

AP-GS1002[™] 2-Port FXS GSM Gateway

High Performance GSM Gateway Solution

WEB Setup Guide





Contents

- 1. WEB Connection
- 2. Network Setup
- 3. GSM Setup
- 4. VoIP Setup
- 5. Callback Service
- 6. LCR
- 7. SMS
- 8. Advanced Service
- 9. Monitoring

- 1. Web Connection via Console Port
- 2. Web Connection via LAN 1 Port

1. Web Connection via Console Port



2. Connection Web via LAN 1 Port



LAN 1 Default IP IP Address : 192.168.10.1 Subnet mask : 255.255.255.0

1. It is the way to connect to AP-GS1002 via LAN 1 port

- 2. The factory default of LAN 1 port
 - IP Address : 192.168.10.1
 - Subnet mask : 255.255.255.0
- 3. After set PC with same IP address subnet, connect to AP-GS1002
 - Connect PC to AP-GS1002 using Cross UTP-Cable. You may use Ethernet switch with normal UTP-cable
 - Enter IP address 192.168.10.1 on your web browser

1. The screen of Web connection

onnect to 172.	17.114.80	? ×
		GA
The server 172.1 and password.	17.114.80 at AddPac red	quires a username
Warning: This se bassword be sen without a secure	rver is requesting that y t in an insecure manner connection).	our username and (basic authentication
<u>U</u> ser name:	2	•
eassword:		
	Remember my	password
		201
		Capcel

• The Shown log-in screen is connection to Web page. Please enter the below log-in information

ID : root Password : router

inart Web Mana	941		9, 🖪 🛢 🖨
	🔹 l Bystom Informatio	an .	(Concession of the local division of the loc
+ Line opt	#17 mailes	29	make treating make treatment and wiphignment and
1.100	10 million	119	print red server, but least residuals rise 25/211
Red.	a Ind Protect		-Collection -Collection
Spinic pp	Considering Body	have:	transf. Weginiers Garwellinks I Gal
PUBlisman -	Neperator Natur	ingraved	Rest Lattices (COLLARS) (All
CRANCIDED	hasened to decised		Figure Records
santan ing the second	Participation Contract	TORIGO P.O. Dates Link LW	-
	Lancing frame	Los Dest	
0814.02	Careton Texas	Numerics and taken	
Capital State	System Starting Times	At say 100 000000	
Filming	type have given	1 yana or -arrist	
10.00 -EX (without CR) Californi	TENTIN		

Network Setup

1. Network Setup Screen

stem e	Network Setu	ip			
etwork Setup anguage PTP	Hostname	GS1002			
sic C otocol erver SIP P Registration (S Extension	€ Static IP	IP Address 172.17.109.1 Network Mask 255.255.0.0 Default Router 172.17.1.1 DNS Server	A.B.C.D A.B.C.D A.B.C.D Primary DNS Server Secondary DNS Server	ŗ	
SM Extension FMF/CODEC IP Dial Plan SM Dial Plan atic Pouto	○ pppoe(adsl)	Username Password			
ot Line	C DHCP 9				
vanced C		ID 0			
in & CID M PINs x rvice	WAN Link Control 🛞	© Auto	Speed	C 100	C 10
ltering ecurity EB Callback		O Manual	Duplex	C full	C half
3M Callback	MAC(Hardware) Address		-		

① Network Setup -Hostname : Enter the device name of AP-GS1002 -Static IP -PPPoE(ADSL) -DHCP * Please make sure to press the apply button for saving



- 1. GSM Extension
- 2. FXS Extension
- 3. GSM Dial Plan / Prefix

GSM Setup > GSM Extension

1. GSM Extension -1

ystem	GOW EXLE	151011				
Network Setup Language PPTP	Port Information					
NTP	Pol	t	PO	P1	P2	P3
Basic (SLO	го	GSM	GSM	FXS	FXS
Protocol Server SIP SID Desistration	GSM Extension Co	nfigration				
FXS Extension	Index	Port	Numbers	Preference	HuntStop 😣	Select
GSM Extension DTMF/CODEC						Delete
VolP Dial Plan GSM Dial Plan Static Poute		P0:0 -		0 💌		Apply
Hot Line	GSM Extension wit	h Translation				
Advanced (Port	Destination Pat	iem (Digits to Insert	Number of Digits	s to Delete
Gain & CID GSM PINs	P0:0				0]
Fax Service	P0:1				0	
Filtering Security			1	Apply		

GSM Extension Configuration

- : Register GSM SIM Number
- : Other party's number can be registered with Call back Service
- Index : Sequential number for each extension.
 Existed number makes configuration modified
- Port : Select port to set up
- Numbers : Register SIM number or mobile phone number to use callback service

GSM Extension with Translation

- : Use to convert mobile phone number for callback service
- Destination Pattern : Enter mobile phone number to convert
- Digits to Insert : Insert number to make calling number
- Number of Digits to Delete : Delete number to make calling number

ex) Destination Pattern : 025683848 Digits to Insert : 82 Number of Digits to Delete : 2

Result: 825683848

GSM Setup > GSM Extension

1. GSM Extension -2



Port Information

It displays the information of AP-GS1002 SLOT. You can refer to the above picture

GSM Setup > FXS Extension

2. FXS Extension -1

mart Web Mar	nager						
System		FXS Exte	nsion				
Network Setup Language PPTP	1	Port Information					
• NIP		P	ort	P0	P1	P2	P3
Basic	-	SLO	0T0	GSM	GSM	FXS	FXS
Protocol Server SIP	2	FXS Extension Co	onfigration				
FXS Extension		Index	Port	Numbers	Preference	HuntStop	Select
GSM Extension DTMF/CODEC							Delete
VolP Dial Plan GSM Dial Plan Static Route Hot Line			P0:2 V		0		Apply

① The each port information of AP-GS1002

2 FXS Extension : Set the number of phone on FXS port

- Index : Enter number in order. Please make sure not to be duplicated
- Port : Select FXS port to be set
- Numbers : Enter FXS number
- Preference : Set priority for each number.

If there is the same number at two ports, a port is selected by this priority

- Hunt Stop : It is a function of forward a call to other party in case of unavailable receiving call. Activation of this function is recommended



www.addpac.com

GSM Setup > FXS Extension

1. FXS Extension -2 (Example)

FXS Extension

P	ort	P0	P1	P2	P3
SL	010	GSM	GSM	FXS	FXS
xtension Co	onfigration				
ndex	Port	Numbers	Preference	HuntStop 🥹	Select
		8420 AL 1000		v	
0	0/2	1000	U	^	
0 1	0/2 0/3	2000	1	0	
0 1	0/2	2000	1	0	Delete

- ① Set the number to be used for FXS 0/2 port (ex. 2000)
- ② Set the number to be used for FXS 0/3 port (ex. 3000)
- Setting number on each FXS port is required, so that Dial-tone can be heard on phone.

GSM Setup > FXS Extension

AddPac Digit Structure

%Digit Structure%
 - 9T : All number started with 9 as the first digit
 - 4.. : Three digit number started with 4 as the first digit
 - [2-9]T : All number started with 2 to 9 as the first digit
 - 00[127]T : All number started with 001, 002, 007 as the first digit
 - 00[127]T : All number entered within Inter Digit Time (Default IDT : 3sec)
 ** T : Accept all number entered within Inter Digit Time (Default IDT : 3sec)
 ** Dot(.) : One dot(.) means one digit
 ** [] : The range of number
 ** Rule tranfer%
 - Digit pattern : 025683848 / Digits to insert : 82 / Number of digits to delete : 1 = 8225683848
 - Digit pattern : 00[127]T / Digits to insert : 123 / Number of digits to delete : 2 = 123[127]T
 - Digit pattern : [2-9]4... / Digits to insert : 823848 / Number of digits to delete : 3 = 823848...

GSM Setup > Dial Plan

GSM Dial Plan / Prefix -1

· •							
otocol	Port Infomation						
erver SIP		D-d	50	D4		00	D 2
erver H.323		Pon	PU	PI		P2	PS
PRegistration	s	LOT0	GSM	GSM		FXS	FXS
323 Registration							
	Plan Table 🗐						
TME/CODEC	and the second se	240		1000		1000	1000
IP Dial Plan	Index	Digits to Insert	Number of D	igits to Delete 🥹	Digit I	Pattern 😡	Control
SM Dial Plan	-						Delete
tatic Route							
ot Line	0 🗸						Add
	2						
	Prefix Table						
	Index	Prefix	2nd P	Prefix	PlanIndex	Slot/Port 9	Control
							Delete
					NA -	P0:0 -	Annhy

Dial Plan / Prefix : Setting for making outgoing call to GSM Networks using FXS or VoIP

- ① Plan Table : Outgoing call to GSM network can be made with number conversion
- 2 Prefix Table : it is for outgoing call to GSM Networks. Both 1 Stage and 2 Stage are available
 - 1 Stage : Making call after hearing the first dial-tone. Setting Prefix field is required
 - 2 Stage : Making call after the second dial-tone. Setting 2nd Prefix field is required.

In case of 2nd stage using, the Prefix can be used a number for hearing the Second dial-tone

GSM Setup > Dial Plan

GSM Dial Plan / Prefix - 2 (Example)

Plan Table 😟	መ						
Index	Digits to Insert 9	Number of Digits to Delete	Digi	t Pattern 🥹	Control	\ 	\
0	82	1	02	25683848		It	is required to set the same number on Plan Index of Prefix Table and
0 🗸					Add		Index number of Plan Table
Prefix Table 🥹	0					① Digit to	o Insert : inserted Number
Index	Prefix	2nd Prefix 9	PlanIndex	Slot/Port	Control	Number of Digit Patt	of Digit to Delete : Number of digit to delet
0	т		N.A.	0/0		Digit Fatt	
1	9	т	N.A.	0/1		Drafin	2nd Drafing a Catting mathed of 1 stars and
2	025683848		0	0/0		(2) Prenx	, 2 th Prenx : Setting method of 1 stage and
				-	Delete	Stuge	
0			N.A.	P0:0 💌	Apply	(ex : Pref immediat Prefix - 9 method t	fix - T ¤ 1 stage method - Forward call eely , 2 nd Prefix - T ¤ Whe press 9, it is the o press dial after hearing 2 nd dial-tone
						PlanIndex SlotPort :	: Set index applied for Plan Table Set GSM port

Direct Incoming call

GSM Setup > Hot Line -1

System (•	Hot Line		
Network Setup Language PPTP	1	Hot Line Configuration		
NTP		Port	Hot Line Number 😉	Digit Input Timeout <0~10 sec> 🥹
Basic (-	S0P0(G)		n.a.
Protocol Server SIP		S0P1(G)		n.a.
SIP Registration FXS Extension	1	S0P2(S)		
GSM Extension DTMF/CODEC		S0P3(S)		

- ① Hot Line Configuration : Connect incoming and outgoing call directly
 - Port : It means GSM and FXS port
 - Hot Line Number : Forward call to entered number
 - It connects to the number of GSM port in case of receiving call (Direct Incoming call)
 - Digit Input Timeout : Time to make call to the Hot Line Number when user doesn't any action after off-hook

VoIP Setup

- 1. Server SIP
- 2. SIP Registration
- 3. DTMF/CODEC
- 4. VoIP Dial Plan
- 5. Static Route

VoIP Setup

1. Server SIP -1

stem	 SIP (Session Initiation Protocol)
Network Setup Language PPTP	Use SIP Server I O Yes I No
VIP	Primary SIP Server Primar
Basic Protocol	Secondary SIP Server (46 Server address (P or Domain Name) and Port (46 Server address (P or Domain Name) and Port (46 Server 5060)
Server SIP SIP Registration	Local Domain name (SIP userpart of authentication)
FXS Extension GSM Extension DTME/CODEC	SIP Signaling Port (equation 5060) (default 5060, between 1 to 65535)
/oIP Dial Plan GSM Dial Plan	Register Expiration 60 (in seconds, default 60, between 10 to 86400)
Static Route Hot Line	Session Re-Fresh INVITE C UPDATE
Advanced	Session Expire Time (in seconds, default 1800, between 30 to 86400, 0 = disable)
Gain & CID GSM PINs Fax	Click

1 SIP Server

-Use SIP Server : Select using SIP Server. Please click "Yes" to use SIP server

-Primary SIP server : Enter IP address of Primary SIP server

-Secondary SIP Server : Enter IP address of Secondary SIP server. The secondary server is activated when Primary SIP Server is not available

-Local Domain name : Enter local domain when it is required on server authentication

-Default setting is recommended for other field

AddPac

www.addpac.com



2. SIP Registration -1

ystem 😑		SIP Re	gistration					
Jetwork Setup .anguage PPTP	1	SIP Registra	ation Configuration					
115	4	Port	E.164 Number 🥹	User Name 🥹	Password	DisplayName 😣	Reg	HuntStop
asic 🗢		S0P2						
Protocol Server SIP		S0P3						

① SIP Registration Configuration

-E.164 Number : Enter SIP authentication number

-User Name : Enter authentication ID

-Password : Enter authentication Password .

-Display Name : Use it when virtual number

-Reg : Checking this field is required to get authentication from SIP Server

-Hunt Stop : Forward call to other party when port is unavailable. It is recommended to use it.

VoIP Setup

2. SIP Registration -2 (Example)

Smart Web Manager		άl)	12.2				🍳 🖸 븕 ᄅ		AddPac Technology Model : GS1002_G2
System • • Network Setup • • Language • PPTP	SIP Registration						AddPac Technology Model : GS1002_G2 H/W Version : 2.0		S/W Version : 2.0 S/W Version : 8.00g Smart Web Version : 0.4 Smart Web Build : Apr 13 2010 Voice Interface
NTP Basic Protocol Server SIP	Port@ E.164 Number@ S0P2 8888 S0P3	User Name 🕑	Password 🕑	DisplayName (9)	Reg 🥹	HuntStop)	S/W Version : 8.00g Smart Web Version : 0.4 Smart Web Build : Apr 13 2010 Voice Interface G(2)S(2) Protocol : SIP Status : Registered	_	G(2)S(2) Protocol : SIP Status : Registered CurrentCalls: 0 Call
SIP Registration FXS Extension GSM Extension DTMF/CODEC VolP Dial Plan GSM Dial Plan Static Route	Apply Click	2					CurrentCalls: 0 Call Network : Static 172.17.109.1 Mac Address: 0002.a400.0000 Unread Message: P0:0(0) P0:1(0)		Mac Address: 0002.a400.0000 Unread Message: P0:0(0) P0:1(0)

1 Please click the apply button after enter information of SIP Registration

- You may check status of registration with reload web page using F5 key

AddPac

Information

VoIP Setup

3. DTMF/CODEC

System	•	DTMF/CODEC		
Network Setup			·	
Language PPTP			Preference 1 None	
NTP			Preference 2 None	
	<u></u> Ог		Preference 3 None	
Basic	•	Voice CODEC	Preference 4 None	
Protocol			Preference 5 None	
Server SIP	1		Preference 6 None	
SIP Registration				
CSM Extension			C DTMF relay by In-band voice	
DTME/CODEC	<u> </u>	DTMF Relay mode	C DTMF relay by RTP payload defined by RFC 2833	
VolP Dial Plan			 DTMF relay by Out-of-band signal 	
COM Dial Plan			O DTMF relay by Cisco out-of-band signal	

①Video Codec -Select voice codec to be used

② DTMF Relay modeSelect DTMF relay mode.(Default : Out-of-band Signal)

* Please press the apply button to save

g711alaw : G711 a-law Codec Type(64 kbps) g711ulaw : G711 u-law Codec Type(64 kbps) g7231r53 : G723.1 Codec Type(5.3 kbps) g7231r63 : G723.1 Codec Type(6.3 kbps) g726r16 : G726 ADPCM Type(16 kbps) g726r32 : G726 ADPCM Type(32 kbps) g729 : G729 Codec Type(8 kbps) None



4. VoIP Dial Plan -1

tem 😑	VolP Dial	Plan / Prefix			
twork Setup nguage TP P	1 Plan Table 9				
े. 	Index	Digits to Insert 🎱	Number of Digits to Delete 🧕	Digit Pattern 🥹	Control
sic 😑					Delete
otocol rver SIP ? Registration	0 -				Add
S Extension SM Extension	2 Prefix Table®				
IP Dial Plan	Index		Prefix	PlanIndex	Control
M Dial Plan					1

- 1 Plan Table
 - Digits to Insert : Number you want to enter
 - Number of Digit to Delete : Number of digit to delete
 - Digit Pattern : Number to apply for conversion
- 2 Prefix Table
 - Prefix : Number to make VoIP call
 - Plan Index : Make the same number with Plan table



4. VoIP Dial Plan -2 (Ex)





5. Static Route -1

Smart Web Manage	er j
System C • Network Setup • Language • PPTP • NTP	Set Remote Site Call(5-digit number is set to begin *2->*2)
Basic C • Protocol server SIP • SIP Registration FXS Extension • FXS Extension OSM Extension • DTMF/CODEC VOIP Dial Plan • GSM Dial Plan Static Route • Hot Line	No Remote Site IP Prefix Insert Digit Delete Digit Name of Remote Site Answer Addr Control *

① Static Route : : User can forward call to other party after enter IP address of them. It can be done without SIP Server or other system

-Remote Site IP : Enter IP address of other party device

-Prefix : Enter number of other party

-Insert Digit : Enter number of digit to add

-Delete Digit : Enter number of digit to delete

-Name of Remote Site : Enter name of other party'



5. Static Route -2 (Ex)

Smart Web Manager								
System	e Is	tatic Route						
Network Setup Language PPTP	Set	Remote Site Call(5-digi	t number is set to I	begin *2->*2)				
• NIP	No	Remote Site IP 🥹	Prefix	Insert Digit 🥹	Delete Digit	Name of Remote Site 🥹	Answer Addr	Control
Basic	e o	172.17.110.85	025683848	82	2	AddPac		
Server SIP								Delete
SIP Registration FXS Extension	*		[M	Apply
GSM Extension DTMF/CODEC			A				Click	\leq
VolP Dial Plan							TW	l l
GSM Dial Plan Static Route							•	
Hot Line								

* Please press the apply button to save

Callback Service

- 1. WEB Callback Service
- 2. GSM Callback Service

Callback Service

1. WEB Callback Service



Callback Service

1. GSM Callback Service



GSM Callback Service

: The mobile user listed on the Callback white list can receive call back after disconnect the call by AP-GS1002

Callback Service > WEB Callback

1. WEB Callback Service -1

dvanced 😑	GSM WE	B Callback		
Gain GSM PINs	Calling Number	r Whitelist 😡		
Fax	in	dex \varTheta	DiaPattern 😣	Control
Service	_			Delete
Filtering		• •		Add
Security SNMP	WEB Callback	2		
WEB Callback		Destination Numbers 😣	Source Numbers 😣	Control
GSM Callback				Apply

① Calling Number White List : Enter number of WEB Callback user

- Index : Sequential Index number. Entering the existed number updates the same field.
- DialPattern : Enter number to register to use WEB Callback Service

2 WEB Callback :

- Destination Number : Enter number to receive call
- Source Number : Enter number of call maker. It must be the same as Dialpattern number
- Apply : Connect call between sender and receiver. Waiting tone is heard until call connected

$\ensuremath{\overset{\scriptstyle\frown}{\times}}$ You must need CID Enable to use Callback service.



Callback Service > WEB Callback

1. WEB Callback Service -2 (Ex)



Callback Service > GSM Callback

1. GSM Callback Service -1

Gain	① C	alling Number Whitelist 🎯			
GSM PINs		Group	Index	DialPattern 😟	Control
Fax					Delete
Service		3 👻	0 🗸		Add
Filtering					
Security	c	allback			
		0		M. Number	Mahallari int Conus 🚱
SNMP		GSM Port		my Number	whiteList Group
SNMP WEB Callback		GSM Port 9		my Number 🥪	N.A.

① Calling Number White List : Enter number to use GSM Callback

- Group : Enter Group Number (default : 3)
- Index : Sequential Index number. Entering the existed number updates the same field.
- DialPattern : Enter mobile phone number to use callback service

2 Callback :

- White List Group : Enter group number of port to be used

Callback Service > GSM Callback

1. GSM Callback Service -1 (Ex)



1. LCR(Least Cost Routing)

Black List & White List : The function to reject and to accept calling for specific number

GSM LCR Time Interval : The function to allow user to make call on GSM networks at specific time

GSM LCR Time Tariff : The function to check the available time and used time. Set Restore Call limit

GSM LCR Simulator : The function to test call function to virtual number via WEB GUI

1. Black List / White List-1

	G	SM LCR / Black List &	White List	
LCR C		:kList9		
Black & White List		Index	DialPattern 🥹	Control
Time Interval Tariff Group				Delete
LCR Test		0 🗸		Add
	2 Whi	iteList		
		Index	DialPattern 🥹	Control
				Delete
		0 -		Apply
	0			

- ① Black List : Reject call from specific number
 - Index : Sequential Index number. Entering the existed number updates the same field.
 - DialPattern : Set number to reject

2 White List : Allow call from specific number

- Index : Sequential Index number. Entering the existed number updates the same field.
- DialPattern : Set number to allow

1. Black List / White List-1 (Ex)



1. Time Interval-1

LCR 🗢	1	GSM LCR / T	Time Interval Group			
Black & White List	1	TimeInterval 😟	Davs 9	StartTime(hh:mm) 9	EndTime(hh:mm)	Control
LCR Test		Croup C	Duys -	Sarrino(m.nn) -	Line (m.inn)	Delete
		0 🗸	weekend 👻	0 - 0 -	0 • 0 •	Add

① Time Interval : Set date and time to use LCR

- Group : Set Time Group (Default : 0)
- Days : Set day to apply LCR

(weekdays / weekend / Monday / Tuesday / Wednesday / Thursday / Friday / Saturday / Sunday)

- Start Time : Set time to start (hh:mm)
- End Time : Set time to end (hh:mm)

1. Time Interval-2(Ex)

SM LCR / T	ïme Interval Group				Description Group 0 : Available time is Monday to Friday, 9AM to 6PM
Group	Days	StartTime(hh:mm)	EndTime(hh:mm)	Control	
0	Weekdays	09:00	18:00		
1	SUN	10:00	13:00		
1	SAT	10:00	13:00	[17]	
				Delete	Description
0 🗸	weekend 👻	0 🗸 0 👻	0 • 0 •	Add	Group 1 : Available time is Saturday and Sunday, 10AM to 1PM

1. Tariff Group-1

Time Interval	_	-		Restore	Call Limit	Accou	ting Period	Free	Quota	
Tariff Group		Group	Time Group 🧐 👘	Туре 🥹	RestoreDay	First(sec)	Others(sec)	Voice(min)	SMS(E.A.)	Control
LCR Test										Delete
		0 🗸	0 🗸	daily -	1 🔻					Add
	2	TariffPort								
			Port				Tariff	Group		
			P0:0				N	A. 🔻		
			P0:1				N	A. 👻		
			P0:2				N	A. 👻		
			P0:3				N	A. 🔻		

- 1 Tariff Group : Set Time Group and toll-free limitaion
 - Group : Generate group
 - Time Group : Select group generated at Time Interval
 - Restore Call Limit : Set point to restore set limitation
 - Accounting Period : Tim period to charge (sec)
 - Free Quota : Set toll-free time (min)
- 2 Tariff Port : Apply information on Tariff Group to specific port

1. Tariff Group-2 (Ex)

iff Group 🧐								- Restore Day : Set date Accounting Period
-		Restore	Call Limit	Accou	ting Period	Free	Quota	- First : Initial period to charge
roup 🧐	Time Group 🧐 📑	Туре 😡	RestoreDay 😣	First(sec)	Others(sec)	Voice(min)	SMS(E.A.)	the initial period
0	0	monthly	1	30	10	300	100	Free Quota - Voice : Toll-free call time
0 -	0 -	daily 👻	1.					Add
iffPort 🧐								
	Port				Tariff	Group		Tariff Group : Set group to port
	P0:0				0	•		
	P0:1				N	A. 🔻		

1. LCR Test -1

Caller:	
Called Number: 🥹	Start
	Called Number: 9

① LCR Test : The function to make call to virtual number for testing

- Caller : Enter number of sender
- Called Number : Enter number of receiver
- GSM Networks status can be monitored to make virtual call

∟⊼) LCR Test⊛		
Caller:	1000	Problem can be monitored to make
Called Number: 🥹	2000	virtual call
 2 > LCR :== GSM LCR(i 3 > LCR :== ordinate and the second se	Least Cost Route) Simulator Start == 1000(GSM) -> dst digits : 2000(GSM) iccess After Sorted <0> id(4584) dest(T) prefer(0) selected(1) id(4584) dest(T) de by Time Interval Restriction	



1. SMS -1

ſ	GSM SMS	/ InBox			
				number of messages are 0	P0:0 - OK
SMS 🗢	Index	Sender	Received	Message	Select
SMS Inbox			< >		Delete
SMS SentBox	1				
SMS New Message			받은 메시	지들이 저장됩니다.	
SMS Failed Box					
0		Cont Day			
<u>ب</u>	GSM SMS	Sent Box			
				number of messages are 0	P0:0 V OK
	Index	Sender	Received	Message	Select
			< >		Delete
			보낸 메시	니지들이 저장됩니다.	

% The number of message can be stored in InBox, Sent Box and Fail Box is 17



1. SMS -2

SMS O	Phone Number Message Port	
SMS Inbox SMS SentBox	Send 메시지를 보낼 수 있습니다.	
SMS New Message SMS Failed Box		
2	GSM SMS / Failed Box]
	Index Sender Received Message Select	
	< > Delete	
	실패한 메시지들이 저장됩니다.	

% SMS Support Language : Korean, English, Russian, Spanish and Portuguese

- 1. NTP
- 2. Gain & CID
- 3. GSM Pins
- 4. GSM Band
- 5. BTS
- 6. FAX
- 7. Service
- 8. Filtering
- 9. Security

1. NTP

System	•	NTP		
 Network Setup 			C Enable • Disable	
 Language 			Primary Server	(Domain Name or IP Address)
• PPTP		NTP	Secondary Server	(Domain Name or IP Address)
• NTP			Interval	1~72 hours)
			Hours Offset	(-23~23 hours) : (0~60 minute)
			12	
		Apply Clic		
		- 7		

1 NTP : Input information of NTP Server

- Click the apply button for NTP activation
- Primary Server : Input IP or domain name of NTP Server
- Interval : Interval to request and receive data from NTP server
- * Please click the apply button after set up

-18 2. Gain & CID -17 -16 -15 -14 -13 1 Gain & CID. -12 Advanced 0 -11 Gain & CID -10 Gain -9 GSM PINs InputGain OutputGain Caller ID Port Port Type -8 Fax 0 💌 P0:0 GSM 0 --7 Service -6 0 -0 -P0:1 GSM -5 Filtering 0 -0 -• P0:2 FXS -4 Security 0 -0 -2 P0:3 FXS -3 WEB Callback -2 GSM Callback -1 Click Apply 0 1 2 (1) Gain & CID : Adjustment output voice level of each port(GSM, FXS) 3 (You may reduce the level when echo and noise occured) 4 5 In addition, call number can be detected by Caller-ID 6 - Input Gain : Please adjust input gain when sending call is too loud or too low 7

- Output Gain : Please adjust output gain when receiving call is too loud or too low
- Caller-ID : It is a function to display number of callers

* Please click the apply button after set up

AddPac

8

q

3. GSM PINs

Gain & CID GSM PINs	PINs		
Fax	Port	PIN for SIM card	
Service	80.0		
Filtering	F0.0		
Security	P0:1		
WEB Callback			
GSM Callback			

4. GSM Band

miscenarieous 🚽		
Call Status	Port	Band Selction Mode
System Status	P0:0	Auto
 GSM Status 	P0:1	Auto
 Call Log 	P0:0 👻	Auto
System Log		Auto
Ping	Apply	GSM 900Mhz+DCS 1800Mhz GSM 900Mhz+PCS 1900Mhz
GSM Band		GSM 850Mhz+DCS 1800Mhz GSM 850Mhz+PCS 1900Mhz
 BTS Selection 		
GSM BTS Info		

GSM Band Selection : Setting for bandwidth of GSM Networks

- Auto (Default)
- 900Mhz + DCS 1800Mhz
- 900Mhz + PCS 1900Mhz
- 850Mhz + DCS 1800Mhz
- 850Mhz + PCS 1900Mhz

5. BTS(Base Terminal Station) -1

Call Status	Port	BTS Selction Mode	BCCH	RSSI & Timer
System Status	P0:0	Auto	N.A.	N.A.
GSM Status	P0:1	Auto	N.A.	N.A.
System Log	P0:0 -	Auto 💌		-10 dB 👻 0 sec 👻
Ping	Apply	BCCH		
GSM Band		RSSI		

BTS Control : Setting for selection method of BTS cell

- Auto (Default) : The most highest power cell will be selected
- BCCH : Choose specific cell by entering BCCH value manually
- RSSI : Choose cell which has specific RSSI level
 - Cell will be selected in accordance with set interval

5. BTS(Base Terminal Station) -2



BTS Cell Information

: The information of serve cell and neighbor cell can be shown

AddPac

www.addpac.com



① Fax : Setting the property of FAX mode

- Fax Mode :
 - T.38 : FAX signal is being sent by T.38 packet with new session opening. In case of using T.38, FAX Rate is needed to be set
 - Bypass : FAX signal is being sent by RTP. FAX Rate setting is not required
- Fax Rate : Setting FAX transmit rate. Default is 9600bps and the range is from 2400bps to 14400bps

* Please click the apply button after set up

7. Service

Advanced	Service		
• Gain & CID		🔽 Enable Telnet	Server Port 23 (default 23, 1-65535)
GSM PINs Eav	Application	Enable HTTP	Server Port 80 (default 80, 1-65535)
Service Filtering	Services 🐨	Enable FTP	Control Port 21 (default 21, 1-65535) Data Port 20 (default 20, 1-65535)
Security	Timer	Inter Digit Time	3 sec (default 3, 1-600)
WEB Callback CSM Callback		Transfer	C Hook-Flash Not-assigned
- GSWI Caliback	Call Service	Hold	C Hook-Flash • Not-assigned
	SIP Transfer 🥹	Mode	€ blind C Attended
	Apply	Click	

1 Service : Set extra features

- Application Services : The port setting for each Telnet , HTTP, FTP
- Timer : Adjust digit time for phone connected to AP-GS1002
 - Set time limitation between Digit and Digit
- Call Service : Call-Transfer Set Activation and Call-Hold function

(Hook-Flash - Activate , Not-assigned - Inactivate)

- Transfer Mode : AP-GS1002 supports blind mode and attended mode. To use this function, call transfer mode must be activated.

* Please click the apply button after set up

8. Filtering

Advanced 🗢	Filter		
Gain & CID GSM PINs	FTP Filter		
Fax Service Filtering	Network Addr	Network Mask	Control Click
VEB Callback GSM Callback	Network Addr 172.17.109.109	Network Mask 255.255.0.0	Control Delete
	Telnet Filter		Add
	Network Addr	Network Mask	Add

① Filter : Setting IP address authorized by administrator for connection

- FTP Filter : The only device with the IP address authorized by administrator can access FTP connection
- HTTP Filter : The only device with the IP address authorized by administrator can access WEB connection
- Telnet Filter : The only device with the IP address authorized by administrator can access Telnet connection

* Please click the apply button after set up

9. Security

GSM PINS Fax	IP Filtering 9	C Enable © Disable
Service Filtering	WarDialing Filtering	C Enable © Disable
WEB Callback	Allow Digit Length(IP to PSTN)	Min Max
GSM Caliback	SIP Shutdown	C Enable © Disable

- 1 Security : Set security to block unauthorized call
- IP Filtering : The only call made from the device with IP address listed on AP-GS1002 is available to make call
- War Dialing Filtering : The only receiving call listed on dial plan is available to make call
- Allow digit Length(IP to PSTN) : The only receiving call within range of set number is available to make call
- SIP Shutdown : Set using SIP Signaling. It must be enabled with SIP communication

* Please click the apply button after set up

- 1. Call Status
- 2. System Status
- 3. GSM Status
- 4. Call Log / System Log
- 5. Ping

1. Call Status



Call Status : The status of AP-GS1002 port and call can be monitored in real-time

- ① Port Status : Monitoring AP-GS1002 port
- (2) Call Status : Monitoring call status

2. System Status



System Status : The system status of AP-GS1002 can be monitored

3. GSM Status

Miscellaneous	•						
 Call Status 							
 System Status 							
GSM Status		GSM S	tatus				
 Call Log 							
 System Log 		GSM Port S	tatus & Information ⁽⁹⁾				
• Ping			0	Device II	fomration	Accouting (Use	d/Quota/Free)
GSM Band		Роп	My Phone Number 🧐	Register Status	Signal Strength	Voice Quota(secs)	SMS Quota(E
		P0:0		UNREG	0dB	0/-1/-1	0/-1/-
BIS Selection		P0:1		REG	0dB	0 / -1 / -1	0/-1/-
 GSM BTS Info 							

GSM Status : GSM Networks status, Usage can be monitored

4. Call Log / System Log

Miscellaneous -	7	
Call Status	CallNum EventTime Descript CallingFartyNum CalledFartyNum H	RemoteInfo SetupTime Dur Reason
System Status	<pre>< 2> Apr 21 13:10:58 local 1000 2000 < 1> Apr 21 13:10:52 incomming 500 2000</pre>	: 0 Local:Manageme : 0 Local:Manageme
GSM Status	Coll Log . Monitoring all of coll history	
 Call Log 	Call Log : Monitoring all of Call history	
Call Log System Log	Call Log : Monitoring all of Call history Call history will be clear with	rebooting
Call Log System Log Ping	Call Log : Monitoring all of Call history Call history will be clear with	rebooting
Call Log System Log Ping GSM Band	Call Log : Monitoring all of Call history Call history will be clear with	rebooting
Call Log System Log Ping GSM Band BTS Selection	Call Log : Monitoring all of Call history	rebooting
Call Log System Log Ping GSM Band BTS Selection GSM BTS Info	Call Log : Monitoring all of Call history Call history will be clear with	rebooting
Call Log System Log Ping GSM Band BTS Selection GSM BTS Info	System Log ©	rebooting

System Log : Monitoring AP-GS1002 System log Default setting is off. System log can be monitored by telnet connection and entering CLI command is required (Please contact to AddPac technical support team for more detail)

5. Ping



Ping : Network status can be checked by pinging

Thank you