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

	PREEDOM TO DOMUNIDATE
用户名:	admin
密码:	
	提交

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

🔊 elastix 🛛 🗧						6191	i 🛠
	系统 Agenda	Email Fax	PBX	IM Repo	irts 🗸		
Dashboard Network	Users Sł	Hardware Detector	Updates	Backup/Restore	Preferences		
Dashboard 🕨	Dashboard					ि भ	★ ?
Dashboard Applet Admin	硬盘		\$5	Processes Status	3		3
History		🗖 11% Used 🔳 89% Availab	le	Telephon	y Service	RUNNING	-
Dashboard		Hard Disk Capacity: 17.32G	3	Instant M	Messaging Service	RUNNING	-
Voicemail		Manufacturer: N/A		Fax Servi	ice	RUNNING	-
PBX Configuration	Loggi 52M	Local Packuper	14K	Email Ser	rvice	RUNNING	~
VoIP Provider	Eogs: 52M	Configuration: 7	6M	Database	e Service	RUNNING	
Flash Operator Panel	Voicemails: 152K	Recordings: 8.0K	(Web Serv	ver	RUNNING	
				G Elastix Ca	all Center Service	RUNNING	
	系统资源		5	Performance Grap	ohic		G
	(10.5%) CPU	14.9% RAM	0.0% SWAP	5imu 1.0 0.5	iltaneous calls, m	emory and CPU 20 12 20 15 12 12 12 12 12 12 12 12 12 12	3.0 2.0 1.0 0.0 9.0
	CPU信息: 使用中:	AMD Athlon(tm) II X2 220	0 Processor	현	Sin calls	4	
	CPU Speed:	2,812.86 MHz			CPU usage (3 Man usage (3	() MP)	

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

							6 9 i 4 2	
PBX Configuration Operator Papel	系统 Ager	nda Email Monitoring	Fax	PBX IN	Reports	Tools	Elash Operator Papel Vol	
T by conliguration operator rance	Voicemen	Fioriconing	Endpoint Conligurator	concrence	Duction Extensions	10013		-
PBX Configuration							☑ ⊪ ★ ?	
Basic								
Extensions	Add an Exte	nsion					Add Extension	
Feature Codes							8003 <8003>	
General Settings	Please select your l	Device below then	click Submit					
Outbound Routes	Device							
Trunks	Device							
Inbound Call Control								
Inbound Routes	Device Generic	SIP Device	J					
Zap Channel DIDs								
Announcements	Submit							
Blacklist								
CallerID Lookup Sources								
Day/Night Control								
Follow Me								
IVR								
Queue Priorities								
Queues								
Ring Groups								
Time Conditions								
Time Groups								
Internal Options & Configuration								
Conferences								
Languages								
Misc Applications								
Misc Destinations								
Music on Hold								
PIN Sets								
Paging and Intercom								
Parking Lot								

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.

PBX Configuration	
Basic	
Extensions	Add a Trunk
Feature Codes	
General Settings	Add SIP Trunk
Outbound Routes	Add DAHDI Trunk
Trunks	
Inbound Call Control	Add Zap Trunk (DAHDI compatibility mode)
Inbound Routes	Add IAX2 Trunk
Zap Channel DIDs	
Announcements	Add ENUM Trunk
Blacklist	O Add DUNDi Trunk
CallerID Lookup Sources	
Day/Night Control	Add Custom Trunk
Follow Me	

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:	gsm		
Outbound Caller ID:			
CID Options:	Allow Any CID	~)
Maximum Channels:	8		
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:	gsm		
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:	10000
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:	gsm
Route CID:	Override Extension
Route Password:	
Route Type:	Emergency Intra-Company
Music On Hold?	default 🗸
Time Group:	Permanent Route 💌
Route Position	Last after ADFAFD

Set dial rule with prefix '9' in this example

Dial Patter	ns that will	use this Route		
(prepend) + 9	[match pattern	/ CallerId] 🔀
+ Add Mor	re Dial Patte	ern Fields		
Dial patter	rns wizards	(pick one)	v	
Trunk Sequ	uence for M	atched Routes		
0 gsm 1	~			
Submit Ch	nanges			

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:	gsm
DID Number:	s
Caller ID Number:	
CID Priority Route:	

Configure destination number of inbound route

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

Language
Language: en
CID Lookup Source
Source: None 🗸
Set Destination
Extensions 💌 <8003> 8003 💌
Submit Clear Destination & Submit

Then click Submit to save the changes

A8 Apply configuration changes

	无体 Aconda	Empil	Fax	DBY	IM Reports		6 9 i # 1
PBX Configuration Operator Pane	el Voicemail	Monitoring	Endpoint Configurate	or Conference	Batch of Extensions	Tools F	-lash Operator Panel 🔰 VoIf 🔬 👌
PBX Configuration			Apply Configura	tion Changes He	re		☑ ⊩ ★ ?
Basic Extensions Feature Codes General Settings Outbound Routes Trunks Inbound Call Control Inbound Call Control Sacklist CallerID Lookup Sources Day/Night Control Follow Me IVR Queue Priorities Queues	Route: gsm Contest and the second se	03 (8003) gsms 					Add Incoming Route Al DIDs (toggle sort) User DIDs General DIDs Unused DIDs gsm s / any CID
Ring Groups Time Conditions Time Groups Internal Options & Configuration Conferences Languages	CID name prefix: Music On Hold: Signal RINGING: Pause Before Answe	Default V					
Misc Applications Misc Destinations	Privacy						

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:	admin				
Password:	****				
	Log In Cancel]			

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)

DINSTAR	Web Management System				
 System Information Satistics Network Configuration Mohilo Configuration Manipulation Configuration Manipulation Configuration Operation Prank Configuration System Configuration System Configuration System Configuration Joint Map Tools 	Run Information MAC Address Network Network DNS Server Device ID Server Register Status License System Up Duration Network Traffic Statistics Version Information Port Type 0 GSM 0 GSM 4 GSM 4 GSM 4 GSM	F8-00-30-48-20-84 Bridge Bridge 172:16:22222 B.8.8.8 db00-0013-0701-1180 Not Registered Valid 6 m 18 s Received 2119447 Bytes Device Model Package Version Software Version Software Version Software Version Software Version Software Version	255.255.0.0 Static 202.96.128.68 Static Sent 155896 Bytes DWG2000E 02230801 2013-07-17 21:15:47 official 02230801 2013-07-17 21:15:47 official 02230801 2013-07-17 21:13:05 Call ChinA MOBILE CHINA MOBILE CHINA MOBILE CHINA MOBILE CHINA MOBILE		
	7 GSM	863070011764668 No SIM Card No Limit	Ť.,,,,, 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	172.16.33.58
SIP Server Port(default: 5060)	5060
Check Net Status	● No ○ Yes
Outbound Proxy	
Outbound Proxy Address	
Outbound Proxy Port	5060
All Ports Register Used Same User ID	○ No ● Yes
Use Random Port	● No ○ Yes
Local SIP Port	5060
Is Register	○ No ● Yes
Register Interval(range: 1 - 3600s)	180 s

Click the Save button on the buttom of the page

NOTE: It mus	t restart the	device to	take effect.
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	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**)

ort Configuration	
Current Port	Port 0 🗸
SIP User ID	10000
Authenticate ID	10000
Authenticate Password	Show Password
Tx Gain Rx Gain	+2dB v +6dB v
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)

Group Modify		
ndex	0	
Description	CNMobile	
Select Mode	Cyclic Ascending	~
Port	Port 0	Port 1
	✓ Port 2	Port 3
	Port 4	Port 5
	Port 6	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)

>Tel Routing Modify	1	
Index	31	
Description	To Mobile	
Source Prefix	any	
Source IP		Any
	O IP Group	31 <default></default>
	SIP Server	
Destination Prefix	any	
Destination	○ Port	0 🗸
	Port Group	0 <cnmobile></cnmobile>

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

• Description ("To Elastix" in this example)

Tel->IP Routing Modify			
la deu	24		
Index	31		
Description	To Elastix		
Source Prefix	any		
Source	○ Port	0 🗸	
	Port Group	0 <cnmobile></cnmobile>	
Destination Prefix	any		
Destination	○ Port	0	
	○ Port Group	0 <cnmobile></cnmobile>	
		~	
	O IP Group	~	
	SIP Server		
	0.00000		

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	31	v
Source Prefix	any	
Source Port	○Port 0 🗸	
	Port Group 0 <cnmobile></cnmobile>	
Destination Prefix	any	
Operation	O Forbid Call	
	O Callback	
	Allow Call	
	Auto Call 🗌 Password Authentication	
Description	VoIP Hotline	