

MWG1000 Series API

User Manual

Version 1.0

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1. Introduction

1.1 Overview

This protocol allows external programs to control MWG1000 Series to send/receive SMS and send USSD. In this guide, we will take MWG1004 as an example; the same configuration will apply other MWG1000 Series products.

Description:

MWG1004 IP address: 192.168.6.200

2. MWG1004 Configuration

2.1 Login MWG1004 WEB

click System Configuration->Preference, chose FTP or SSH port

General Setting	
General Setting	
Language	English 🗸
Call Progress Tone	● No ○ Yes
IP to GSM One Stage Dialing	○ No ● Yes
Play Voice Prompt for GSM Incoming Calls	● No ○ Yes
FTP parameter	
🛃 Enable	
Port	21
SSH parameter	
l √ l Enable	
Port	22
Web parameter	
I⊈I Enable HTTP	
Port	80
I Enable HTTPS	
Port	443
💾 Save	× Cancel

Figure 2-1-1



2.2 ftp://192.168.6.200

Edit /etc/asterisk/customcfg/manager_custom.conf , Add the below contents:

[extra] secret = extrapwd deny = 0.0.0.0/0.0.0 permit = 192.168.6.0/255.255.255.0 permit = 192.168.7.0/255.255.255.0 read = extrachan write = extrachan

Note :

[extra] --means login namesecret --means login passcodepremit --Only the ip address range can connect. You can set multi-net segment.

2.3 Login MWG1004 WEB, Save Configuration

Select System Configuration->Sip Settings, click save button, click Apply Configuration Changes Here.

Figure 2-3-1



Setting					
Seneral	Network	Codecs			
allowquest		No 🗸			
			No		
pedantic C			No		
alwaysauthreject		No +			
		Tes 🗸			
Bo	NS SRV LOOK UP	p U	No		
m			3600	minexpiry	60
di			120		
u			120		(
qu	ualityfreq 🕕		60	qualitygap 🕕	100
Ou	toound SIP Re	gistrations	20	registerattempts	
рт	D Timorc	•	20		U
rt	ptimeout		60	rtpholdtimeout	300
rt	nkeenalive				
Sta	tus Notificatio	ns			
n	otifyringing 🕦		Yes 🗸		
n	otifyhold 🚯		Yes 🗸		
Ad	vance Settings	5			
se	ession-timers ()	Accept 🗸	session-refresher 🕕	Uas 🗸
se	ession-expires	0	1800	session-minse 🕕	90
D	TMF Mode 🕕		rfc2833 🗸	relaxdtmf 🕕	No 🗸
tr	ustrpid 🕦		No 🗸	sendrpid	No 🗸
co	ontactdeny 🚯			contactpermit	
6	anreinvite A		Ves	audioprefcodec	Ves
			No. V	addioprercodec	165 🗸
us					
US Com	seragent 😈				
CU	sion settings				

3、Via Telnet connect the devices, send and recive SMS

(note : \r\n means ENTER)

3.1 Login

telnet 192.168.6.200 5038 Trying 192.168.6.200... Connected to 192.168.6.200. Escape character is '^]'. Asterisk Call Manager/1.1 Action: Login\r\n Username: extra\r\n\ Secret: extrapwd\r\n\\r\n\ Response: Success Message: Authentication accepted



3.2 Send SMS

Command: gsm send sms <destination> <message> [id] -- span = port + 1 Action: ExtraCommand\r\n\ Command: gsm send sms 2 13206053024 "sms send test" "10DBAC6E3"\r\n\r\n

Response: Follows Privilege: ExtraCommand --END COMMAND--

Event: UpdateSendMsg Privilege: all,extrachan ID: 10DBAC6E3 Status: 1 -- 1 Means send success 0 : means send fail --END MSG EVENT--

3.3 Receive SMS

When the devices are ready to receive the SMS messages, it will advise the logined user Event: ReceivedMsg Privilege: all, extrachan ID: 14295226474263831214 GsmSpan: 5 Sender: 10086 Recvtime: 2015-04-20 17:37:13 Content: %EF%BB%BF%E6%82%A8%E5%BD%93%E5%89%8D%E8%B4%A6%E6%88%B7%E6%80% BB%E4%BD%99%E9%A2%9D%E4%B8%BA18.77%E5%85%83%EF%BC%8C%E5%85%B6%E4%B8% AD%E9%80%9A%E7%94%A8%E4%BD%99%E9%A2%9D%E4%B8%BA18.77%E5%85%83%E3%80% 82+%E3%80%90%E6%B8%A9%E9%A6%A8%E6%8F%90%E9%86%92%EF%BC%9A%E6%AF%8F%E 6%9C%881%E6%97%A5%E6%89%A3%E9%99%A4%E5%A5%97%E9%A4%90%E5%8F%8A%E5%9B %BA%E5%AE%9A%E8%B4%B9%E3%80%82%E3%80%91+%E5%9B%9E%E5%A4%8D%E7%9B%B8 %E5%BA%94%E5%BA%8F%E5%8F%B7%E6%9F%A5%E6%9B%B4%E5%A4%9A%E4%BF%A1%E6% 81%AF%EF%BC%9A+11%EF%BB%BF1%E3%80%81%E4%BD%99%E9%A2%9D%E9%A1%B9%E7%9 B%AE%E8%AF%B4%E6%98%8E+10%E3%80%81%E7%BC%B4%E8%B4%B9%E5%8E%86%E5%8F% B2%E6%9F%A5%E8%AF%A2+141%E3%80%81%E5%A5%97%E9%A4%90%E8%B5%84%E8%B4%B 9%E6%9F%A5%E8%AF%A2+0000%E3%80%81%E5%A2%9E%E5%80%BC%E4%B8%9A%E5%8A%A 1%E6%9F%A5%E9%80%80+%E5%8F%91%E2%80%9C%E6%89%8B%E6%9C%BA%E8%90%A5%E4 %B8%9A%E5%8E%85%E2%80%9D%E4%B8%8B%E8%BD%BD%E5%85%8D%E8%B4%B9%E5%AE% A2%E6%88%B7%E7%AB%AF%EF%BC%8C%E8%BD%BB%E6%9D%BE%E5%AE%9E%E7%8E%B0%E 4%B8%9A%E5%8A%A1%E6%9F%A5%E5%8A%9E%E3%80%81%EF%BB%BF%E4%BA%A4%E8%B4 %B9%E3%80%81%E7%A7%AF%E5%88%86%E5%85%91%E6%8D%A2%E7%AD%89%EF%BC%9B+ %E5%8F%91%E2%80%9C4G%E2%80%9D%E5%8F%AF%E6%9F%A5%E8%AF%A2%E8%B6%85%E5 %BF%AB%E8%B6%85%E5%AE%9E%E6%83%A0%E7%9A%844G%E8%AF%AD%E9%9F%B3%E5%8F %8A%E4%B8%8A%E7%BD%91%E5%A5%97%E9%A4%90%E3%80%82+%E9%A9%AC%E4%B8%8A %E5%85%85%E5%80%BC%EF%BC%8C%E5%B0%B1%E6%8B%A8%E6%89%9310086%E6%8C%892 %E5%8F%B7%E9%94%AE%E5%90%A7%E3%80%82

--END MSG EVENT-



Below is an example using SecureCRT



4、Send USSD

Command: gsm send ussd <message> [timeout] -- span = port + 1 Action: ExtraCommand\r\n\ Command: gsm send ussd 2 "*125#"\r\n\r\n