt	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
SIP Session Keep Mode	Disable
NAT Traversal Setting	Disable
Generate Tone for 100 Trying	Disable

An 'Apply' button is located at the bottom right of the configuration area and is circled in red.

Local SIP port(1~65535)	Specify the local starting SIP port. Each account's interval is 2. For example, the local SIP port is set to 5060. The following is the port number to be used for 26xx: Port 1: 5060 Port 2: 5062 Port 3: 5064 Port 4: 5066 Port 5: 5068 Port 6: 5070 Port 7: 5072 Port 8: 5074 SIP Trunk Number: 5076
Local RTP port(1~65535)	Specify the local starting RTP port number.
Session Expire(Sec)	Specify the session expire time that will be used to negotiate with the

	remote host or proxy.
Min Session Expire(Sec)	Specify the minimum session expire time that other host or proxy will need to follow when calling the WELLGATE 26XX.
Session Refresh Request	Select the session refresh method that will be used on the WELLGATE 26XX, you can choose among the two methods: <ul style="list-style-type: none"> ● UPDATE ● Re-Invite
Session Refresher	Select who will perform the refreshes, you can choose among the two methods: <ul style="list-style-type: none"> ● UAC (Client) ● UAS (Server) This will add the parameter refresher=uac or uas in the Session Refresh Request message.
Unregister All	Send SIP unregister signaling message after the 26xx has been restarted
RFC 3325 support	Enable RFC 3325 for anonymous calling or not. When it is enabled, Dynamix will follow RFC 3325 to send the required header. Or the display name and user ID will be changed to "anonymous" when RFC3325 is disabled.
Support Message Waiting Indication (MWI)	You can Enable or Disable the MWI function.(This feature is for FXS only)
SIP Message Resend Timer Base T1 (sec)	Specify the resend time in seconds for each SIP request message that has not received a response.
Max. Response Time for Invite (1~30sec)	Specify the timeout period for SIP Invite messages. For example, if the timeout period is 10 seconds, when the 26xx sends an Invite message and

	does not receive a response within 10 seconds, it will cancel the call.
SIP/RTP Encrypt	Enable Welltech proprietary encryption for SIP signaling and RTP or not. It is required a Welltech SIP proxy server (WS6500 or SIPPBX 6200) to work with this feature. When enable it, you can hide your VOIP traffic from ISP's monitor.
SIP session keep mode	Select the following NAT SIP session keeping method. <ul style="list-style-type: none"> ● Disable ● Empty packet (0x0D and 0x0A will be send) ● SIP Options (send SIP option) ● SIP Register (send SIP register message) ● SIP Ping (send Nortel SIPping)
SIP session keep interval (sec)	The interval to send the SIP session keep message out. The method was defined in "SIP session keep mode".
NAT traversal setting	Support through NAT methods <ul style="list-style-type: none"> ● Disable ● IP Sharing: Use DMZ to map the private Dynamix IP address to a public one. You need to do the DMZ on IP sharing box. ● STUN: Use STUN to do NAT transversal. This method can only work for NAT type 1 and 2.
NAT device IP address	The DMZ IP address used for IP sharing NAT transversal mode.
STUN server	The STUN server IP address
STUN port	The STUN port (default is 3478)
Generate tone for 100 trying	Whether to generate tone when receive the SIP message 100 trying or not. You can specified to generate the defined ring back tone or a custom

	tone to be played.
Custom Tone	Please refer to Tone Settings for the detail of custom tone for 100 trying.

1. Press the "**Apply**" button (at the bottom) after you finish to save changes.
2. Press the "**Reboot**" button to apply the changes.

3.3.4 Payload Type Setting

The screenshot shows the VoIP Gateway configuration interface. The left sidebar contains the following menu items: Network Configuration, General Configuration (expanded), PABX Connection, SIP Setting, SIP Advanced Setting (circled in red), Payload Type Setting, Line Setting, QoS Setting, Speed Dial Setting, Caller ID Setting, CDR Setting, Syslog Setting, Advanced Configuration, Management, and Reboot (circled in red). The main content area is titled 'Payload Type Setting' (circled in red) and contains three rows of settings:

Payload Type Setting	
RFC2833 payload type	<input type="text" value="96"/>
FAX bypass payload type	<input type="text" value="102"/>
Modem bypass payload type	<input type="text" value="103"/>

At the bottom right of the main content area, there is an 'Apply' button (circled in red).

RFC2833 payload type	Specify the RFC2833 payload type (range is 96~128, however 100, 102~105 is reserved by other payload types).
FAX bypass payload type	Specify the FAX payload type (range is 96~128, however 100, 102~105 is reserved by other payload types)
Modem by pass payload type	Specify the Modem by pass payload type (range is 96~128, default value is 103. 100, 102, 104, 105 is reserved by other payload types).

1. Press the **"Apply"** button (at the bottom) after you finish to save changes.
2. Press the **"Reboot"** button to apply the changes.

3.3.5 Line Setting

VoIP Gateway

- Network Configuration
- General Configuration
 - PABX Connection
 - SIP Setting
 - SIP Advanced Setting
 - Payload Type Setting
 - Line Setting**
 - QoS Setting
 - Speed Dial Setting
 - Caller ID Setting
 - CDR Setting
 - Syslog Setting
- Advanced Configuration
- Management
 - Reboot

Line Setting

Global Setting

No Answer Forward Time: 180

FAX: Enable Disable

Line	TYPE	Enable	Reg	Number	Hotline	Wait to Hotline (sec)	Forward	Call Waiting	DND	Greeting	Anonymous
Line 1	FXO	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number: 1000 Account: 1000 Password: ●●●● Display Name: 1000	<input type="checkbox"/>	0				<input type="checkbox"/>	<input type="checkbox"/>
Line 2	FXS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number: 1001 Account: 1001 Password: ●●●● Display Name: 1001	<input type="checkbox"/>	0	Disable	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Line 3	FXO	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number: 1002 Account: 1002 Password: ●●●● Display Name: 1002	<input type="checkbox"/>	0				<input type="checkbox"/>	<input type="checkbox"/>
Line 4	FXS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number: 1003 Account: 1003 Password: ●●●● Display Name: 1003	<input type="checkbox"/>	0	Disable	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>

VoIP Gateway

- Network Configuration
- General Configuration
 - PABX Connection
 - SIP Setting
 - SIP Advanced Setting
 - Payload Type Setting
 - Line Setting**
 - QoS Setting
 - Speed Dial Setting
 - Caller ID Setting
 - CDR Setting
 - Syslog Setting
- Advanced Configuration
- Management
 - Reboot**

Line 4	FXS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Display Name: 1002 Number: 1003 Account: 1003 Password: ●●●● Display Name: 1003	<input type="checkbox"/>	0	Disable	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Line 5	FXO	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number: 1004 Account: 1004 Password: ●●●● Display Name: 1004	<input type="checkbox"/>	0				<input type="checkbox"/>	<input type="checkbox"/>
Line 6	FXS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number: 1005 Account: 1005 Password: ●●●● Display Name: 1005	<input type="checkbox"/>	0	Disable	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Line 7	FXO	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number: 1006 Account: 1006 Password: ●●●● Display Name: 1006	<input type="checkbox"/>	0				<input type="checkbox"/>	<input type="checkbox"/>
Line 8	FXS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Number: 1007 Account: 1007 Password: ●●●● Display Name: 1007	<input type="checkbox"/>	0	Disable	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>

Apply

No Answer Forward Time (FXS only)	If you enable the No Answer Forward function (Representative number or L1~L8 number), please specify the time of no answer. The default setting is 180 sec.
FAX	Enable/Disable FAX T.38 function.
Line1~Line8 relevant data	
Type	Displays the port type of that particular line.
Enable	Enable the line or not
Reg	Register or Unregister to SIP Proxy
Number	Displays the line numbers that specified in SIP Setting. Account: Input the SIP Proxy registration account ID. Number: Input the phone number. Password: Input the password of IP Proxy registration account ID. Display name: Specify the Display name of the phone number. The first is the number registers to Primary proxy. The default setting is 1000~1007.
Enable Hotline	Click the check box to enable hotline feature. If enabled, The check box will display as <input checked="" type="checkbox"/> .
Hotline Number	Specify the number to forward the call to when the Hotline feature is enabled.
Wait to Hotline(sec)	Specify the time (sec) for wait to hotline, the default value is 0.
Forward Type (FXS only)	Specify the forwarding type to use, you can choose the following: <ul style="list-style-type: none"> ● Disable ● Unconditional ● Busy ● No Answer

	<ul style="list-style-type: none"> ● Busy and No Answer <p>The "Disable" option will allow you to disable this particular function.</p>
Forward Number	Specify the number to forward the call to when the call forwarding feature is enabled.
Call Waiting (FXS only)	Enable/Disable per-line Call Waiting function.
DND (FXS only)	Enable/Disable per-line DND (Do Not Disturb) function.
Greeting (FXO only)	Enable/Disable Greeting for FXO
Anonymous (FXS only)	<p>When this feature is Enabled, the calling number (ANI) will be hided. The hiding method depends on the setting of "rfc3325 support".</p> <p>(Please make sure your proxy server or soft switch supports the feature, if the proxy does not support it and you enable this feature, all IP outgoing calls will be dropped.)</p>

1. Press the "**Apply**" button (at the bottom) after you finish to save changes.
2. Press the "**Reboot**" button to apply the changes.

3.3.6 Qos Setting

The screenshot shows the 'VoIP Gateway' configuration page. The left sidebar has 'QoS Setting' selected. The main configuration area is titled 'General Configuration' and includes a 'Type' dropdown set to 'DSCP'. Below this is the 'Differentiated Services Code Point Setting' section with 'DSCP RTP' and 'DSCP Signal' dropdowns, both set to '0 (Best Effort, BE)'. The 'ToS Setting' section has 'ToS RTP' and 'ToS Signal' dropdowns, both set to '000 (0) - Routine'. An 'Apply' button is located at the bottom of the configuration area.

Type	Select Qos Type: DSCP or ToS
Differentiated Services Code Point Setting (DSCP)	
DSCP RTP	Select the DSCP value for RTP (voice packets), the value in the drop down list is expressed in binary format, you can choose to meet your network environment.
DSCP Signal	Select the DSCP value for SIP message, the value in the drop down list is expressed in binary format, you can choose to meet your network environment.
ToS Setting	
ToS RTP	Select the ToS value for RTP (voice packets), the value in the drop down list is expressed in binary format, you can choose to meet your network environment.
ToS Signal	Select the ToS value for SIP messages, the value in the drop down list is expressed in binary format, you can

	choose to meet your network environment.
--	--

1. Press the **“Apply”** button (at the bottom) after you finish to save changes.
2. Press the **“Reboot”** button to apply the changes.

3.3.7 Speed Dial Setting

VoIP Gateway

Network Configuration
 General Configuration
 ▶ SIP Setting
 ▶ SIP Advanced Setting
 ▶ Payload Type Setting
 ▶ Line Setting
 ▶ QoS Setting
 ▶ **Speed Dial Setting**
 ▶ Caller ID Setting
 ▶ CDR Setting
 ▶ Syslog Setting
 Advanced Configuration
 Management
 Reboot

Speed Dial Editor

Speed Dial Number	Telephone Number	Name	
<input type="text"/>	<input type="text"/>	<input type="text"/>	Add

Speed Dial

Index	Speed Dial Number	Telephone Number	Name	
1	1	0702069888	songyo	Del

Speed Dial Editor

Specify the speed Dial Number/Telephone Number/Name, then press the Add or Del button to add or delete record

3.3.8 Caller ID Setting

The screenshot displays the 'VoIP Gateway' configuration interface. On the left is a navigation menu with categories: Network Configuration, General Configuration (containing PABX Connection, SIP Setting, SIP Advanced Setting, Payload Type Setting, Line Setting, QoS Setting, Speed Dial Setting, Caller ID Setting, CDR Setting, and Syslog Setting), Advanced Configuration, Management, and Reboot. The 'Caller ID Setting' page is active, showing a table for lines 1 through 8. Line 1 is set to 'Enable' and has an 'Auto' button. Lines 2 through 8 are set to 'Disable'. A dropdown menu is open for Line 3, showing options: Disable, DTMF, FSK(Bellcore), ETSI(Before Ring), and ETSI(Between Ring). Below the table is a 'DTMF Setting' section with 'DTMF Caller ID Start Symbol' set to 'D' and 'DTMF Caller ID End Symbol' set to 'C'. An 'Apply' button is located at the bottom of the configuration area.

Caller ID Setting (Line 1~Line 8)

Select the (Line 1~Line 8) Caller ID generation type to use, you can choose the following:

- Disable
- DTMF
- FSK(Bellcore)
- ETSI(Before Ring)
- ETSI(Between ring)

FXO only choose Enable/Disable the caller ID detection

AUTO: You can choose different caller ID type by line. If Line1~Line 8 uses the same type, you only need to set line 1 and click the "Auto" button, then the other lines will set the same type

	automatically. The "Disable" option will allow you to disable this particular function.
DTMF Caller ID Start Symbol	Specify the DTMF Caller ID Start Symbol The default symbol is D.
DTMF Caller ID End Symbol	Specify the DTMF Caller ID End Symbol The default symbol is C.

1. Press the "**Apply**" button (at the bottom) after you finish to save changes.
2. Press the "**Reboot**" button to apply the changes.

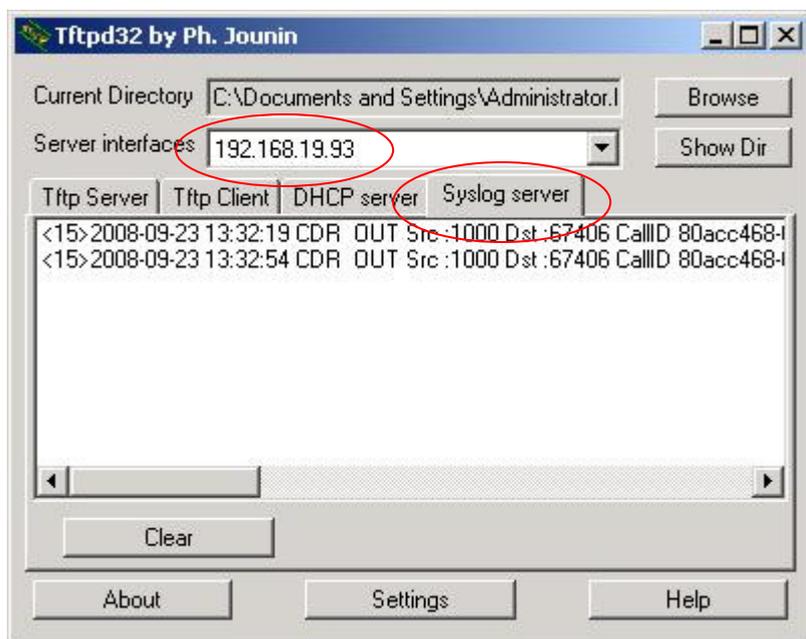
3.3.9 CDR Setting

The screenshot shows the 'VoIP Gateway' configuration interface. The left sidebar contains a menu with the following items: Network Configuration, General Configuration (expanded), SIP Setting, SIP Advanced Setting, Payload Type Setting, Line Setting, QoS Setting, Speed Dial Setting, Caller ID Setting, CDR Setting (selected), Syslog Setting, Advanced Configuration, Management, and Reboot. The main content area displays the 'CDR Setting' configuration form. The form includes three fields: 'CDR mode' with radio buttons for 'Enable' (selected) and 'Disable'; 'CDR server address' with a text box containing '192.168.19.93'; and 'CDR server port' with a text box containing '514'. An 'Apply' button is located below the fields. The 'Reboot' button is located at the bottom of the sidebar menu.

CDR mode	Select the CDR mode for Enable or Disable . If you Enable this feature, please specify the CDR Server address and port number at the CDR server address and port's text box, then you can get Call Detail Data form CDR Server.
CDR Server address	If you Enable the CDR mode, please specify the IP address of CDR Sever for data storage.
CDR Server port	Specify the CDR Server port number, The default port number is 514.

1. Press the **"Apply"** button (at the bottom) after you finish to save changes.
2. Press the **"Reboot"** button to apply the changes.

P.S. To receive the SYSLOG CDR, you need to have a syslogd server to collect the CDR from Dynamix 26xx. The following is a tool you can be used for testing purpose which can be downloaded from <http://tftpd32.jounin.net/>. You need to enable syslog server from settings before you can use it.



3.3.10 Syslog Setting

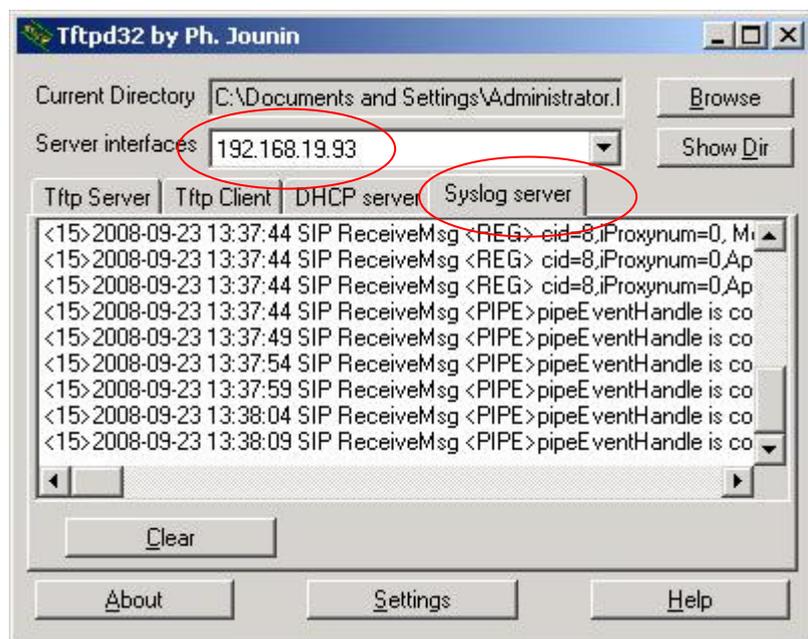
This syslog is used to send the debug log from Dynamix DW 26xx to syslog server.

The screenshot shows the 'VoIP Gateway' configuration interface. On the left is a navigation menu with the following items: Network Configuration, General Configuration, SIP Setting, SIP Advanced Setting, Payload Type Setting, Line Setting, QoS Setting, Speed Dial Setting, Caller ID Setting, CDR Setting, Syslog Setting (circled in red), Advanced Configuration, Management, and Reboot (circled in red). The main content area is titled 'Syslog Setting' and contains three input fields: 'Syslog mode' with a dropdown menu set to 'SIP message', 'Syslog server address' with the text '192.168.19.93', and 'Syslog server port' with the text '514'. An 'Apply' button is located below these fields. Red circles highlight the 'Syslog mode' dropdown, the 'Syslog server address' text box, the 'Syslog server port' text box, the 'Apply' button, the 'Syslog Setting' menu item, and the 'Reboot' button.

Syslog mode	Select the Syslog mode for Enable or Disable . If you Enable this feature, please specify the Syslog Server address and port number at the Syslog server address and port's text box, then you can get detail system log from Syslog server.
Syslog Server address	If you Enable the Syslog mode, please specify the IP address of Syslog Sever for data storage.
Syslog Server port	Specify the Syslog Server port number, The default port number is 514.

1. Press the **"Apply"** button (at the bottom) after you finish to save changes.
2. Press the **"Reboot"** button to apply the changes.

P.S: To receive the SYSLOG debug information, you need to have a syslogd server to collect the debug information from Dynamix DW 26xx . The following is a tool you can be used for testing purpose which can be downloaded from <http://tftpd32.jounin.net/>. You need to enable syslog server from settings before you can use it.



3.4 Advanced Configuration

3.4.1 System setting

The screenshot shows the 'VoIP Gateway' configuration interface. The left sidebar contains a tree view with 'Advanced Configuration' expanded to 'System Setting'. The 'prack' setting is highlighted. The main content area shows various system settings, including 'prack', 'ROH', 'Send billing signal', 'IP Address announcement', 'T.38 NoAttribute', 'FAX redundancy depth', 'T.38 FAX Type', 'T.30 FAXByPass Codec', 'Flash key function', 'Keypad DTMF type', 'End of dial key', 'DTMF Detection Sensitivity', 'Dial Wait Timeout (1-60sec)', 'Inter Digits Timeout (1-5sec)', 'FAXByPass Keyword', 'Built-in Call Hold Music', 'DTMF Duration', 'DTMF Interdigit Time', 'Ring Time Limit (10-600sec)', 'Disconnect Signal Detection', 'Disconnect Signal Generation', 'Network Connection Detection', and 'FXO Answer after Ring Count'. The 'Apply' button is located at the bottom right.

prack	PRACK is defined in RFC 3262: Reliability of Provisional Responses in SIP. You can accommodate your softswitch (Proxy Server) to Enable or Disable this feature.
ROH (FXS only)	Receiver-Off-Hook (ROH) Tone A ROH tone is sent to the subscriber to inform him that his receiver is off-hook. You can Enable/Disable this option.
Send billing signal (FXS only)	Enable Polarity Reversal for FXS as billing signal or not. When a FXS calls to VOIP and answered by the VOIP, 26xx will generate reverse signal to FXS as billing start. When VOIP side disconnect first, 26xx will reverse back as billing stop signal.
T.38 NoAttribute	No attribute (Fax version, Bit Rate, Buffer, Datagram...) indicated in T.38 Re-Invite with Session Description

	Protocol (SDP). You can Enable/Disable this option.
FAX redundancy depth	Specify the resend times (0~3)for FAX error packet,
T.38 FAX Type	Select the FAX Type to use, you can choose the following: <ul style="list-style-type: none"> • T.38 • ByPass • Auto
T.30 FAXByPass Codec	Select the FAX ByPass Codec to use, you can choose the following: <ul style="list-style-type: none"> • G.711 a-law • G.711 u-law
Flash key function (FXS only)	Select the function of Flash key, you can choose the following: <ul style="list-style-type: none"> • Disable • Transfer • SIP Message
Keypad DTMF type	Select the type of Keypad DTMF, you can choose the following: <ul style="list-style-type: none"> • In-Band • RFC2833 • SIP Info
End of dial key	Select the End of dial key, you can choose the following: <ul style="list-style-type: none"> • Disable • * • #
DTMF Detection Sensitivity	Specify the grade of DTMF Detection Sensitivity, the value range is (1~5)
Dial Wait Timeout (1~60sec)	Specify the duration of dial waiting when the receiver is off hook. The range is 1~60 sec.
Inter Digits Timeout (1~5sec)	Specify the interval of input digits, if the interval is over the setting, the system will end the dial and send out the DTMF. The limitation range is

	1~5sec.
FAXByPass Keyword	Some SIP Proxy need specify special keyword for FAXByPass function. Input the data as SIP Proxy required.
FAXByPass Keyword	Some SIP Proxy need specify special keyword for FAXByPass function. Input the data as SIP Proxy required.
IP Address announcement	<p>You can Enable/Disable this function, If you select Enable, you can connect T1 port with a phone set and press #120#, you will hear the announcement of IP address of LAN port, or press #126# to get WAN port IP address.</p> <p>FXO please following under step:</p> <ol style="list-style-type: none"> 1. You can get a PSTN line and connect to the L1 FXO port. 2. Use another PSTN phone to dial the PSTN number (in step 1you connected on FXO-08), you will hear a second dial tone or greeting (please dial extension number). 3. Press #126# on the phone set, and you will hear an IVR announcing the current IP address of the WAN port. 4. Press #120# on the phone set, and you will hear an IVR announcing the current IP address of the LAN port.
Built-in Call Hold Music	System built-in music of call hold, you can Enable/Disable this feature.
DTMF Duration	Specify the DTMF tone duration.
DTMF Interdigit Time	Specify the interval of DTMF digit
Ring Time Limit (10~600sec) (FXS only)	Specify the limitation of Ring time for incoming call, when the ring is over the

	limit, system will drop the call. The default range is 10~600sec.
Disconnect Singal Detction	<ul style="list-style-type: none"> ● Disable ● Polarity Reversal <p>When enable the Polarity Reversal Detection, DW 26xx (FXO) will use the polarity reversal as the answer signal and polarity normal as the hang-up signal for FXO outgoing call.</p> <ul style="list-style-type: none"> ● Loop Current Drop <p>Use line current drop as the disconnect signal or not.</p> <ul style="list-style-type: none"> ● Both <p>Enable polarity reversal and current drop simultaneously.</p>
Disconnect Singal Generation	<ul style="list-style-type: none"> ● Disable ● Polarity Reversal <p>Enabling polarity reversal, 26xx will reverse the line polarity when VOIP side is disconnected.</p> <ul style="list-style-type: none"> ● Loop Current Drop <p>This feature is used when the 26xx (FXS) are connected with answering machines. When the remote site disconnects, the system will drop FXS port's voltage to 0, and make the answering machines disconnect.</p>
Network connect detection	<ul style="list-style-type: none"> ● Disable ● Enable <p>When it is enabling, Dynamix will try to figure out the network connection status by sending ping test regularly. When ping is failed, the SIP register status will be set to "not registered".</p>
Traget address	The IP address to be used for ping.
Ping Interval	The interval to ping the target IP address

1. Press the "**Apply**" button (at the bottom) after you finish to save changes.
2. Press the "**Reboot**" button to apply the changes.

3.4.2 SNTP Setting

The screenshot shows the VoIP Gateway configuration interface. The left sidebar contains a tree view of configuration options: Network Configuration, General Configuration, and Advanced Configuration. Under Advanced Configuration, the following options are listed: System Setting, SNTP Setting (circled in red), Codec Setting, Voice Setting, Tone Setting, Phone Setting, Digit Manipulation, Dial Plan, and Call Routing. Below these is a Management section with a Reboot button (also circled in red). The main content area is titled 'SNTP Setting' (circled in red) and contains the following fields:

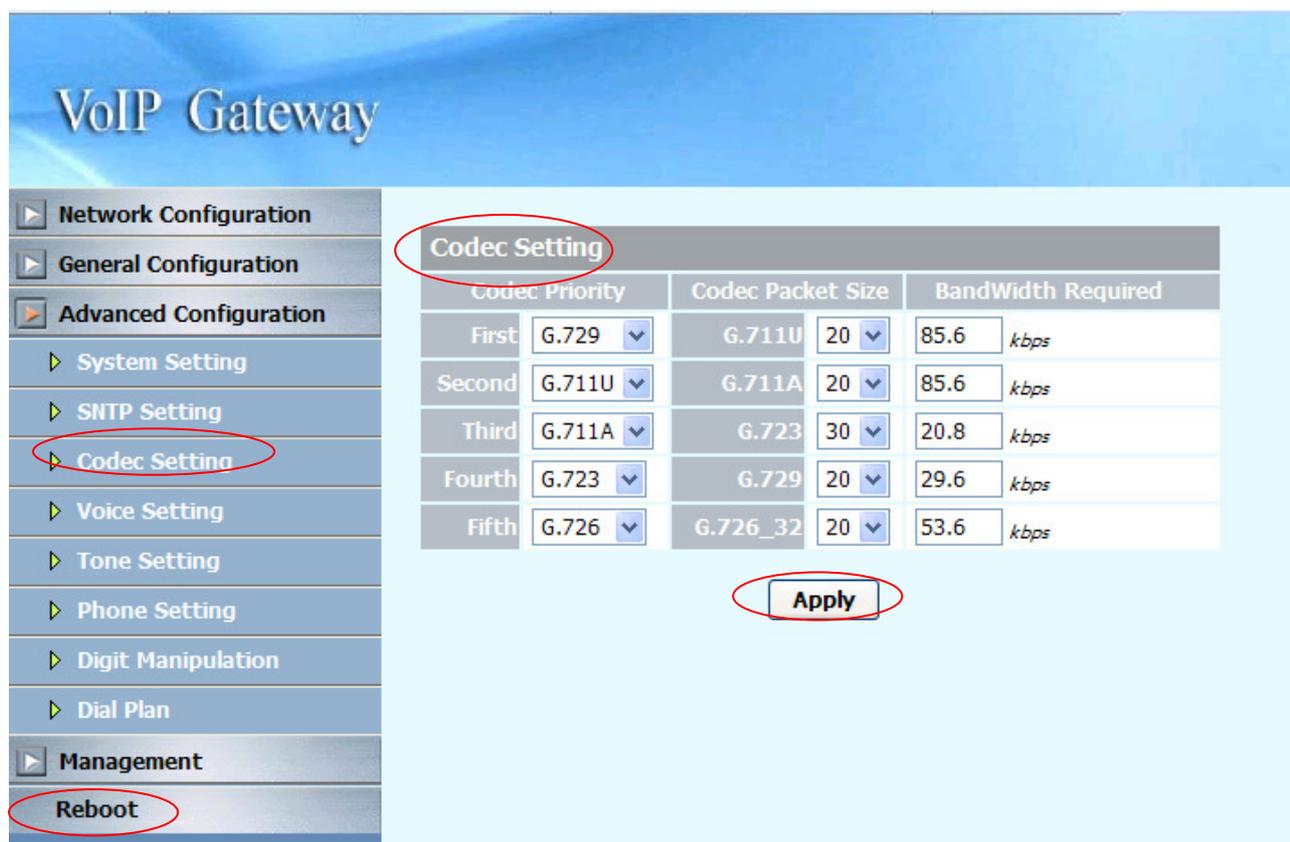
- SNTP mode: Radio buttons for ON and OFF (OFF is selected).
- SNTP server address: Text input field containing '192.168.17.168'.
- Time Zone-GMT: Dropdown menu showing 'GMT+08:00'.
- Current Time: Displayed as '1970 / 01 / 01 00 : 00 : 08'.

An 'Apply' button is located at the bottom right of the configuration area and is circled in red.

SNTP mode	Select the SNTP mode : On or Off
SNTP server address	Specify the SNTP server address for time synchronization.
Time Zone -GMT	Select the Time Zone of your location
Current Time	Display the time with year/month/date /hour/minute /second when you select the SNTP mode with "ON".

1. Press the **"Apply"** button (at the bottom) after you finish to save changes.
2. Press the **"Reboot"** button to apply the changes.

3.4.3 Codec Setting



<p>Codec Priority</p>	<p>You can specify the priority of the codec from First to Fifth (first being the highest priority and Fifth being the lowest). You can choose the following codec's:</p> <ul style="list-style-type: none"> ● G711U ● G711A ● G723 ● G729A ● G726 								
<p>Codec Packet Size</p>	<p>You can specify the packet size in the drop down list for each particular codec, you can choose the following:</p> <table border="1" data-bbox="798 1814 1420 2004"> <tbody> <tr> <td>G711U</td> <td>20,40,60</td> </tr> <tr> <td>G711A</td> <td>20,40,60</td> </tr> <tr> <td>G723</td> <td>30,60,90</td> </tr> <tr> <td>G729A</td> <td>20,40,60</td> </tr> </tbody> </table>	G711U	20,40,60	G711A	20,40,60	G723	30,60,90	G729A	20,40,60
G711U	20,40,60								
G711A	20,40,60								
G723	30,60,90								
G729A	20,40,60								

	G726	20,40,60
Bandwidth Required	When you select the codec packet size shown above, system will set default requirement of bandwidth.	

1. Press the **"Apply"** button (at the bottom) after you finish to save changes.
2. Press the **"Reboot"** button to apply the changes.

3.4.4 Voice Setting

VoIP Gateway

Network Configuration
 General Configuration
 Advanced Configuration

System Setting
 SNTP Setting
 Codec Setting
 Voice Setting
 Tone Setting
 Phone Setting
 Digit Manipulation
 Dial Plan
 Call Routing

Management
 Reboot

Voice Setting

Min Jitter Buffer (0~150)	Max Jitter Buffer(0~200)	OPTFactor (0~13)	VAD	Echo cancellation
<input type="text" value="0"/>	<input type="text" value="200"/>	<input type="text" value="7"/>	<input type="radio"/> Enable <input checked="" type="radio"/> Disable	<input checked="" type="radio"/> Enable <input type="radio"/> Disable

	Local voice volume	Remote receive volume	DTMF volume
Line1	<input type="text" value="-3db"/>	<input type="text" value="-3db"/>	<input type="text" value="-10db"/>
Line2	<input type="text" value="-3db"/>	<input type="text" value="-3db"/>	<input type="text" value="-10db"/>
Line3	<input type="text" value="-3db"/>	<input type="text" value="-3db"/>	<input type="text" value="-10db"/>
Line4	<input type="text" value="-3db"/>	<input type="text" value="-3db"/>	<input type="text" value="-10db"/>
Line5	<input type="text" value="-3db"/>	<input type="text" value="-3db"/>	<input type="text" value="-10db"/>
Line6	<input type="text" value="-3db"/>	<input type="text" value="-3db"/>	<input type="text" value="-10db"/>
Line7	<input type="text" value="-3db"/>	<input type="text" value="-3db"/>	<input type="text" value="-10db"/>
Line8	<input type="text" value="-3db"/>	<input type="text" value="-3db"/>	<input type="text" value="-10db"/>

Jitter Buffer	
Minimal Delay	Specify the minimal delay of the jitter buffer. The range is 0~150 ms and the default setting is 0 ms.
Maximal Delay	Specify the maximal delay of the jitter buffer. The range is 0~200 ms and the default setting is 200 ms.
OPTFactor	Specify the dynamic jitter buffer frame error/delay optimization factor, the range is 0~13.
VAD	Enable/Disable the VAD (Voice Activity Detection) feature. This is supported on all codices that the FXS-FXO equipments.
Echo cancellation	Enable/Disable the echo cancellation feature. The default setting is "Enable".
Local voice volume	Specify the volume gain of the voice in

	the local side (+5~-20 db, default is -3 db).
Remote receive volume	Specify the volume gain of the voice in the remote side (+5~-20 db, default is -3 db, default is -3 db).
DTMF volume	Specify the volume gain of the DTMF (+3~-32 db, default is -10 db).

1. Press the **"Apply"** button (at the bottom) after you finish to save changes.
2. Press the **"Reboot"** button to apply the changes.

3.4.5 Tone Setting

VoIP Gateway

Tone Setting									
	Dial tone	Ring back tone	Busy tone	Call-waiting	Voice-Notify	ROH Tone	Disconnect tone1	Disconnect tone2	
Frequency high (0,300~1980)	<input type="text" value="440"/>	<input type="text" value="480"/>	<input type="text" value="620"/>	<input type="text" value="440"/>	<input type="text" value="0"/>	<input type="text" value="480"/>	<input type="text" value="620"/>	<input type="text" value="620"/>	
Frequency low (0,300~1980)	<input type="text" value="350"/>	<input type="text" value="440"/>	<input type="text" value="480"/>	<input type="text" value="350"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="480"/>	<input type="text" value="480"/>	
Frequency high level (0~63)(-db)	<input type="text" value="13"/>	<input type="text" value="19"/>	<input type="text" value="24"/>	<input type="text" value="24"/>	<input type="text" value="13"/>	<input type="text" value="6"/>	<input type="text" value="8"/>	<input type="text" value="13"/>	
Frequency low level (0~63)(-db)	<input type="text" value="13"/>	<input type="text" value="19"/>	<input type="text" value="24"/>	<input type="text" value="24"/>	<input type="text" value="13"/>	<input type="text" value="0"/>	<input type="text" value="8"/>	<input type="text" value="13"/>	
Tone1 On(0~8000) (Unit:10ms)	<input type="text" value="300"/>	<input type="text" value="100"/>	<input type="text" value="50"/>	<input type="text" value="25"/>	<input type="text" value="20"/>	<input type="text" value="500"/>	<input type="text" value="50"/>	<input type="text" value="25"/>	
Tone1 Off(0~8000) (Unit:10ms)	<input type="text" value="0"/>	<input type="text" value="200"/>	<input type="text" value="50"/>	<input type="text" value="25"/>	<input type="text" value="20"/>	<input type="text" value="0"/>	<input type="text" value="50"/>	<input type="text" value="25"/>	
Tone2 On(0~8000) (Unit:10ms)	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="25"/>	<input type="text" value="20"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	
Tone2 Off(0~8000) (Unit:10ms)	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="25"/>	<input type="text" value="20"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	

Dial tone	Specify the pattern of the Dial tone, you can adjust the high frequency, low frequency, high level, low level, the On and Off time for tone 1 and 2.
Ringback tone (FXS only)	Specify the pattern of the Ringback tone, you can adjust the high frequency, low frequency, high level, low level, the On and Off time for tone 1 and 2.
Busy tone	Specify the pattern of the Busy tone, you can adjust the high frequency, low frequency, high level, low level, the On and Off time for tone 1 and 2.
Call-waiting (FXS only)	Specify the pattern of the call-waiting tone, you can adjust the high frequency, low frequency, high level, low level, the On and Off time for tone 1 and 2.
Voice-Notify (for FXS+PSTN only)	Specify the pattern of the Voice-Notify, you can adjust the high frequency, low frequency, high level, low level, the On

	and Off time for tone 1 and 2.
ROH Tone (FXS only)	Specify the pattern of the ROH Tone, you can adjust the high frequency, low frequency, high level, low level, the On and Off time for tone 1 and 2. The ROH tone is a single high frequency tone used to warn users that their phone is not placed on-hook (hang up) correctly.
Disconnect tone 1	Specify the pattern of the disconnect tone for disconnect tone 1 (first set), you can adjust the high frequency, low frequency, high level, low level, the On and Off time for tone 1 and 2. P.S. If the disconnect tone only has single frequency, please set it to low frequency. If the disconnect tone only has single cadence, please set it to Tone 1.
Disconnect tone 2	Specify the pattern of the disconnect tone for disconnect tone 2 (second set), you can adjust the high frequency, low frequency, high level, low level, the On and Off time for tone 1 and 2. P.S. If the disconnect tone only has single frequency, please set it to low frequency. If the disconnect tone only has single cadence, please set it to Tone 1.

1. Press the **"Apply"** button (at the bottom) after you finish to save changes.
2. Press the **"Reboot"** button to apply the changes.

3.4.6 Phone Setting

VoIP Gateway

Network Configuration
 General Configuration
 Advanced Configuration
 ▶ System Setting
 ▶ SNTP Setting
 ▶ Codec Setting
 ▶ Voice Setting
 ▶ Tone Setting
 ▶ **Phone Setting**
 ▶ Digit Manipulation
 ▶ Dial Plan
 ▶ Call Routing
 Management
 Reboot

Phone Setting

	Ringing Frequency (15~100)	Ringing ON (100~8000)	Ringing OFF (100~8000)	Ringing level (0~94)	Flash low (60~2000)	Flash high (60~2000)
Primary Ringing	20	1000	2000	94	200	800
Secondary Ringing	20	1000	4000	94		
Min. Digit Count	0 (0:disable,1~20)					
Country	default					

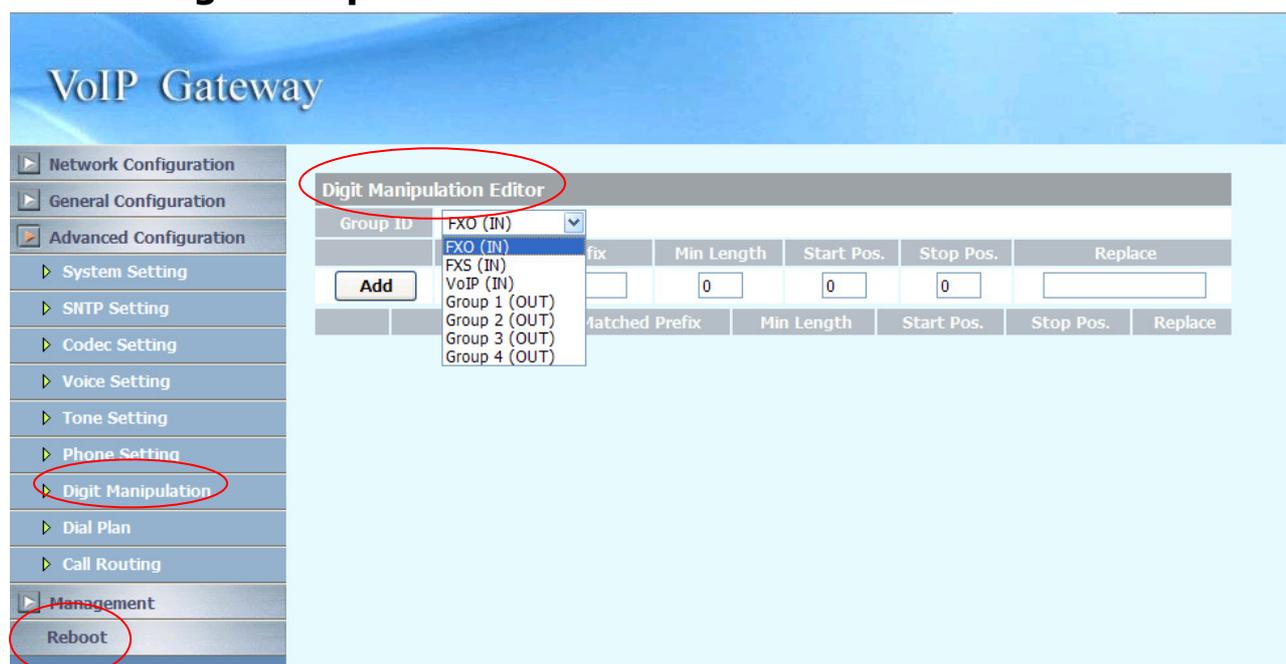
Apply

Primary Ringing	
Ringing Frequency	Specify the Ringing frequency value. ringing frequency : 15~100 (Unit : Hz)
Ringing ON	Specify the Ringing ON value. ringing ring ON : 0~8000 (Unit : ms)
Ringing OFF	Specify the Ringing OFF value. ringing ring OFF : 0~8000 (Unit : ms)
Ringing level	Specify the ringing level. ringing level : 0 ~ 94 (Unit : V)
Flash low	Specify the value of the flash (low). : 60~2000 (Unit : ms). If the phone-set's flash time is smaller than the Flash Low setting, the flash will be ignored.
Flash high	Specify the value of the flash (high). : 60~2000 (Unit : ms) If the phone-set's flash time is larger

	than the Flash high setting, the flash will be handled as hang-up.
Secondary Ringing (FXS only)	
Note: The feature will be enabled automatically when the Min. Digit Count has been enabled and specified. It is used to have different ring cadence when the incoming caller number is shorter than the setting of "Min. Digit Count"	
Ringing Frequency	Specify the Ringing frequency value. ringing frequency : 15~100 (Unit : Hz)
Ringing ON	Specify the Ringing ON value. ringing ring ON : 0~8000 (Unit : ms)
Ringing OFF	Specify the Ringing OFF value. ringing ring OFF : 0~8000 (Unit : ms)
Ringing level	Specify the ringing level. ringing level : 0 ~ 94 (Unit : V)
Min. Digit Count	Specify the minimum digit count (1~10, 0: Disable), this feature is used to change the ringing frequency by detecting the digit length of incoming calls' number. When the digit length of an incoming caller number is greater than the specified setting, the system will use primary ringing. If the digit is less than the specified setting, the system will use the secondary ringing.
Country	Specify the ringing standard to use.

1. Press the **"Apply"** button (at the bottom) after you finish to save changes.
2. Press the **"Reboot"** button to apply the changes.

3.4.7 Digit Manipulation



Digit Manipulation Editor

- FXO: This DM group is used for FXO incoming call.
- FXS: This DM group is used for FXS dialing out.
- VOIP: This DM group is used for VOIP incoming call.
- 1-4: These DM groups can be used for routing table.
- Matched Prefix: The prefix to be matched length for DM. The longest prefix will be matched first.
- Matched min Length: Set to 0 for ignoring the length. The other 1-32 are the length to be matched longest as a condition.
- Start Pos: The start position to be replaced.
- Stop Pos: The stop position to be replaced.
- Replace Value: The value to replace.

Example

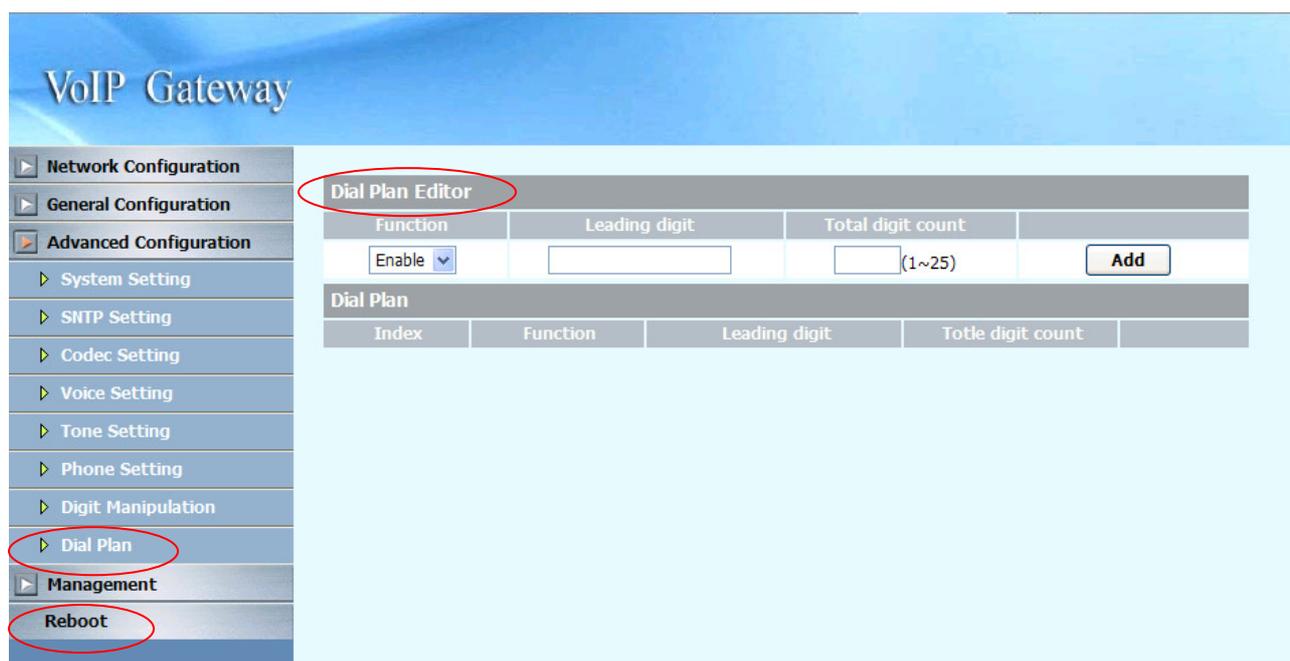
prefix	Min Len	Start pos	Stop pos	Replace Value	Test DNIS	Result DNIS
886	0	0	0	002	8862123456	0028862123456
886	12	0	0	002	8862123456	8862123456

	886	0	2	5	002	8862123456	8800223456
	886	0	30	30	002	8862123456	8862123456002
	886	0	1	6		8862123456	83456

Note: The DM Group 1~4 can have the feature to delay the dialing by added a "p" into the replace value. It might be useful, if you want to wait for a while and dial the second part of DTMF for calling out. Each "p" represents 2 seconds delay. For example: 822265699ppp1234; it will first dial 82265699 and wait to 6 sec to dial 1234.

1. Press the **"Apply"** button (at the bottom) after you finish to save changes.
2. Press the **"Reboot"** button to apply the changes.

3.4.8 Dial Plan



Dial Plan Editor

Using this feature, users can specify the number that will be immediately dialed out without having to press the “#” (at the end of the dialed number) on the keypad or until the dial time timeout period. The number can be specified depending on the length of the dialed number, or the prefix of the dialed number.

For example, if the user sets:

First Example

- Function: Enable
- Leading digit: 02
- Total Digit count: 10

If the user dials a 10 digit number with a prefix of 02 (e.g. 0282265699), the WELLGATE 26XX will immediately detect it and dial this number straight away.

Second Example

- Function: Enable

	<ul style="list-style-type: none">● Leading digit:● Total digit count: 8 <p>If the user dials an 8 digit number (e.g. 82265699), the WELLGATE 26XX will immediately detect it and dial this number straight away.</p> <p><u>Third Example</u></p> <ul style="list-style-type: none">● Function: Disable● Leading digit: 02● Total digit count: 10 <p>If the user set the Function parameter as "Disable", the call number with a length of 10 digits and a prefix of 02 will proceed as normal. The user will need to wait until dial timeout period for the call to be made, or press the "#" on the keypad at the end of the dialing number to make the call.</p> <p>You can configure up to 50 entries in the Dial Plan.</p>
--	---

1. Press the **"Apply"** button (at the bottom) after you finish to save changes.
2. Press the **"Reboot"** button to apply the changes.

3.4.9 Call routing Editor

The screenshot displays the 'VoIP Gateway' configuration interface. On the left is a sidebar menu with categories: Network Configuration, General Configuration, and Advanced Configuration. Under Advanced Configuration, 'Call Routing' and 'Reboot' are circled in red. The main content area is titled 'Call Routing Editor' and contains a form with the following fields: Status (checkbox), Prefix (text input), Min Length (text input with '0'), Route To (dropdown menu with 'FXO' selected), P2P Address (text input), and DM Group (dropdown menu with 'None' selected). Below the form is a 'Call Routing List' table with the following columns: Index, Status, Prefix, Min Len, Route To, P2P Address, Backup Route To, Backup P2P Address, and Backup DM Group. A dropdown menu is open over the 'Route To' field, showing options: None, FXO, FXS, VoIP, and P2P.

Call Routing

- **Status:** enable or disable this routing
- **Prefix:** matched DNIS (called number) prefix.
- **Min Length:** matched DNIS minimum length. This DM can only be executing when the received DNIS is longer than it.
- **Route to:** The outgoing call type could be (FXO / FXS / VOIP /P2P)
Backup route to: If primary route is unable to reach the destination, whether to use the backup routing or not. The backup outgoing call type could be (FXO / FXS / VOIP /P2P) which require being different as the same type of primary route.
- **DM Group:** The DM group here can be used as the DM after routing rule was selected. It is useful especially when you have different dialing plan for backup

	route.
--	--------

3.5 Management

3.5.1 Provision Server

The Dynamix can support the EMS9510 or http provisioning. For http provisioning, it requires a http web server or hfs (<http://www.rejetto.com/hfs/>) as the file server and put each mac address's configuration file inside the http file server.

The screenshot shows the 'VoIP Gateway' configuration page. On the left is a navigation menu with the following items: Network Configuration, General Configuration, Advanced Configuration, Management, Provision Server (circled in red), Save-Reload Setting, Voice File, Upgrade Firmware, Reset to Default, Network Status, Version Info., Port Status (circled in red), Account, and Reboot. The main content area is titled 'Provision Server' (circled in red) and contains the following fields:

- Provision server Mode: EMS9510 (dropdown menu)
- Provision server IP address: (empty text box)
- Provision server port: 61003
- Polling Interval(min): 0

An 'Apply' button (circled in red) is located at the bottom of the configuration area.

Provision server Mode	EMS9510
Provision server IP address	Specify the Provision Server's IP address.
Provision server port	Specify the Provision server port
Polling Interval (min)	Specify the checking interval for the configuration changes.(unit: min)

1. Press the **"Apply"** button (at the bottom) after you finish to save changes.
2. Press the **"Reboot"** button to apply the changes.

The screenshot shows the 'VoIP Gateway' configuration page. On the left is a navigation menu with items: Network Configuration, General Configuration, Advanced Configuration, Management, Provision Server (circled in red), Save-Reload Setting, Voice File, Upgrade Firmware, Reset to Default, Network Status, Version Info., Port Status, Account, and Reboot (circled in red). The main content area is titled 'Provision Server' and contains the following fields:

- Provision server Mode: HTTP (dropdown menu, circled in red)
- Provision server IP address: [text input field]
- Provision server port: 80
- Polling Interval(min): 0
- Path: [text input field]
- User ID: [text input field]
- Password: [text input field]

At the bottom of the form is an 'Apply' button (circled in red).

Provision server Mode	HTTP: Enable auto provisioning service by HTTP Service
Provision server IP address	Specify the Provision Server's IP address.
Provision server port	Specify the Provision server port
Polling Interval (min)	The checking interval for new configuration
Path	The http path to store the configuration files.
User ID	The user ID to retrieve the MAC configuration file
Password	The password to retrieve the MAC configuration file

1. Press the **"Apply"** button (at the bottom) after you finish to save changes.
2. Press the **"Reboot"** button to apply the changes.

The screenshot shows the 'VoIP Gateway' configuration page. On the left is a navigation menu with options: Network Configuration, General Configuration, Advanced Configuration, Management, Provision Server, Save-Reload Setting, Voice File, Upgrade Firmware, Reset to Default, Network Status, Version Info., Port Status, Account, and Reboot. The 'Provision Server' section is highlighted with a red circle. The 'Apply' button is also circled in red. The 'Reboot' button in the left sidebar is also circled in red.

Provision Server	
Provision server Mode	FTP
Provision server IP address	
Provision server port	80
Polling Interval(min)	0
Path	
User ID	
Password	

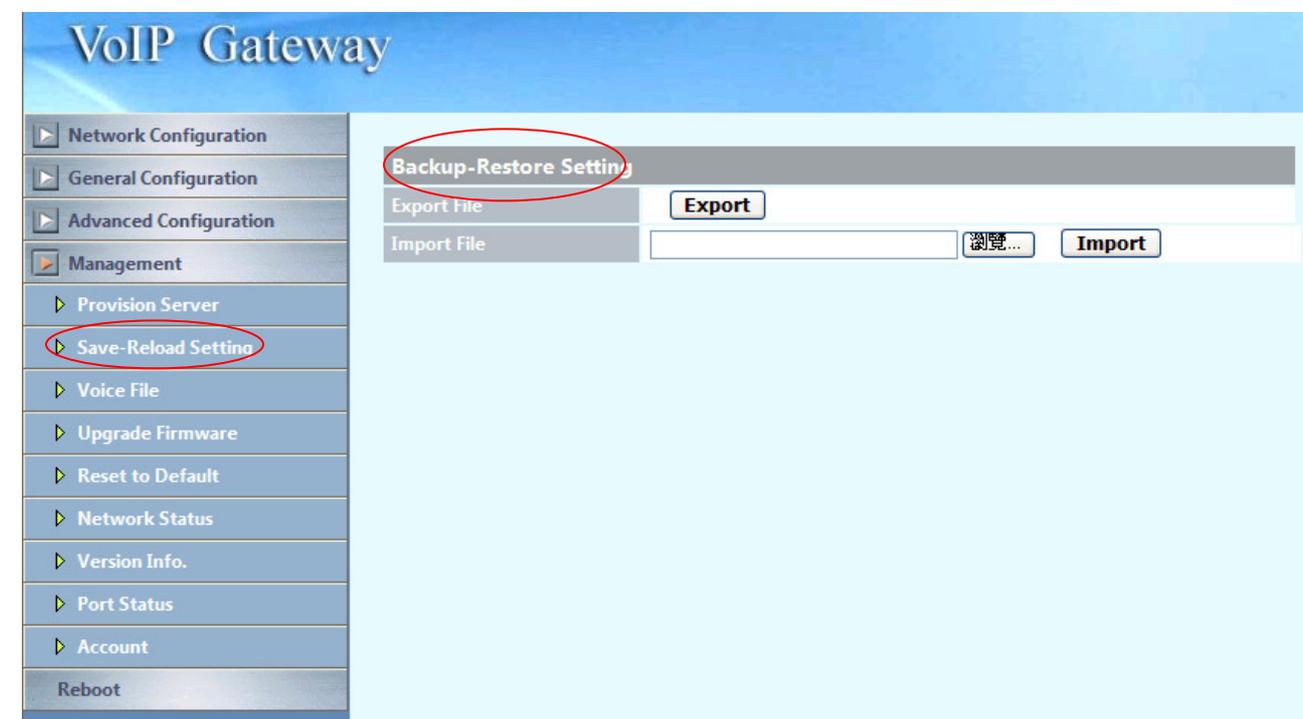
Apply

Provision server Mode	FTP
Provision server IP address	Specify the Provision Server's IP address.
Provision server port	Specify the Provision server port
Polling Interval (min)	The checking interval for new configuration
Path	The http path to store the configuration files.
User ID	The user ID to retrieve the MAC configuration file
Password	The password to retrieve the MAC configuration file

1. Press the "**Apply**" button (at the bottom) after you finish to save changes.
2. Press the "**Reboot**" button to apply the changes.

P.S: For http/ftp provisioning detail, please refer appendix B.

3.5.2 Save-Reload setting



Export File	Click the "Export" button to export "user.cfg" data
Import File	Specify the file path and file name to Import the configure data.

1. Press the **"Reboot"** button to apply the changes.

3.5.3 Voice File

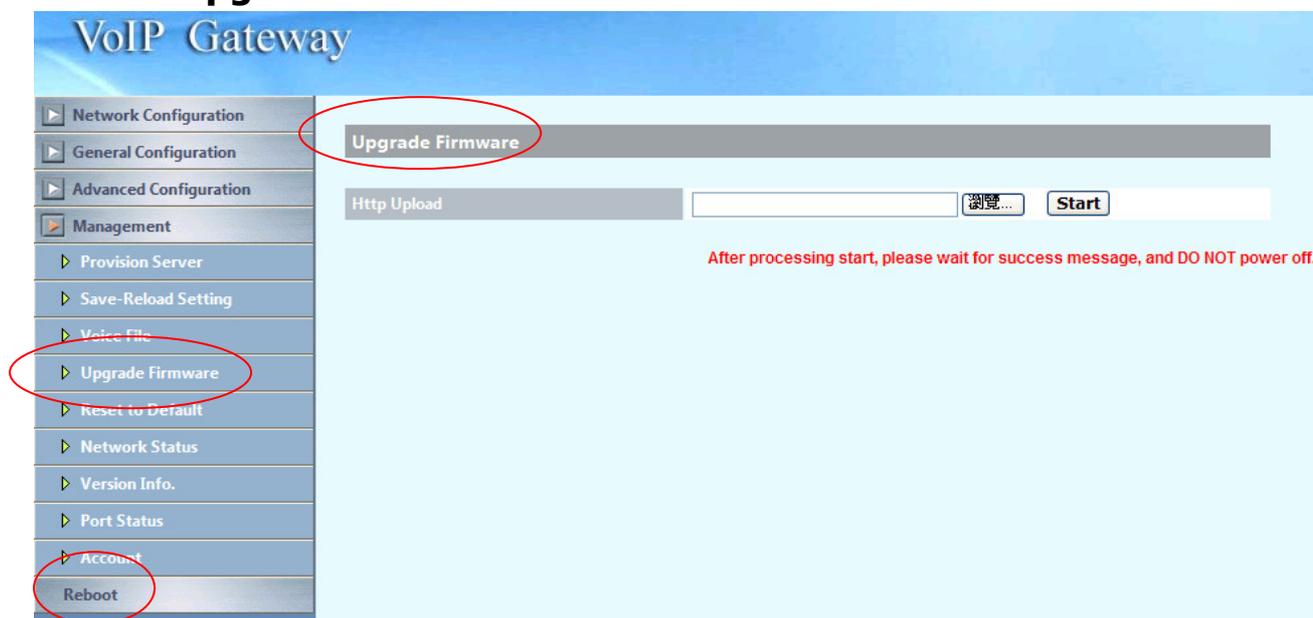
The screenshot displays the 'VoIP Gateway' configuration page. On the left, a sidebar menu lists various configuration categories: Network Configuration, General Configuration, Advanced Configuration, Management, Provision Server, Save-Reload Setting, Voice File (circled in red), Upgrade Firmware, Reset to Default, Network Status, Version Info., Port Status, Account, and Reboot (circled in red). The main content area is titled 'Voice File Upload' and contains the following fields:

- Voice File Type:** A dropdown menu with 'Greeting' selected, showing '(16 seconds)' and a note 'ion number or 9 for operator'.
- Upload File:** A text input field with a file selection icon and an 'Upload' button.

Below the input fields, the text 'Voice Format:711u,8k,8bits,raw file' is displayed in red.

Voice File Type	Voice files type to be uploaded. It could be greeting or hold tone.
Upload File	Specify the file path and file name to upload. Please make sure that the file format needs to be G.711U, 8K, 8 bits raw file.

3.5.4 Upgrade Firmware

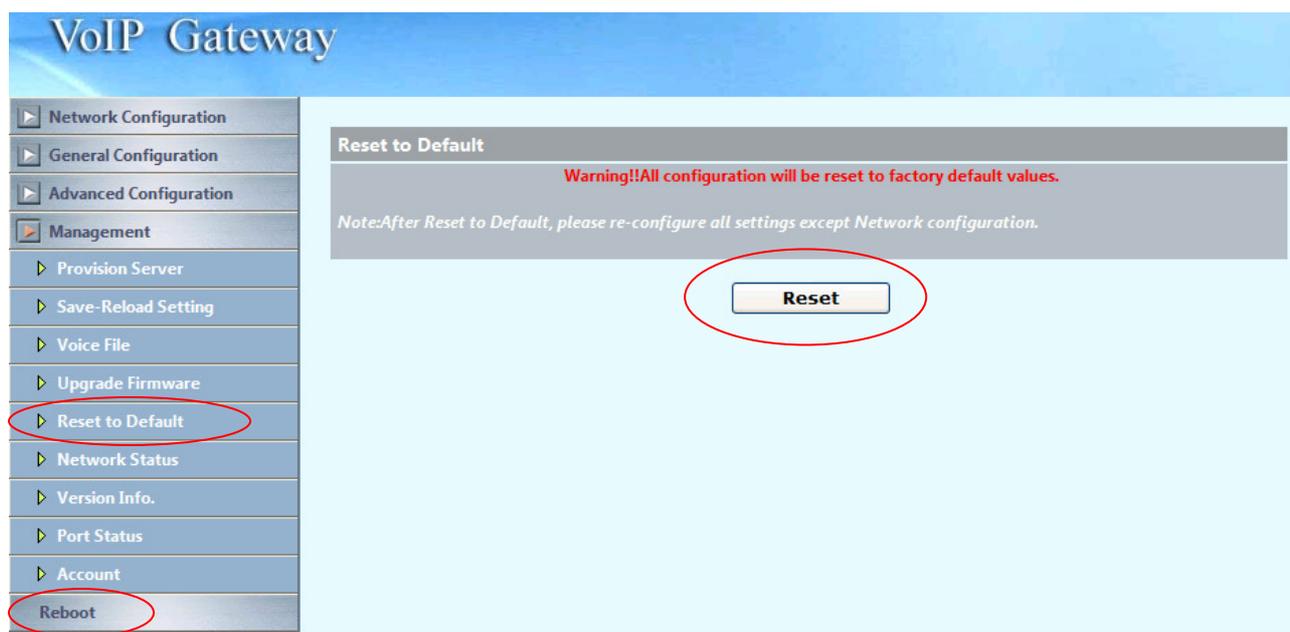


Http Upload	Specify the location of the firmware for uploading through Http.
-------------	--

1. Under Device Management => Software Upgrade web menu, specify the location of the firmware by clicking the Browse button next to the Http Upload text box.
2. You will be prompted with a window requesting the location of the firmware.
3. Locate the firmware that is stored in your hard drive.
4. Once located, click the Open button.
5. Back in the web configuration menu, press the Start button (next to the Http Upload's browse button) to execute the upgrade process.
6. Please wait while the device updates itself with the firmware.
7. After the update process is finish, you will be taken to a web page indicating that it was successful (see figure below).

Note: For consistency, it is recommended to reload default setting every time you update the firmware on the Dynamix 26XX. However, you will lose all the settings configured on the Dynamix 26XX except Network configuration. For more details on reload default setting, please refer to the next page below.

3.5.5 Reset to Default



Users can restore back to factory default settings using this feature. The password of the account and the network configurations are the things that will not be changed when this feature is executed.

3.5.6 Network Status

VoIP Gateway

- ▶ Network Configuration
- ▶ General Configuration
- ▶ Advanced Configuration
- ▶ Management
 - ▶ Provision Server
 - ▶ Save-Reload Setting
 - ▶ Voice File
 - ▶ Upgrade Firmware
 - ▶ Reset to Default
 - ▶ Network Status
 - ▶ Version Info.
 - ▶ Port Status
 - ▶ Account
- Reboot

Network Status	
Connection mode	Static IP
Current IP address	10.1.1.3
Subnet mask	255.255.0.0
Default gateway	10.1.1.254
Primary DNS address	168.95.1.1
Second DNS address	168.95.1.2
WAN MAC	00:01:A8:05:74:4C

Connection mode	Displays the current connection mode.
Current IP address	Displays the current IP address of the WAN port.
Subnet mask	Displays the current subnet mask's IP.
Default gateway	Displays the current default gateway's IP.
Primary DNS address	Displays the current primary DNS address.
Second DNS address	Displays the current secondary DNS address.
WAN MAC	Displays the MAC address of the WAN port.

3.5.7 Version Info.

The screenshot shows the VoIP Gateway web interface. On the left is a navigation menu with the following items: Network Configuration, General Configuration, Advanced Configuration, Management (highlighted), Provision Server, Save-Reload Setting, Voice File, Upgrade Firmware, Reset to Default, Network Status, Version Info (circled in red), Port Status, Account, and Reboot. The main content area displays a table titled 'Version information' with the following data:

Version information	
Boot version	BOOT_2008_01_18.dlf
Post version	POST_2008_02_01.dlf
Application version	WG26_2dsp_8fxs_107

Boot version	Displays the current boot version loaded on the Dynamix DW 26XX.
Post version	Displays the current post version loaded on the Dynamix DW 26XX.
Application version	Displays the current application version loaded on the Dynamix DW 26XX.

3.5.8 Port Status

The screenshot shows the VoIP Gateway web interface. On the left is a navigation menu with 'Port Status' circled in red. The main content area is titled 'Port Status' and has a 'Refresh Interval' dropdown set to '5 sec'. Below this is a table with the following data:

Item	Port Type	Enabled	Plug	Status	Status Time	Register Proxy	Caller ID	Called ID	Codec
Port 1	FXO	Yes	No	Idle	06:45:39				None
Port 2	FXS	Yes		Idle	03:37:49				None
Port 3	FXO	Yes	No	Idle	06:45:39				None
Port 4	FXS	Yes		Idle	06:45:39				None
Port 5	FXO	Yes	No	Idle	06:45:39				None
Port 6	FXS	Yes		Idle	06:45:39				None
Port 7	FXO	Yes	No	Idle	06:45:39				None
Port 8	FXS	Yes		Idle	06:45:39				None

Refresh Interval	Time to update the status
Item	Displays the corresponding port number.
Port Type	Displays the port type (FXS, FXO) of the corresponding port number.
Enable	Whether the port is enabled or disable.
Plug	Whether PSTN is connected to the FXO port or not
Status	Displays the status of the port.
Status Time	Status updated time
Register Proxy	Displays the registration status of the corresponding port number. if the port Register success it will display "Yes".
Caller ID	Calling party ID.
Called ID	Called party ID.
Codec	Voice Codec to be used

3.5.9 Password

The screenshot shows the VoIP Gateway web interface. The left sidebar contains a menu with the following items: Network Configuration, General Configuration, Advanced Configuration, Management, Provision Server, Save-Reload Setting, Upgrade Firmware, Reset to Default, Network Status, Version Info., Port Status, Password, and Reboot. The 'Password' menu item is circled in red. The main content area is titled 'Password' and contains the following fields: Username (a dropdown menu with 'root' selected), Current password, New password, and Confirm new password. The 'Apply' button is circled in red.

Username	Select the type of user name that you would like to configure the password for, you can choose the following: <ul style="list-style-type: none"> ● root ● user
Current password	Specify the current password for the user selected in the drop down list above.
New password	Specify the new password for the user selected in the drop down list above.
Confirm new password	Repeat the new password again for confirmation.

1. Press the **"Apply"** button (at the bottom) after you finish to save changes.
2. Press the **"Reboot"** button to apply the changes.

3.5.10 Account

Three level of users can be used, administrator, supervisor, user. Each level of users will have different predefined access level.

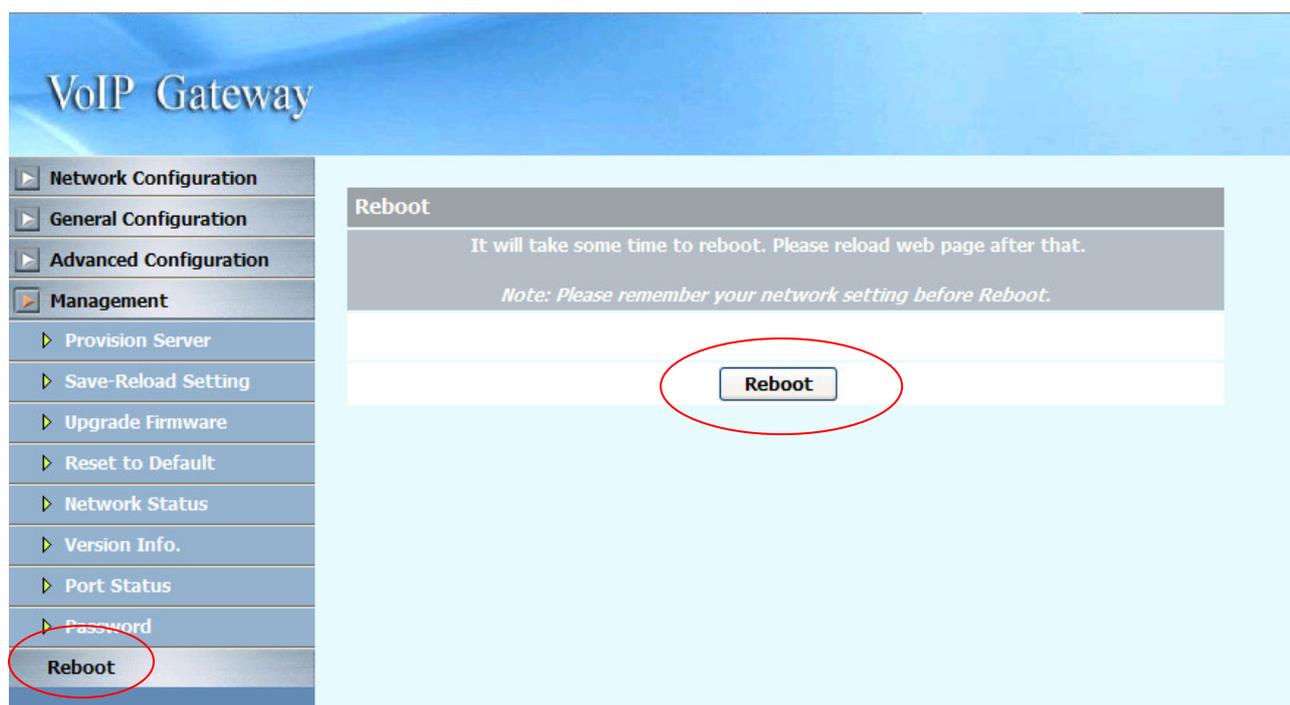
The screenshot displays the 'VoIP Gateway' web interface. On the left is a navigation sidebar with the following menu items: Network Configuration, General Configuration, Advanced Configuration, Management, Provision Server, Save-Reload Setting, Voice File, Upgrade Firmware, Reset to Default, Network Status, Version Info., Port Status, Account, and Reboot. The 'Reboot' item is circled in red. The main content area is titled 'Account' and contains three user configuration sections:

- Administrator:** User name: root, Password: ****, Confirm password: ****
- Supervisor Setting:** User name: su, Password: **, Confirm password: **
- User:** User name: user, Password: ****, Confirm password: ****

Administrator	The administrator level user which has full access of DW 26xx.
Supervisor Setting	The supervisor level user which has limited administrative access right.
User	The user access right which only allows to setting some user related features.

3.6 Rebooting the system

Executing this function will reboot the whole system, when configuration changes are made to the device, it needs to be rebooted for the changes to take effect (see figure below).



Appendix A: How to set the P2P call

Example1:

This example shows a way to do the P2P in between a 2608 and 2680 by using the call routing features.

Used IP address:

1. 2608 IP is 192.168.18.2
2. 2680 IP is 192.168.18.235

A. 2608 Configuration

Step 1:

Disable proxy settings and apply it as follows

The screenshot shows the VoIP Gateway configuration interface. The left sidebar contains a tree view with the following categories:

- Network Configuration
 - General Configuration
 - SIP Setting** (highlighted with a red box)
 - SIP Advanced Setting
 - Payload Type Setting
 - Line Setting
 - QoS Setting
 - Speed Dial Setting
 - Caller ID Setting
 - CDR Setting
 - Syslog Setting
 - Advanced Configuration
 - Management
 - Reboot

The main content area is divided into two sections:

Proxy Setting

Proxy Redundant Mode: **Disable** (dropdown menu)

	Enable	IP Address	Port	Domain Name	Expire Time (sec)	MWI TTL (sec)
Primary proxy	<input type="checkbox"/>		5060		120	0
Outbound proxy	<input type="checkbox"/>		5060			

Port Hunting

Priority	Line Number	1	2	3	4	5	6	7	8
Line1	260801	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line2	260802	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line3	260803	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line4	260804	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>					
Line5	260805	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line6	260806	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line7	260807	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line8	260808	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

An **Apply** button is located at the bottom right of the configuration area, circled in red.

Step 2:

Disable Register for all line and apply it.

VoIP Gateway

- Network Configuration
 - General Configuration
 - SIP Setting
 - SIP Advanced Setting
 - Payload Type Setting**
 - Line Setting**
 - QoS Setting
 - Speed Dial Setting
 - Caller ID Setting
 - CDR Setting
 - Syslog Setting
 - Advanced Configuration
 - Management
 - Reboot

Line Setting

Global Setting

No Answer Forward Time: 180

FAX: Enable Disable

Line Setting

	TYPE	Enable	Reg	Number	Hotline	Wait to Hotline (sec)	Forward	Call Waiting	DND	Anonymous
Line 1	FXS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Number: 260801 Account: 260801 Password: ●●●●●● Display Name: 260801	<input type="checkbox"/>	0	Disable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line 2	FXS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Number: 260802 Account: 260802 Password: ●●●●●● Display Name: 260802	<input type="checkbox"/>	0	Disable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line 3	FXS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Number: 260803 Account: 260803 Password: ●●●●●● Display Name: 260803	<input type="checkbox"/>	0	Disable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line 4	FXS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Number: 260804 Account: 260804 Password: ●●●●●● Display Name: 260804	<input type="checkbox"/>	0	Disable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Step 3:

Create a prefix as follow to route the call to 2680 as follows. Reboot and try it. For this example, we are route 26801 to 2680's first line, 26802 to 2680's second line...etc. Since the first port of 2680 is the 5060 and second port is 5062, the setting as show as follows:

VoIP Gateway

Network Configuration
General Configuration
Advanced Configuration
System Setting
SIP Setting
Codec Setting
Voice Setting
Tone Setting
Phone Setting
Digit Manipulation
Dial Plan
Call Routing
Management
Reboot

Call Routing Editor

Status	Prefix	Min Length	Route To	P2P Address	DM Group
<input type="button" value="Add"/>	<input type="text"/>	<input type="text" value="0"/>	P2P	<input type="text"/>	None
			Backup Route To	Backup P2P Address	Backup DM Group
			None		None

Call Routing List

		Index	Status	Prefix	Min Len.	Route To	P2P Address	DM Group	Backup Route To	Backup P2P Address	Backup DM Group
<input type="button" value="Delete"/>	<input type="button" value="Modify"/>	1	ENABLE	26801	0	P2P	192.168.18.235:5060	None	None		None
<input type="button" value="Delete"/>	<input type="button" value="Modify"/>	2	ENABLE	26802	0	P2P	192.168.18.235:5062	None	None		None
<input type="button" value="Delete"/>	<input type="button" value="Modify"/>	3	ENABLE	26803	0	P2P	192.168.18.235:5064	None	None		None
<input type="button" value="Delete"/>	<input type="button" value="Modify"/>	4	ENABLE	26804	0	P2P	192.168.18.235:5066	None	None		None
<input type="button" value="Delete"/>	<input type="button" value="Modify"/>	5	ENABLE	26805	0	P2P	192.168.18.235:5068	None	None		None
<input type="button" value="Delete"/>	<input type="button" value="Modify"/>	6	ENABLE	26806	0	P2P	192.168.18.235:5070	None	None		None
<input type="button" value="Delete"/>	<input type="button" value="Modify"/>	7	ENABLE	26807	0	P2P	192.168.18.235:5072	None	None		None
<input type="button" value="Delete"/>	<input type="button" value="Modify"/>	8	ENABLE	26808	0	P2P	192.168.18.235:5074	None	None		None

B. 2680 configuration

Step 1:

Disable proxy settings as below and apply it.

The screenshot shows the VoIP Gateway configuration interface. On the left is a navigation menu with categories: Network Configuration, General Configuration, SIP Setting, SIP Advanced Setting, Payload Type Setting, Line Setting, QoS Setting, Speed Dial Setting, Caller ID Setting, CDR Setting, Syslog Setting, Advanced Configuration, Management, and Reboot. The 'SIP Setting' option is highlighted with a red box. The main area is divided into two sections: 'Proxy Setting' and 'Port Hunting'.

Proxy Setting

Proxy Redundant Mode: (dropdown menu)

	Enable	IP Address	Port	Domain Name	Expire Time (sec)	MWI TTL (sec)
Primary proxy	<input type="checkbox"/>	<input type="text" value="10.1.1.2"/>	<input type="text" value="5060"/>	<input type="text"/>	<input type="text" value="120"/>	<input type="text" value="0"/>
Outbound proxy	<input type="checkbox"/>	<input type="text"/>	<input type="text" value="5060"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Port Hunting

Priority	Line Number	1	2	3	4	5	6	7	8
Line1	26801	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line2	26802	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line3	26803	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line4	26804	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>					
Line5	26805	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line6	26806	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line7	26807	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line8	26808	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

An 'Apply' button is circled in red at the bottom center of the configuration area.

Step 2:

Disable register for all lines as follows and apply it.

The screenshot shows the 'VoIP Gateway' configuration interface. On the left is a navigation menu with options like 'Network Configuration', 'General Configuration', and 'Line Setting' (which is highlighted with a red box). The main area is titled 'Line Setting' and contains a table for configuring four lines. Each line has fields for 'Enable', 'Reg', 'Number', 'Account', 'Password', 'Display Name', 'Hotline', 'Wait to Hotline (sec)', 'Forward', 'Call Waiting', 'DND', 'Greeting', and 'Anonymous'. A red box highlights the 'Reg' column for all four lines, where the checkboxes are currently unchecked, indicating that the register function is disabled.

Line	TYPE	Enable	Reg	Number	Hotline	Wait to Hotline (sec)	Forward	Call Waiting	DND	Greeting	Anonymous
Line 1	FXO	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Number: 26801 Account: 26801 Password: ●●●● Display Name: 26801	<input type="checkbox"/>	0				<input type="checkbox"/>	<input type="checkbox"/>
Line 2	FXO	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Number: 26802 Account: 26802 Password: ●●●● Display Name: 26802	<input type="checkbox"/>	0				<input type="checkbox"/>	<input type="checkbox"/>
Line 3	FXO	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Number: 26803 Account: 26803 Password: ●●●● Display Name: 26803	<input type="checkbox"/>	0				<input type="checkbox"/>	<input type="checkbox"/>
Line 4	FXO	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Number: 26804 Account: 26804 Password: ●●●● Display Name: 26804	<input type="checkbox"/>	0				<input type="checkbox"/>	<input type="checkbox"/>

Step 3:

Create prefix to route to 2608's FXS port. Reboot and try it.

For this example, we are route 260801 to 2608's first FXS line, 260892 to 2608's second FXS line...etc. Since the first port of 2608 is the 5060 and second port is 5062, the setting as show as follows:

The screenshot shows the VoIP Gateway configuration interface. On the left is a navigation menu with categories like Network Configuration, General Configuration, and Advanced Configuration. The 'Call Routing' option is highlighted. The main area contains the 'Call Routing Editor' and a 'Call Routing List' table. The 'Call Routing Editor' has fields for Status, Prefix, Min Length, Route To (set to P2P), P2P Address, and DM Group. The 'Call Routing List' table contains 8 entries with columns for Index, Status, Prefix, Min Len, Route To, P2P Address, DM Group, Backup Route To, Backup P2P Address, and Backup DM Group. A red box highlights the P2P Address column in the table, and red circles highlight the 'Call Routing' and 'Reboot' options in the navigation menu.

Call Routing List											
		Index	Status	Prefix	Min Len	Route To	P2P Address	DM Group	Backup Route To	Backup P2P Address	Backup DM Group
Delete	Modify	1	ENABLE	260801	0	P2P	192.168.18.2:5060	None	None		None
Delete	Modify	2	ENABLE	260802	0	P2P	192.168.18.2:5062	None	None		None
Delete	Modify	3	ENABLE	260803	0	P2P	192.168.18.2:5064	None	None		None
Delete	Modify	4	ENABLE	260804	0	P2P	192.168.18.2:5066	None	None		None
Delete	Modify	5	ENABLE	260805	0	P2P	192.168.18.2:5068	None	None		None
Delete	Modify	6	ENABLE	260806	0	P2P	192.168.18.2:5070	None	None		None
Delete	Modify	7	ENABLE	260807	0	P2P	192.168.18.2:5072	None	None		None
Delete	Modify	8	ENABLE	260808	0	P2P	192.168.18.2:5074	None	None		None

Example 2:

This configuration shows an example to use the hot line for p2p calling. It is useful when you want your FXS pickup a phone and calling to a predefined destination.

A. 2608 configuration

Step 1:

Disable proxy settings and apply it.

VoIP Gateway

Network Configuration
 General Configuration
 SIP Setting
 SIP Advanced Setting
 Payload Type Setting
 Line Setting
 QoS Setting
 Speed Dial Setting
 Caller ID Setting
 CDR Setting
 Syslog Setting
 Advanced Configuration
 Management
 Reboot

Proxy Setting

Proxy Redundant Mode: Enable Disable

	Enable	IP Address	Port	Domain Name	Expire Time (sec)	MWI TTL (sec)
Primary proxy	<input type="checkbox"/>		5060		120	0
Outbound proxy	<input type="checkbox"/>		5060			

Port Hunting

Priority	Line Number	1	2	3	4	5	6	7	8
Line1	260801	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line2	260802	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line3	260803	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line4	260804	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>					
Line5	260805	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line6	260806	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line7	260807	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line8	260808	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Step 2:

For the line need to do the P2P hot line, put hotline number as the format of "number@uri:port". Apply and reboot it.

In this example, when FXS line 1 pickup the phone, it will be hot line to [26801@192.168.18.235:5060](tel:26801@192.168.18.235:5060). Line 3 will be route to 26803@192.168.18.235:5064.

VoIP Gateway

Network Configuration

General Configuration

- SIP Setting
- SIP Advanced Setting
- Payload Type Setting
- Line Setting**
- QoS Setting
- Speed Dial Setting
- Caller ID Setting
- CDR Setting
- Syslog Setting

Advanced Configuration

- Management
- Reboot**

Line Setting

Global Setting

No Answer Forward Time: 180

FAX: Enable Disable

Line	TYPE	Enable	Reg	Number	Hotline	Wait to Hotline (sec)	Forward	Call Waiting	DND	Anonymous
Line 1	FXS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Number: 260801 Account: 260801 Password: ●●●●●● Display Name: 260801	<input checked="" type="checkbox"/> 26801@192.168.18.235:5060	0	Disable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line 2	FXS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Number: 260802 Account: 260802 Password: ●●●●●● Display Name: 260802	<input checked="" type="checkbox"/> 26802@192.168.18.235:5064	0	Disable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line 3	FXS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Number: 260803 Account: 260803 Password: ●●●●●● Display Name: 260803	<input checked="" type="checkbox"/> 26803@192.168.18.235:5064	0	Disable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line 4	FXS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Number: 260804 Account: 260804 Password: ●●●●●● Display Name: 260804	<input checked="" type="checkbox"/> 26804@192.168.18.235:5060	0	Disable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

B. 2680 configuration

Step 1:

Disable proxy settings and apply it.

The screenshot displays the VoIP Gateway configuration interface. The left sidebar shows a navigation menu with 'SIP Setting' highlighted. The main content area is divided into two sections: 'Proxy Setting' and 'Port Hunting'.

Proxy Setting

Proxy Redundant Mode:

	Enable	IP Address	Port	Domain Name	Expire Time (sec)	MWI TTL (sec)
Primary proxy	<input type="checkbox"/>	<input type="text" value="10.1.1.2"/>	<input type="text" value="5060"/>	<input type="text"/>	<input type="text" value="120"/>	<input type="text" value="0"/>
Outbound proxy	<input type="checkbox"/>	<input type="text"/>	<input type="text" value="5060"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Port Hunting

Priority	Line Number	1	2	3	4	5	6	7	8
Line1	26801	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line2	26802	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line3	26803	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line4	26804	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>					
Line5	26805	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line6	26806	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line7	26807	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line8	26808	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Step 2:

For the line need to do the P2P hot line, put hotline number as the format of "number@uri:port". Apply and reboot it.

In this example, when FXO line 1 receives an incoming call, it will be hot line to 260801@192.168.18.2:5060. Line 3 will be route to 260803@192.168.18.2:5064.

VoIP Gateway

Network Configuration

General Configuration

- SIP Setting
- SIP Advanced Setting
- Registration Setting
- Line Setting**
- QoS Setting
- Speed Dial Setting
- Caller ID Setting
- CDR Setting
- Syslog Setting

Advanced Configuration

Management

Reboot

Line Setting

Global Setting

No Answer Forward Time: 180

FAX: Enable Disable

	TYPE	Enable	Reg	Number	Hotline	Wait to Hotline (sec)	Forward	Call Waiting	DND	Greeting	Anonymous
Line 1	FXO	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Number: 26801 Account: 26801 Password: Display Name: 26801	<input checked="" type="checkbox"/> 260801@192.168.18.2:5060	0				<input type="checkbox"/>	<input type="checkbox"/>
Line 2	FXO	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Number: 26802 Account: 26802 Password: Display Name: 26802	<input checked="" type="checkbox"/> 26802@192.168.18.2:5064	0				<input type="checkbox"/>	<input type="checkbox"/>
Line 3	FXO	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Number: 26803 Account: 26803 Password: Display Name: 26803	<input checked="" type="checkbox"/> 26802@192.168.18.2:5064	0				<input type="checkbox"/>	<input type="checkbox"/>
Line 4	FXO	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Number: 26804 Account: 26804 Password: Display Name: 26804	<input checked="" type="checkbox"/> 26802@192.168.18.2:5064	0				<input type="checkbox"/>	<input type="checkbox"/>

Example 3

This configuration shows an example for P2P calling to a representative number. When a PSTN call is coming to 2680 FXO port, it will start the call routing and make the p2p call to the sip trunk number of 2608 which provides serial line hunting. The same as 2608 to route to 2680's sip trunk number.

A. Configuration 2608

Step 1:

Check the primary proxy and sip trunk number enable option, and then setup the required parameters of the sip trunk number. Apply it.

Since the P2P call will be used for this sip trunk number, uncheck the primary proxy and apply it.

VoIP Gateway

Network Configuration

- General Configuration
 - SIP Setting
 - SIP Advanced Setting
 - Payload Type Setting
 - Line Setting
 - QoS Setting
 - Speed Dial Setting
 - Caller ID Setting
 - CDR Setting
 - Syslog Setting
- Advanced Configuration
- Management
- Reboot

Proxy Setting

Proxy Redundant Mode: Disable

Enable

	IP Address	Port	Domain Name	Expire Time (sec)	MWI TTL (sec)
Primary proxy		5060		120	0
Outbound proxy		5060			

SIP Trunk Configuration

Enable

Register	Number	Account	Password	Display Name
<input type="checkbox"/>	260800	260800	*****	260800

Forward: Disable

Forward Number	Ring Type	Serial Ring Time	Status
	Serial ring	20 (Sec)	No/ No

Port Hunting

Priority	Line Number	1	2	3	4	5	6	7	8
Line1	260801	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line2	260802	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line3	260803	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line4	260804	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line5	260805	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line6	260806	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Line7	260807	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>					
Line8	260808	<input type="checkbox"/>	<input checked="" type="checkbox"/>						

Apply

Step 2:
 Disable SIP registers for all lines and apply it.

The screenshot shows the 'VoIP Gateway' configuration interface. On the left is a navigation menu with categories like 'Network Configuration', 'General Configuration', 'SIP Setting', 'Payload Type Setting', 'Advanced Configuration', and 'Management'. The 'Line Setting' option is selected and highlighted with a red box. The main area displays 'Line Setting' configuration for four lines (Line 1 to Line 4). Each line has a 'TYPE' of 'FXS', 'Enable' checked, and 'Reg' unchecked. A red box highlights the 'Reg' column for all four lines. Each line also has fields for 'Number', 'Account', 'Password', and 'Display Name', all set to 260801-260804 respectively. Other columns include 'Hotline', 'Wait to Hotline (sec)', 'Forward' (set to 'Disable'), 'Call Waiting', 'DND', and 'Anonymous'.

Line	TYPE	Enable	Reg	Number	Hotline	Wait to Hotline (sec)	Forward	Call Waiting	DND	Anonymous
Line 1	FXS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Number: 260801 Account: 260801 Password: Display Name: 260801	<input type="checkbox"/>	0	Disable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line 2	FXS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Number: 260802 Account: 260802 Password: Display Name: 260802	<input type="checkbox"/>	0	Disable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line 3	FXS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Number: 260803 Account: 260803 Password: Display Name: 260803	<input type="checkbox"/>	0	Disable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line 4	FXS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Number: 260804 Account: 260804 Password: Display Name: 260804	<input type="checkbox"/>	0	Disable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Step 3:

Create a call routing entry for routing to 2680's representative number as below. Reboot it to take effective.

In this example, the call will be route to 26800@192.168.18.235:5076 (5076 is the port number or representative listened).

The screenshot displays the VoIP Gateway configuration interface. On the left is a navigation menu with the following items: Network Configuration, General Configuration, Advanced Configuration, System Setting, SIP Setting, Codec Setting, Voice Setting, Tone Setting, Phone Setting, Digit Manipulation, Dial Plan, Call Routing (highlighted with a red box), Management, and Reboot. The main content area is titled 'Call Routing Editor' and contains a form with the following fields: Status, Prefix, Min Length (set to 0), Route To (set to P2P), P2P Address, DM Group (set to None), Backup Route To (set to None), Backup P2P Address, and Backup DM Group (set to None). Below the editor is a 'Call Routing List' table with the following data:

		Index	Status	Prefix	Min Len.	Route To	P2P Address	DM Group	Backup Route To	Backup P2P Address	Backup DM Group
Delete	Modify	1	ENABLE	26800	0	P2P	192.168.18.235:5076	None	None		None

B. 2680 Configuration

Step 1:

Check the primary proxy and representative number enable option, then setup the required parameters of the representative number. Apply it.

Since the P2P call will be used for this representative number, uncheck the primary proxy and apply it.

VoIP Gateway

- ▶ Network Configuration
- ▶ General Configuration
 - ▶ SIP Setting
 - ▶ SIP Advanced Setting
 - ▶ Payload Type Setting
 - ▶ Line Setting
 - ▶ QoS Setting
 - ▶ Speed Dial Setting
 - ▶ Caller ID Setting
 - ▶ CDR Setting
 - ▶ Syslog Setting
- ▶ Advanced Configuration
- ▶ Management
 - Reboot

Proxy Setting

Proxy Redundant Mode: Disable

	Enable	IP Address	Port	Domain Name	Expire Time (sec)	MWI TTL (sec)
Primary proxy	<input checked="" type="checkbox"/>	<input type="text"/>	5060	<input type="text"/>	120	0
Outbound proxy	<input type="checkbox"/>	<input type="text"/>	5060	<input type="text"/>		

SIP Trunk Configuration

Enable	Register	Number	Account	Password	Display Name
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1008	1008	••••	1008

Forward	Forward Number	Ring Type	Serial Ring Time	Status
Disable	<input type="text"/>	Serial ring	20 (Sec)	No/ No

Port Hunting

Priority	Line Number	1	2	3	4	5	6	7	8
Line1	26801	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line2	26802	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line3	26803	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line4	26804	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line5	26805	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Line6	26806	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Line7	26807	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>					
Line8	26808	<input type="checkbox"/>	<input checked="" type="checkbox"/>						

Apply

Step 2:
 Disable sip register for all lines and apply it.

The screenshot shows the 'VoIP Gateway' configuration interface. On the left is a navigation menu with options like 'Network Configuration', 'General Configuration', 'SIP Setting', 'SIP Advanced Setting', 'Payload Type Setting', 'Line Setting', 'QoS Setting', 'Speed Dial Setting', 'Caller ID Setting', 'CDR Setting', 'Syslog Setting', 'Advanced Configuration', 'Management', and 'Reboot'. The 'Line Setting' option is selected and highlighted with a red box.

The main area displays 'Line Setting' configuration. Under 'Global Setting', 'No Answer Forward Time' is set to 180 and 'FAX' is set to 'Enable'. Below this is a table for individual line settings:

Line	TYPE	Enable	Reg	Number	Hotline	Wait to Hotline (sec)	Forward	Call Waiting	DND	Greeting	Anonymous
Line 1	FXO	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Number: 26801 Account: 26801 Password: Display Name: 26801	<input type="checkbox"/>	0				<input type="checkbox"/>	<input type="checkbox"/>
Line 2	FXO	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Number: 26802 Account: 26802 Password: Display Name: 26802	<input type="checkbox"/>	0				<input type="checkbox"/>	<input type="checkbox"/>
Line 3	FXO	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Number: 26803 Account: 26803 Password: Display Name: 26803	<input type="checkbox"/>	0				<input type="checkbox"/>	<input type="checkbox"/>
Line 4	FXO	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Number: 26804 Account: 26804 Password: Display Name: 26804	<input type="checkbox"/>	0				<input type="checkbox"/>	<input type="checkbox"/>

The 'Reg' column is highlighted with a red box, indicating that the 'Reg' checkbox is unchecked for all four lines, which is the intended configuration to disable SIP registration.

Step 3:

Create a call routing entry for routing to 2608's representative number as below. Reboot it to take effective.

In this example, the call will be route to 260800@192.168.18.2:5076 (5076 is the port number or representative listened).

VoIP Gateway

Network Configuration
 General Configuration
 Advanced Configuration
 ▶ System Setting
 ▶ SNTP Setting
 ▶ Codec Setting
 ▶ Voice Setting
 ▶ Tone Setting
 ▶ Phone Setting
 ▶ Digit Manipulation
 ▶ Dial Plan
 ▶ Call Routing
 Management
 Reboot

Call Routing Editor

Status	Prefix	Min Length	Route To	P2P Address	DM Group
<input type="button" value="Add"/>	<input type="text"/>	<input type="text" value="0"/>	P2P	<input type="text"/>	None
			Backup Route To	Backup P2P Address	Backup DM Group
			None		None

Call Routing List

	Index	Status	Prefix	Min Len.	Route To	P2P Address	DM Group	Backup Route To	Backup P2P Address	Backup DM Group
<input type="button" value="Delete"/> <input type="button" value="Modify"/>	1	ENABLE	260800	0	P2P	192.168.18.2:5076	None	None		None

Appendix B: How to use Http and Ftp provision

Get the http provisioning packet from Welltech and start the provisioning as follows:

Step 1: build mac list for mass configuration file generation

Please open the "wg26 MAC.csv" gotten from Welltecg by using Microsoft Excel, you can refer the picture below. Normally, you should get all required configuration mac list from Welltech and use it for configuration file generation.

	A	B	C	D	E	F	G	H	I
1	\$MACAddress	sip.px0.line0	sip.px0.line0.username	sip.px0.line0.password	sip.px0.line0.display	sip.px0.line1	sip.px0.line1.username	sip.px0.line1.password	sip.px0.line1.di
2	0001a8069829	1000	1000	1000	1000	1001	1001	1001	
3	0001a8069830	2000	2000	2000	2000	2001	2001	2001	
4	0001a8069831	3000	3000	3000	3000	3001	3001	3001	
5									

The wg26 MAC.csv contains most frequently changed parameters as following:

MACAddress: Dynamix DW 26xx MAC Address

sip.px0.line0 ~ sip.px0.line7: tel no for each line

sip.px0.line0.username ~ sip.px0.line7.username: user name for register to SIP proxy for each line

sip.px0.line0.password ~ sip.px0.line7.password: user password for register to SIP proxy for each line

sip.px0.line0.display ~ sip.px0.line7.display: display name for each line

Please save and close it.

Step 2: create a template configuration file

Open the "wg26 Parameter.txt" getting from Welltech and make the required change. Please at least make the changes for those provisioning and SIP proxy settings. For detail, please refer the comments of "wg26 Parameter.txt".

Step 3: Make the change for wgenCfg.ini as follows if necessary

```
# Template File
BaseFile=.\wg26 Parameter.txt
# MAC list file
ListFile=.\wg26 MAC.csv
# 0: Off, 1: On
Encrypt=0
```

Step 4: Generate the individual configuration file.

Double click the "wtgenCfg.exe", it will generate the configuration file for each MAC list in "MAC address.cfg" as the following pictures.

```
C:\> wtgenCfg.exe 1.0.0 (R091006)
18:04:01 L0114 Notice : wtgenCfg.exe 1.0.0 (R091006) start.
18:04:01 L0270 Info   : Read ".\wtgenCfg.ini".
18:04:01 L0271 Info   : [System].
18:04:01 L0289 Info   : Action=0.
18:04:01 L0304 Info   : ToCase=0.
18:04:01 L0315 Info   : BaseFile=.\wg26 Parameter.txt.
18:04:01 L0327 Info   : ListFile=.\wg26 MAC.csv.
18:04:01 L0338 Info   : Default HeadTagPrefix=FmtNo=_wtcfg_.
18:04:01 L0348 Info   : HeadTagSuffix=wg26xx.
18:04:01 L0355 Info   : Encrypt=0.
18:04:01 L0364 Info   : Default EncryptKey=*****.
18:04:01 L0397 Info   : Read ".\wg26 Parameter.txt" 9008 element(s).
18:04:01 L0454 Info   : Read ".\wg26 MAC.csv" 843 element(s).
18:04:01 L0632 Info   : Removed ".\0001a8069829.cfg".
18:04:01 L0665 Info   : Opened ".\0001a8069829.cfg".
18:04:01 L0703 Info   : ".\0001a8069829.cfg" finished 186 record(s).
18:04:01 L0563 Info   :
18:04:01 L0154 Notice : Total 1 file(s) generated.
請按任意鍵繼續 . . .
```

Step 5:

Put the "*.cfg" file into http or ftp directory. Set the provisioning settings in Dynamix DW 26xx and reboot to test it.