

DINSTAR DWG2000E/F/G with Elastix

Setup Guide



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A. Elastix Setup Procedure

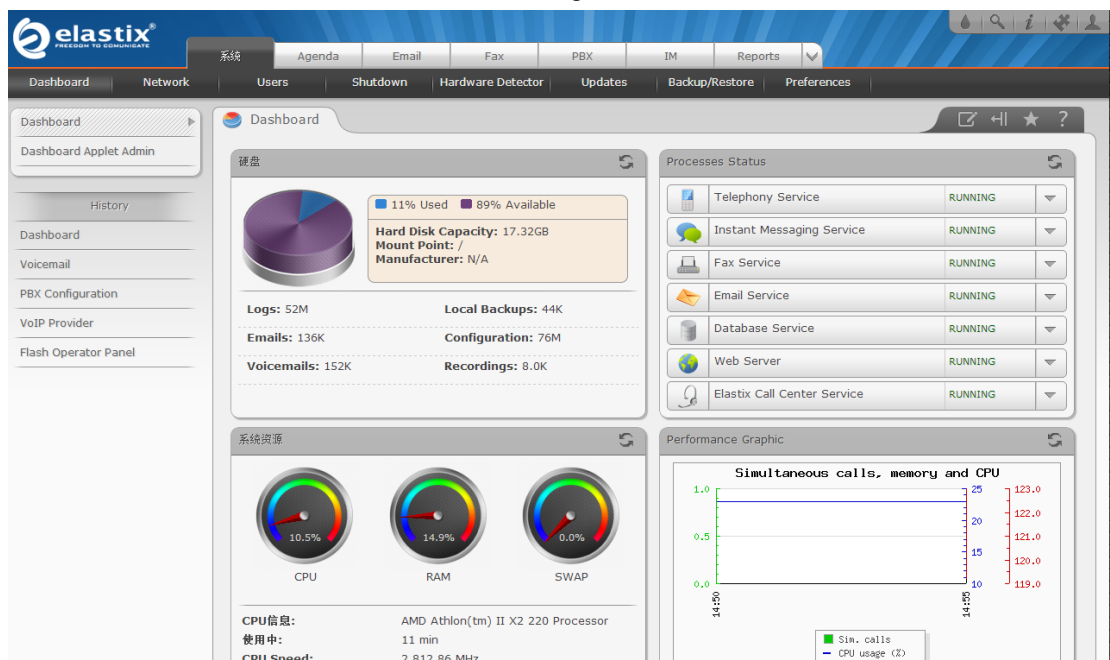
To set up the Elastix Server for the DINSTAR DWG2000E/F/G

A1 Go to the web address of the Elastix Server Login page. The web address is determined by the customer, for this guide we have used the IP address 172.16.33.58

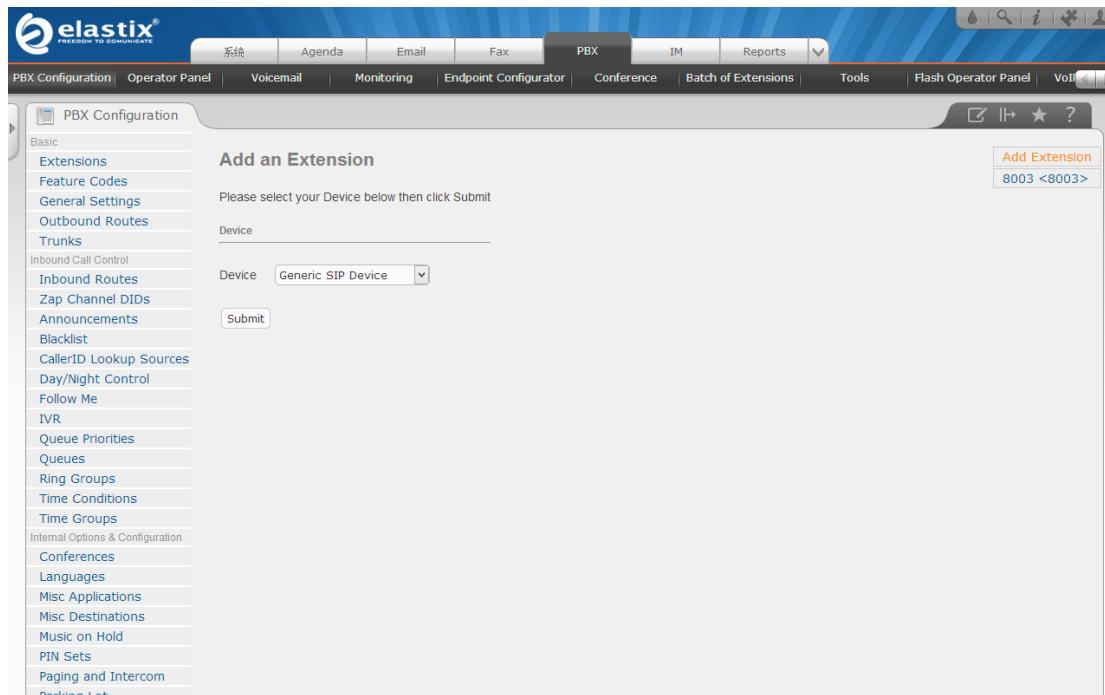


Type the username and password for an administrative user into the Username and Password fields

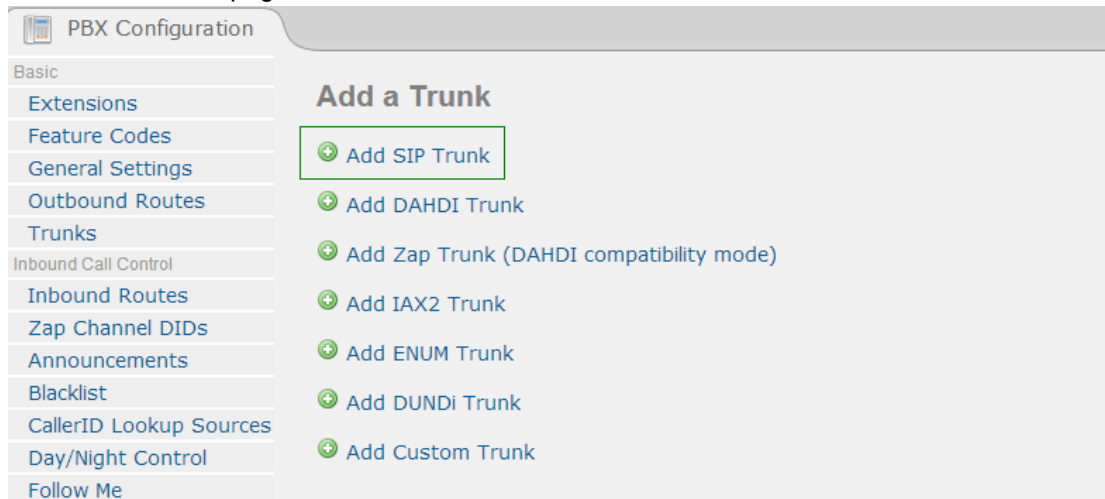
A2 Press Enter or click on the Submit button to go to Elastix's Dashboard



A3 Once inside, click on the PBX tab on the menu at the top of the screen



A4 Click Trunks and Add SIP Trunk menu to create a SIP trunk to DWG. This will take you to the Add SIP Trunk page.



A5 On the Add SIP Trunk page, fill in the following information:

- Trunk name ("gsm" in this example)
- Maximum Channels ("8" in this example)

Add SIP Trunk

General Settings

Trunk Name:

Outbound Caller ID:

CID Options: ▼

Maximum Channels:

Disable Trunk: Disable

Monitor Trunk Failures: Enable

Outgoing settings

- Trunk Name (“gsm” in this example)
- Host (“172.16.222.22” in this example)

Outgoing Settings

Trunk Name:

PEER Details:

```
host=172.16.222.22
type=peer
context=from-pstn
qualify=yes
insecure=no
```

Incoming Settings

- Username (10000 in this example)
- Secret (aos123 in this example)

Incoming Settings

USER Context:

USER Details:

```
host=dynamic
username=10000
secret=aos123
type=friend
insecure=no
qualify=yes
```

A6 Configure outbound route On the Add Outbound Routes page, fill in the following information:

- Route name (“gsm” in this example)

Add Route

Route Settings

Route Name:

Route CID: Override Extension

Route Password:

Route Type: Emergency Intra-Company

Music On Hold?:

Time Group:

Route Position:

Set dial rule with prefix ‘9’ in this example

Dial Patterns that will use this Route

() + | [/]

+ Add More Dial Pattern Fields

Dial patterns wizards:

Trunk Sequence for Matched Routes

0

1

Then click Submit Changes to save the outbound route

A7 Configure inbound route On the Add Inbound Routes page, fill in the following information:

- Description (“gsm” in this example)
- DID Number (“s” in this example)

Add Incoming Route

Add Incoming Route

Description:

DID Number:

Caller ID Number:

CID Priority Route:

Configure destination number of inbound route

- Destination to IVR / Extension (extension "8003" in this example)

Language

Language:

CID Lookup Source

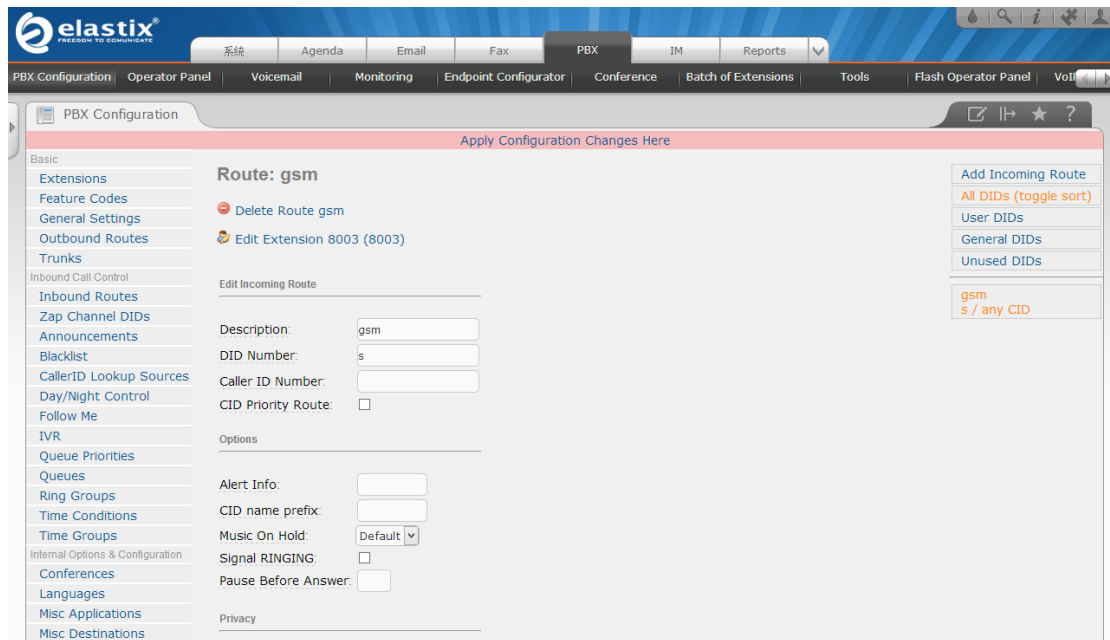
Source: ▼

Set Destination

Extensions ▼ ▼

Then click Submit to save the changes

A8 Apply configuration changes



B. DWG2000E/F/G Setup Procedure

B1 Go to the web address of the DWG2000E/F/G Login page. The web address is determined by the customer, default IP of the gateway is 192.168.11.1, and for this guide we have used the DWG2000E and IP address 172.16.222.22

Authentication Required ✕

The server `http://172.16.222.22:80` requires a username and password. The server says: Web Server.

User Name:

Password:

Default username: admin, Password: admin

The main page of DWG2000E GSM VoIP Gateway

- IP Address (172.16.222.22 in this example)
- Firmware Version (02230801 in this example)

Web Management System

Run Information

MAC Address	F8-A0-3D-48-20-84		
Network Mode	Bridge		
Network	172.16.222.22	255.255.0.0	Static
DNS Server	8.8.8.8	202.96.128.68	
Device ID	db00-0013-0701-1180		
Server Register Status	Not Registered		
License	Valid		
System Up Duration	6 m 18 s		
Network Traffic Statistics	Received 2119447 Bytes	Sent 155896 Bytes	
Version Information	Device Model	DWG2000E	
	Package Version	02230801 2013-07-17 21:15:47 official	
	Software Version	02230801 2013-07-17 21:13:05	

Mobile Information

Port	Type	IMSI	IMEI	Status	Remaining Call Duration	Carrier	Signal Quality	BER	ASR(%)	ACD(s)	PDD(s)	Call Status
0	GSM		863070010384344	No SIM Card	No Limit			0	0	0	0	Idle
1	GSM	460004122170725	863070010384310	Mobile Registered	No Limit	CHINA MOBILE		0	0	0	0	Idle
2	GSM	460020187266423	863070010385747	Mobile Registered	No Limit	CHINA MOBILE		0	0	0	0	Idle
3	GSM		863070010385549	No SIM Card	No Limit			0	0	0	0	Idle
4	GSM		863070011821336	No SIM Card	No Limit			0	0	0	0	Idle
5	GSM		863070011821880	No SIM Card	No Limit			0	0	0	0	Idle
6	GSM		863070011899175	No SIM Card	No Limit			0	0	0	0	Idle
7	GSM		863070011764668	No SIM Card	No Limit			0	0	0	0	Idle

B2 Configure SIP server IP on the System Configuration-> SIP Parameter page

- SIP Server Address (172.16.33.58 in this example)
- SIP Server Port (5060 in this example)
- SIP Register Interval (180s in this example)

SIP Configuration

SIP Proxy

SIP Server Address:

SIP Server Port(default: 5060):

Check Net Status: No Yes

Outbound Proxy

Outbound Proxy Address:

Outbound Proxy Port:

All Ports Register Used Same User ID

No Yes

Use Random Port: No Yes

Local SIP Port:

Is Register

No Yes

Register Interval(range: 1 - 3600s): s

Click the Save button on the bottom of the page

NOTE: It must restart the device to take effect.

Save

Prompt

Parameters OK, setting successfully.

Back

B3 Configure authentication information on the System Configuration-> Port Parameter

- SIP User ID (10000 in this example as configuration of Trunks, Reference A5)
- To VoIP Hotline (DID Number "s" in this example as configuration of Inbound Routes, reference A7)

Port Configuration

Current Port: Port 0

SIP User ID: 10000

Authenticate ID: 10000

Authenticate Password: Show Password

Tx Gain: +2dB

Rx Gain: +6dB

To VOIP Hotline: s

To PSTN Hotline:

Auto-Dial Delay Time: 0 s

Save Back

B4 Modify default port group on the Port Group Configuration page

- Description (“CNMobile” in this example)
- Ports (All ports in the same group as example)

Port Group Modify

Index: 0

Description: CNMobile

Select Mode: Cyclic Ascending

Port:

<input checked="" type="checkbox"/> Port 0	<input checked="" type="checkbox"/> Port 1
<input checked="" type="checkbox"/> Port 2	<input checked="" type="checkbox"/> Port 3
<input checked="" type="checkbox"/> Port 4	<input checked="" type="checkbox"/> Port 5
<input checked="" type="checkbox"/> Port 6	<input checked="" type="checkbox"/> Port 7

B5 Modify default outbound route on the Routing Configuration->IP-Tel Routing page

- Description (To Mobile in this example)
- Destination to Port Group 0 which named CNMobile in this example)

IP->Tel Routing Modify

Index: 31

Description: To Mobile

Source Prefix: any

Source IP:

IP Any

IP Group 31 <Default>

SIP Server

Destination Prefix: any

Destination:

Port 0

Port Group 0 <CNMobile>

B6 Modify default inbound route on the **Routing Configuration->Tel->IP Routing** page

- Description (“To Elastix” in this example)

Tel->IP Routing Modify

Index	<input type="text" value="31"/>
Description	<input type="text" value="To Elastix"/>
Source Prefix	<input type="text" value="any"/>
Source	<input type="radio"/> Port <input type="text" value="0"/> <input type="button" value="v"/> <input checked="" type="radio"/> Port Group <input type="text" value="0 <CNMobile>"/> <input type="button" value="v"/>
Destination Prefix	<input type="text" value="any"/>
Destination	<input type="radio"/> Port <input type="text" value="0"/> <input type="button" value="v"/> <input type="radio"/> Port Group <input type="text" value="0 <CNMobile>"/> <input type="button" value="v"/> <input type="radio"/> IP <input type="text" value=""/> <input type="button" value="v"/> <input type="radio"/> IP Group <input type="text" value=""/> <input type="button" value="v"/> <input checked="" type="radio"/> SIP Server

B7 Enable VoIP Hotline for incoming call on the **Operation->Tel-IP Operation** page

- Source Port (“CNMobile” in this example)
- Operation(enable both Allow Call and Auto Call in this example)
- Description (“VoIP Hotline” in this example)

Tel->IP Operation Add

Index	<input type="text" value="31"/> <input type="button" value="v"/>
Source Prefix	<input type="text" value="any"/>
Source Port	<input type="radio"/> Port <input type="text" value="0"/> <input type="button" value="v"/> <input checked="" type="radio"/> Port Group <input type="text" value="0 <CNMobile>"/> <input type="button" value="v"/>
Destination Prefix	<input type="text" value="any"/>
Operation	<input type="radio"/> Forbid Call <input type="radio"/> Callback <input checked="" type="radio"/> Allow Call <input checked="" type="checkbox"/> Auto Call <input type="checkbox"/> Password Authentication
Description	<input type="text" value="VoIP Hotline"/>