

ICW-1000 Global Admin's Manual



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Manual Introduction

Before use, kindly read this "Administrator Manual" thoroughly to have an understanding of the contents.

After reading, place it within reach at all times such as at the side of this product.

This manual is for administrator who has working knowledge of fundamental terms and concepts of computer networking, converged voice and data networks to include LANs, WANs, and IP switching and routing.

Safety Precautions

Since this is provided to make safe and right use of ICW-1000G to prevent any accidents or risks, be sure to carefully read it, follow instructions, and keep it where it is easily noticed.



This mark is intended to warn users of the risk of a serious injury or death when they violate instructions.

Do not put ICW-1000G in heating appliances such as heaters and microwave ovens to dry them if they are wet. It can cause explosions, deformation, or troubles. In this case, free services shall not be provided.

Do not use ICW-1000G in places that are too hot or too wet (keep them indoors between 0 $^{\circ}$ C and + 50 $^{\circ}$ C). If they get wet with rain, have drinks spilled, or are used in extremely hot/wet places such as public sauna bathroom, it can cause battery explosions.

Put ICW-1000G and chargers in places out of reach of children or pets. If one puts batteries his or her mouth, or uses broken batteries, it can hurt his or her body, or cause electric shocks.

Do not disassemble ICW-1000G, or apply shocks to them as you please. If they get damaged while you disassemble them, or inflict shocks on them, you cannot have free services.

You should stop charging the phone and separate it from battery if the phone is overheating during charging the phone. Doing so may get burned.

W Be aware of much ESD (Electrostatic Discharge simulator) environment. The product may have the abnormal condition

Be sure to use designated batteries and accessories only for ICW-1000G provided by our company. If you use unauthorized batteries or accessories, it can reduce the life of ICW-1000G, cause explosions, or damage them. In this case, you cannot have free services.

Be careful for conductors such as necklaces, keys, and coins not to contact battery terminals (metal section). Since short circuits can cause explosions, be careful for such events never to take place.

Neither throws batteries, which can inflict shocks on them, nor put them near to heating appliances such as heaters and microwave ovens. It can cause the leak of battery contents, or explosions.

Use standard chargers that obtained INCOM authentication for batteries. Otherwise, batteries will have their life reduced, face explosions, or damage ICW-1000G. In this case, free services shall not be provided.

Refrain from the use of ICW-1000G, and leave the power cord of chargers unplugged when thunders and lightening are severe. Thunderbolts can cause severe physical injuries, or fires.

Do not hold ICW-1000G to your ears to turn on the power. It can cause hearing impairments, or physical injuries. Do not look at the infrared window in a direct way when using remote control. It can cause visual impairments.

Do not use chemical detergents such as benzene, thinner, and alcohol to clean ICW-1000G. It can cause fires.

Never push the power button when ICW-1000G are wet, nor touch ICW-1000G, chargers, or power cords with wet hands. It can cause fires or electric shocks.

▲ Precautions

This mark is intended to caution users against violating instructions since it can cause a slight physical injury or product damage.

Correctly install ICW-1000G in compliance with instructions. Otherwise, it can cause an abnormal operation of ICW-1000G, or reduce their life.

We aware of radio interference. Since this radio equipment can have radio interference, services related to life safety are not provided.

Do not install ICW-1000G in places exposed to direct sunlight, and on carpets or cushions. It can cause fires or troubles.

Do not install ICW-1000G in narrow places with poor ventilation, or near heat sources. It can cause fires or troubles.

Do not install ICW-1000G in places with much dust. It can cause operational problems, or reduce phone life.

Install ICW-1000G on flat places, not on shelves or slopes. Otherwise, it can hurt you, or cause troubles when they drop.

Since emergency calls are available only within call coverage, check in advance whether or not calls are available.

Do not use ICW-1000G covered wrap or vinyl. Coating can be removed.

Record and keep the information contained in ICW-1000G separately.

Since the important information stored in ICW-1000G can be removed due to unavoidable circumstances such as users' carelessness, maintenance, and product upgrade, please keep a record of important information. Take note that manufacturer will not take responsibility for any damage from the loss of information. If batteries are not used for a long time, keep them at room temperature after charging.

If you want to use again after leaving them for a long time, it is recommended to use them after fully charging.

Keep in mind that ICW-1000G can produce much heat while using for a long time.

Do not install ICW-1000G in heavily shaking places. It can cause performance degradation, or reduce the life of products.

After using ICW-1000G for a long time, they can produce a weak sound due to their liquid crystal protective vinyl covering the speaker.

If ICW-1000G is separated from AP or chargers for a long time, they cannot work due to battery discharge.

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Basics

1

ICW-1000G at a Glance



Basic Key Function

Key Name	lcon	Basic functions	
Navigation key		Navigation Key – In the idle state, this button opens each	
	◄ ok ►	function. Within a menu or a list, you can use this as	
		direction keys.	
Left selection key	• I • P	Left selection key – Search WLAN key / Scroll up in the menu	
Right selection key		list.	
		Right selection key – Search grouped phone book.	
Send key		Equivalent to "Answer" on a standard phone and	
	SERIO	"hold" during a call.	
End key		Equivalent to "hang up" on a standard phone. Return to idle	
		state. Pressing and holding the key in the idle	
		state turns the handset On/Off.	
OK key	OK	Confirmation(OK), Select, View, Connect on each	
		display screen	
Search phonebook key		Search phonebook, trace call history and storage phonebook/ Scroll up in the menu list	
Alarm key		Setting up alarm and wakeup call / Move to	
,		left in the menu.	
Setting key	•	Set phone settings / Scroll down in the menu list	
Message key		Using message function/ Move to right in the menu.	
Speaker key	■ ())	Using speaker function	
Mute key	¢	Mute key is used when calling on the phone.	
	14	Pressing the key during a call turns "Mute" mode.	
Vibration key	* %	Pressing and holding the key in the idle state:	
,		Switch the ringer (buzzer) On/Off	
Clear key	CIR	CLR Key is used to return to previous menu list. Cancel	
,	CLK	(ESC) and removing characters.	
Lock key	# හ	The pound is for entering the pound sign. Pressing and holding the key in the idle state:	
		Switches on the key lock.	

1	Press the up key on navigation and directly access "Phone setting".	Phone Settings Image: Constraint of the set of the se
2	Press "8" or find "Admin. Menu" with scroll down.	Phone Settings Source 3 Feature 4 Sound 5 Time 6 WLAN Search 7 Reset to Default 8 Admin. Menu Select Prev
3	Default administrator password is 000000 and user password is 0000	Phone Settings Enter password
4	Administrator can only change the Administrator password and User password. To change Password, select "Admin Password" or "User Password"	System Settings Password VoIP Setting APS Address Firmware Upgrade Certs Manager Ping Test Select Prev

Searching an available Access Point

1	Press L -> shortcuts to search an available Wi-Fi Access Points	WLAN Search Tml LGWD Xml NESPOT Xml AP_1 Many3 Xml Any5 Menu Connect
2	Select an access point from the list that you will connect then press	NLAN Search T⊿ LGHD T⊿ NESPDT T⊿ AP_1 T₄ AP_1 T₄ Zoro T₁ any3 T₄ any4 T₄ any5 Henu Connect
3	If you using password for connect to AP then select configuring security as 64-bits WEP and Enter the password into line number 1, then press . Select authentication and network type then press . Please refer to Configuring Security (p.15 Configuring Security and Authentication)	Network Setup ① Configuring Network ▲ DHCP ► Connect

Creating a new Access Point

If there is no AP that you're connecting for from the list, you can refresh the search or add access point.

1	Press to directly connect to phone settings and go into 1. Status. And please press figure 2 or moving your navigation to 2. WLAN Profile	Status 1 My Phone Info. 2 WLAN Profile 3 Call Ouration
2	Press L "Menu" and "1. Add Profile" using with navigation or press "1"	WLAN Profile voip test Add Profile 2 Delete 3 Delete All 4 Up 5 Down Menu Connect Edit
3	Enter SSID, security and authentication type of access point. If 4 Access Points are saved already, it is not able to add.	SSID Setting
4	You can input the special characters as well. Press left selection key L and select 1. symbol. To change Alphanumeric to numeric, press the right selection key R.	SSID Setting Input SSID 4 Symbol Cancel Menu Next ABC
5	Enter network type of Wi-Fi access point. Please refer to Security and TCP/IP chapter (p.17 TCP/IP)	Network Setup Configuring Network

Deleting Registered Access Point

ICW-1000G supports to delete saved Access Point. In WLAN search mode, select Menu then 4.Delete to remove Wi-Fi Access Point. After confirm with entering administrator password, select "Yes", it will be deleted.

1.	Press to directly connect to phone settings and go into 1. Status. And please press figure 2 or moving your navigation to 2. WLAN Profile	Status My Phone Info. WLAN Profile Call Duration
2.	Select an access point from the list that you will delete then press Left selection key $\blacksquare L$, choose 2.Delete to delete and press $\boxdot u$ with entering password $\blacksquare L \rightarrow 2 \rightarrow \blacksquare \blacksquare \rightarrow Enter$ the admin Password.	WLAN Profile voip test test_2 test_5 Menu Connect Edit
3.	If you want to delete all Access Point that you registered already, press Left selection key Core L, select "3. Delete all" follow by entering password.	WLAN Profile voip test Add Profile Delete Delete All Up Down Menu Connect

Changing Priority Access Point

The higher position of Access Point in the registered screen has higher priority when connect automatically

Press to directly connect to phone settings and go into 1. Status. And please press figure 2 or moving your navigation to 2. WLAN Profile	Status Image: Status Image: My Phone Info. Image: MLAN Profile Image: Status Image: Stat
Select the Access Point from the registered list that you want to change priority, press Left selection key L then select Up or Down in menu to change the position for priority. Default Access Point "VoIP" can be changed by the Auto- provisioning configuration only	WLAN Profile voip test test_2 test_5 Menu Connect Edit

Configuring Security

While creating a new access point or edit existing access point, security option can be set.

For setting up the type of security, press R as "add" at WLAN Search screen when you're sure to setting the type of security. ICW-1000G supports various types of security 64-bits WEP, 128-bits WEP, WPA-PSK, WPA2-PSK, WPA2-EAP, WPA2-EAP and



If your AP does not necessary to these kinds of security, this procedure can be passed.

Authentication

If you and your Access Point are using 802.1x authentication then select "Yes" to configure. Enter your ID and Password for authentication and select your types of authentication among the mode list.



Certification Manager

In case of EAP-TLS, Select "Certs manger" in administrator menu.

 \blacksquare ightarrow 8. Admin Menu ightarrow Enter Password ightarrow 5. Certs Manager



Reference and download of the Root CA and Private CA are possible in order to use 802.1x (EAP-TLS, PEAP, TTLS). You can select which of TFTP, HTTP or HTTPS as a download system.

Root certificate	Supporting	der, .cer and .pem Encode system
Private certificate	Supporting	.pfx and .p12 Encode system

Ce	rts manager		Down Roo	otCA		Ce	erts manager		Down PrivateCA		Ce	erts manager	
	View RootCA		PI	ROTOCOL			View RootCA		PROTOCOL			View RootCA	
	View PrivateCA		•	TFTP	Þ		View PrivateCA		◄ TFTP	•		View PrivateCA	
3	Down RootCA		Innut	IP or DNS			Down RootCA		Input IP or DNS			Down RootCA	
4	Down PrivateCA		- The sec	II OI BIIG		4	Down PrivateCA		Input In or brid	8		Down PrivateCA	
	Delete CA					5	Delete CA				5	Delete CA	
			Input	File Name					Input File Name				
			root.der						private.pfx				
	Select	Prev		Set	abc		Select	Prev	Set (Cancel		Select	Prev

Certificate will be deleted when select "Delete CA"

TCP/IP

ICW-1000G supports DHCP and manual IP. You can select "DHCP" automatically or "Manual IP" manually to configuring network at WLAN Search screen.



IP, Net mask, Gateway and DNS should be entered in case of using manual IP in network setup.



VolP

SIP Setting

1	Select "2.VoIP setting" in System mode	System Settings Image: Constraint of the setting 1 Password 2 VoIP Setting 3 APS Address 4 Firmware Upgrade 5 Certs Manager 6 Ping Test Select Prev
2	Display name: type the display name of phone User name: type phone number or user name registered in SIP. Auth. User name: User ID for SIP Proxy	VoIP Setting Display name User name Auth. user name Set 123
3	Auth. Password: User Password for SIP Proxy	VoIP Setting
	Domain: Domain Server	Domain H 1st_Proxy 2nd_Proxy Set 123

QoS

Qos: Quality of Service

ightarrow 8. Admin Menu ightarrow Enter Password ightarrow 8. QoS ightarrow VoIP .

1	Select "8.QoS" in System menu	System Settings Image 5 VoIP Setting 6 Firmware upgrade 7 Certs manager 8 QoS 9 Coder 10 SIP Outb Proxy Select Prev
2	Select "VoIP" in QoS menu	QoS ISK_YoIPI Select Prev
3	Enter Signal DSCP and Voice DSCP.	ISK_VoIPI Set DSCP Hex value 0x0 to 0x3F. Signal DSCP 0x2e ¹⁴¹ Voice DSCP 0x2e Cancel Save 123

Coder



ICW-1000G supports G.711-ALaw-64K, G.729 and G729-uLaw-64K.

1	Select "9. Coder" in System menu	System Settings Image: Content of the setting 5 VoIP Setting 6 Firmware upgrade 7 Certs manager 8 QoS 9 Coder 10 SIP Outb Proxy Select Prev
2	Select "VoIP" in Coder menu	Coder #LG@Vo1P+Service& Select Prev
3	Press the every to set Multi-frame. Select the coder type you wish to set.	Set Multiframe G.711-ALaw-64k G.729 G.711-uLaw-64k Menu Select Prev #LG@Vo1P*Service& G.711-ALaw-64k I 10m I 20m I 30m I 40m Menu Select
4	Press L in VoIP mode to set the priority then select Up or Down in menu list to change the position for priority. Set the priority order of audio coder.	Set Multiframe G.711-ALaw-64k G.729 G.711-uLaw-64k Menu Select Prev



SIP Outbound Proxy

■ \rightarrow 8. Admin Menu \rightarrow Enter Password \rightarrow 10. SIP Outb Proxy \rightarrow 1. VoIP .

1	Select "10. SIP Outb Proxy" in System menu.	System Image: Constraint of the setting S VoIP Setting Firmware upgrade Certs manager Certs manager QoS Coder Coder SIP Outb Proxy Select Select Prev
2	Select "VoIP" in SIP Outb Proxy menu	SIP Outb Proxy
3	Put the SIP Outbound Proxy.	SIP Outb Proxy

Time



You can set the date and time automatically and manually.

To set Current time automatically select Current time > Time Sever > Start otherwise must set current time manually. To use NTP server, select Time server and Input the NTP IP in NTP Server1 and Server2.

Time	Current time	Time	Time server
1 Current time	Time server	1 Current time	NTP Server1
2 Time server	∢ Start ►	2 Time server	203.248.240.103
3 Time zone	Date	3 Time zone	NTP Server2
4 Time format	2013/ 9 / 10	4 Time format	211 115 194 21
5 DST	Tim	5 DST	
	l 1me		
	10: 4 AM		
Menu Select Prev	Set Cancel	Menu Select Prev	Menu Set abc

▲ We strongly recommend using NTP server. It would be re-set the time after reboot if you don't use NTP server.

ICW-1000G supports 52 Of principal capital cities in the world time. To setup the Time zone service, select 3.Time Zone and select your location of GMT.

Finally the phone will be rebooted.



To define the Daylight Saving Time, select DST and choose Disable or Enable.

After set Start time, the End time should be settled by time which is applied DST time. After set DST time will be displayed on the screen.



Diagnostic

6

Diagnose Network

► 8. Admin Menu \rightarrow Enter Password \rightarrow 7. Diagnostic \rightarrow 1. Diagnostic Network. And then select Diagnose Network, WLAN to diagnostic that you need.

System	Diagnostic	Diagnostic	Diagnostic
Settings	1 Diagnose Network	Diagnose Network	Diagnose Network
5 Certs Manager	2 Diagnose WLAN	2 Diagnose WLAN	2 Diagnose WLAN
6 Ping Test	3 DSP TEST	3 DSP TEST	3 DSP TEST
7 Diagnostic	4 LCD TEST	4 LCD TEST	4 LCD TEST
8 QoS	5 Speaker TEST	5 Speaker TEST	5 Speaker TEST
9 Coder			
10 SIP Outb Proxy			
Select Prev	Select Prev	Select Prev	Select Prev

Results of Diagnose Network

It shows Network Status as WLAN, TCP/IP, and Packet Error Rate between Gateway and DNS.

It takes about three to five seconds to finish all the processes, and all input key shall be inactive until finish the diagnose network.

Diagnose Network explanation	Diagnose Network
WANN status (Connection of wireless LAN)	Network status
ESSID: Present-connected SSID of AP	1. WLAN status
BSSID: Present-connected MAC Address of AP	ESS ID:
RSSI: Received Signal Strength Indication from the AP present-	BSSID: 00: fa:78:55:00:00
connected	RSSI : 4001536dBm
	Stop
Result to PER (Ping Error Rate)	Diagnose Network
Result to PER (Ping Error Rate) PER to GW: packet error rate to GW. PER test to Gateway	Diagnose Network BSSID:
Result to PER (Ping Error Rate) PER to GW: packet error rate to GW. PER test to Gateway (ping to GW per 20ms period, 100 units)	Diagnose Network BSSID: 00:fa:78:b5:00:00 RSSI :4001536dBm
Result to PER (Ping Error Rate) PER to GW: packet error rate to GW. PER test to Gateway (ping to GW per 20ms period, 100 units) PER to DNS: ping error rate to DNS. PER test to DNS1	Diagnose Network BSSID: 00:fa:78:b5:00:00 RSSI :4001536dBm 2. TCP/IP status
Result to PER (Ping Error Rate) PER to GW: packet error rate to GW. PER test to Gateway (ping to GW per 20ms period, 100 units) PER to DNS: ping error rate to DNS. PER test to DNS1 (ping to DNS1 per 20ms period, 100 units)	Diagnose Network BSSID: 00:fa:78:b5:00:00 RSSI :4001536dBm 2. TCP/IP status GW :disconnected
Result to PER (Ping Error Rate) PER to GW: packet error rate to GW. PER test to Gateway (ping to GW per 20ms period, 100 units) PER to DNS: ping error rate to DNS. PER test to DNS1 (ping to DNS1 per 20ms period, 100 units)	Diagnose Network BSSID: 00:fa:78:b5:00:00 RSSI :4001536dBm 2. TCP/IP status GW :disconnected Result of PER

Diagnose WLAN

 $\blacksquare o 8$. Admin Menu o Enter Password o 7. Diagnostic o 2. Diagnostic WLAN .

While diagnose WLAN, cannot receive the call while scan WLAN network.



Results of the Diagnose WLAN



The diagnosis of wireless communication surroundings is possible to find out the connection from ICW-1000G to AP, the units of AP around and inside of the present-connected channel, and variables of the surroundings through diagnosing the status of wireless local area

Each output information is automatically updated once per one minute, AP status around can be updated pressing on the soft key (searching). Automatic update of AP around net-time is not recommended, but need to press on the button when needed, because frequent updating by scanning could give bad influence, when engaged

Each information unit is, except for dBm, is (RSSI/SNR/NF) hexadecimal of them.

RSSI: Received Signal Strength Indication (dBm)

SNR: Signal to Noise Ratio (dBm)

NF: Noise Floor (dBm)

RP: Rx Packet Count/Rx Bytes

TP: Tx Packet Count/Tx Bytes

RE: Rx Error Count/Rx Dropped Count/Rx Length Error Count TE: Tx Error Count/Tx Dropped Count

FC : Tx Failed Count - Increments when a MSDU is not successfully transmitted

RC : Retry Count - Increments when a MSDU is successfully transmitted after one or more retransmissions

MRC : Multiple Retry Count - Increments when a MSDU is successfully transmitted after more than one retransmission

FDC : Frame Duplicate Count - Increments when a frame is received that the Sequence Control field is indicating a duplicate count

RSC : RTS Success Count - Increments when a CTS is received in response to an RTS

RFC : RTS Failure Count - Increments when a CTS is not received in response to an RTS

AFC : Ack Failure Count - Increments when an Ack is not received when expected

FEC : FCS Error Count - Increments when a FCS error is detected in a received MPDU

TFC : Transmitted Frame Count - Increments for each successfully transmitted MSDU

WUC : WEP Undecryptable Count - Increments when a frame is received with the WEP subfield of the Frame Control filed set to one The WEP On value for the key mapped to the TA's MAC address indicates that the frame is not encrypted or frame is discarded because the receiving station is not implementing the privacy option

Scanned AP

Scanned AP: Searched units of AP around.

0 channel: AP units of present-associated channel

DSP Test



1	Select "3. DSP TEST" in Diagnostic mode.	Diagnostic
		1 Diagnose Network
		2 Diagnose WLAN
		3 DSP TEST
		4 LCD TEST
		5 Speaker TEST
		Select Prev
2		DSP TEST
2	Using 🚺 🚺 key for controlling receiver volume.	DSP TEST
2	Using 🚺 🚺 key for controlling receiver volume.	DSP TEST

LCD Test

\blacksquare \Rightarrow 8. Admin Menu \rightarrow Enter Password \rightarrow 7. Diagnostic \rightarrow 4. LCD ⁻	Гest
---	------

node. Diagnostic
1 Diagnose Network
2 Diagnose WLAN
3 DSP TEST
4 LCD TEST
5 Speaker TEST
Select Prev
splay.

Speaker Test

1	Select "5. Speaker TEST" in Diagnostic mode.	Diagnostic Diagnose Network Diagnose WLAN
		3 DSP TEST 4 LCD TEST 5 Speaker TEST
		Select Prev
2	Using 🚺 🚺 key or 💶 L key for controlling test mode.	Speaker TEST

■ \rightarrow 8. Admin Menu \rightarrow Enter Password \rightarrow 7. Diagnostic \rightarrow 5. Speaker Test

Ping Test

■ \rightarrow 8. Admin Menu \rightarrow Enter Password \rightarrow 6. Ping test \rightarrow 5. Speaker Test

1	Select "6. Ping test" in System menu.	System
	Ping Test is accessible for simple diagnosis of network.	Settings
	······································	3 APS Address
		4 Firmware Upgrade
		5 Certs Manager
		6 Ping Test
		7 Diagnostic
		8 QoS
		Select Prev
2	Select "1.Gateway, 2. DNS server, 3. APS address or	Ping test
	4. Manual input" in Ping test mode.	1 Gateway
		2 DNS Server
		2 ADS oddrocc
		P APS duulless
		4 Manual input
		Ars address Annal input
		 Ars address Manual input
		 Ars address Manual input



General Sequence of Auto-provisioning

ICW-1000G supports Auto-provisioning to configure update firmware. Below picture is interoperation between phone and servers.



- ① VoIP phone connect to the nearest Wi-Fi Access Point.
- ② Phone request IP address to the registered DHCP server
- ③ DHCP server provide phone with IP address and Boot 66 option which indicate Auto- provisioning server.
- ④ Phone connect Auto-provisioning server
- (5) Auto-provisioning server compare version of e1_common.ini and e1_mac.ini with phone and if server has higher version, phone started to download firmware files from server.
- 6 Phone connect SIP server and register IP address.

Setting Auto provisioning Server Address

There are two way to set Auto provisioning Server address. The first one is input address in menu via the key pad; another one is getting the address by DHCP server with the bootp option 66.

1	Select "3. APS address" in System Settings' menu.	System Settings
2	To set the address in manually, choose APS address in the administrator menu. Three protocols, HTTP, HTTPs and TFTP are available. Please make sure USE BOOTP 66 option is NO when using in manually setting the address.	APS address PROTOCOL TFTP Input IP or DNS Use BOOTP 66 option No Set abc
3	To set the address by DHCP BOOTP 66 option, please make empty in the input IP or DNS field. Make USE BOOTP 66 option filed to YES. ICW-1000G will get configuration file from auto- provisioning server in the next boot up.	APS address PROTOCOL TFTP Input IP or DNS Use BOOTP 66 option Yes Set Cancel

Web Configuration Tool

A PC browser can be used as an alternative to configuring system. Ensure that the PC is connected to the same AP as the phone and enable <Lock PC Sync>

Menu -> Settings -> Security -> Enter user password -> Lock PC Sync -> Enable -> set the password for Web Configuration Tool

 Enter the phone's IP address:8080 in the address bar of the PC's web browser and press <Enter>



2. Follow screen prompts to enter the password for Web Configuration tool and then click <OK>

				and the second	070707	(Setup) (Logout)
Phonebook						PhoneBook
Refresh Delete			Sending Receiving	Name	.AD.AD	
Name	Number 1	Number 2	Group	Group	Unassigned Edit	
ADAD	222-222		Unassigned	Key number	222-222	
Customer Center	114		Unassigned	Mobile	222-222	
				O Home		
				O Office -		
				O Office •		
				O Office -		
				email 1		
				email 2		
				Messenger		
				Ber		-
				Memo		
2/500				Add Save	Delete	

- 3. You can store frequently used phone number and names in the phonebook. You can also import or export saved information between PC and ICW-1000G.
- 4. After displayed Web Configuration Tool, click <setup> button above the right side.



5. Follow screen prompts to enter the user name (admin) and password for admin and then click <OK>

Phone Information Model ICW-1000 Software version V0,10 IP address 192,105,0,109 Netmask 295,255,255,0	Section list SYSTEM RTP RTCP WEB SERVER TIME SIP USER ACCOUNT SERVER SETTINGS REDUNDANCY BASIC CALL HOLD MWM TRANSFER FORWARD INITIAL BUSY MODE WIFI ROAMINIG TOS WMM	Language (0~65535) Country Tone Type Use DNS SRV Vendor ID Watchdog Timeout (0:Disable Use CPU PowerSave Push Server Host Change Value	SYSTE	M 1 U.S. • © On Off 120 S © On Off http://203.248.156.161
Model ICW+1000 Software version v0.1.0 IP address 192,165,0109 Netmask 225,255,255,00				Phone Infomation
IP address 192,160,0,109 Netmask 255,255,255,0			Model Software version	ICW-1000
In address 192, 163,0, 169 Netmask 255, 255, 0			IR addross	107 168 0 100
Netmask 255.255.0			in address	192,100,0,109
			Netmask	255.255.255.0
Gateway 192,168,0,1			Gateway	192,168,0,1

Setting the .ini file in Auto-Provisioning Server

You use the value of two Statements after modifying according to each

condition. Make sure that sever IP will be root directory of auto-provisioning

server.

You can use the "e1_Common.ini" file if you want to set the all the same value.

You can use the "e1_00:00:00:00:00(replace your phone mac).ini" file if you want to set different value individually.

(In every line's # means just comment of value. You don't need to apply it to each line.)

e1_Common .ini [SYSTEM] Language = 1 Admin_Password = 000000 Country_Tone_Type = 1 [RTP_RTCP] Use_RTCP = 1 RTP_Port_Min = 9000 RTP_Port_Max = 9020 RTCP_Report_Interval = 5000 Last_RTP_Received_Timeout = 0 [TIME] NTP_Refresh_Interval = 7200 NTP_Server1 = 203.248.240.103 NTP_Server2 = 203.254.163.74

[SIP]

Local_Port = 5060

[BASIC_CALL]

Use_Call_Waiting = 1

Session_Expire = 1800

Remove_DASH_On_Alias = 1

[MWI]

Use_MWI = 1

Use_Subscribe = 1 Subscribe_Server = Subscribe_Expire = 3600 VMS_Alias =

[WIFI]

Enable_Check_Server_Cert = 0

Force_Enable_Short_Preamble = 0

[WIFI_SCAN]

Scan_Channel_List = 1,2,3,4,5,6,7,8,9,10,11,12,13

[ROAMING]

Try_Beacon_Signal_Level = -77

Try_Over_TxError_Count = 5

[NETWORK1]

Enable = 1 SIP_Outbound_Proxy = SSID = VoIP Enable_DHCP = 1

Address = 0.0.0.0

Netmask = 255.255.255.0

Gateway = 0.0.0.0

DNS1 = 0.0.0.0

DNS2 = 0.0.0.0

Security = 2

WEP_Bits = 0

Default_WEP_Key = 1 WEP_Key1 = WEP_Key2 = WEP_Key3 = WEP_Key4 = Post_Authentication_Mode = 0 8021X_Name = 80121X_Password = WPA_PSK_PassPhrase = un1d4t4wpu7700

WPA_PSK_Key = 5ae4b848d871fdcba8dda23716245901b0e5ea8047b06e4445e94d96ec27ee23 Use_WPA_PSK_Key_Hex_Mode = 1 Proactive_Key_Caching = 1

PMK_LifeTime = 43200

PMK_Max_Count = 32

DiffServ_Signal = 46

DiffServ_Media = 46 WMM = 1 Jitter_Buffer_Size = 60 Payload_Type = 8,18,0 Multiframe = 2,2,2 [NETWORK2] Enable = 0 SIP_Outbound_Proxy = SSID = wifi Enable_DHCP = 1 Address = 0.0.0.0 Netmask = 255.255.255.0 Gateway = 0.0.0.0 DNS1 = 0.0.0.0 DNS2 = 0.0.0.0 Security = 1 WEP_Bits = 0 Default_WEP_Key = 1 WEP_Key1 = 123456789a WEP_Key2 = WEP_Key3 = WEP_Key4 = Post_Authentication_Mode = 0 8021X_Name = 8021X_Password = WPA_PSK_PassPhrase = WPA_PSK_Key = Use_WPA_PSK_Key_Hex_Mode = 1 Proactive_Key_Caching = 1 PMK_LifeTime = 43200 PMK_Max_Count = 32 DiffServ_Signal = 46 DiffServ_Media = 46 WMM = 1 Jitter_Buffer_Size = 60 Payload_Type = 8,18,0 Multiframe = 2,2,2 [NETWORK3] Enable = 0 SIP_Outbound_Proxy = SSID = VoIP Enable_DHCP = 1 Address = 0.0.0.0 Netmask = 255.255.255.0 Gateway = 0.0.0.0 DNS1 = 0.0.0.0 DNS2 = 0.0.0.0

Security = 2

WEP_Bits = 0

```
Default_WEP_Key = 1 WEP_Key1 = WEP_Key2 = WEP_Key3 = WEP_Key4 =
Post_Authentication_Mode = 0 8021X_Name = 8021X_Password =
WPA_PSK_PassPhrase = un1d4t4wpu7700
```

```
WPA_PSK_Key =
5ae4b848d871fdcba8dda23716245901b0e5ea8047b06e4445e94d96ec27ee23 Use_WPA_PSK_Key_Hex_Mode = 1
Proactive_Key_Caching = 1
```

PMK_LifeTime = 43200

PMK_Max_Count = 32

DiffServ_Signal = 46

DiffServ_Media = 46

WMM = 1

Jitter_Buffer_Size = 60

Payload_Type = 8,18,0

Multiframe = 2,2,2

[NETWORK4]

Enable = 0 SIP_Outbound_Proxy = SSID = VoIP Enable_DHCP = 1

Address = 0.0.0.0

Netmask = 255.255.255.0

Gateway = 0.0.0.0

DNS1 = 0.0.0.0

DNS2 = 0.0.0.0

Security = 2

WEP_Bits = 0

```
Default_WEP_Key = 1 WEP_Key1 = WEP_Key2 = WEP_Key3 = WEP_Key4 =
Post_Authentication_Mode = 0 8021X_Name = 8021X_Password =
WPA_PSK_PassPhrase = un1d4t4wpu7700
```

```
WPA_PSK_Key =
5ae4b848d871fdcba8dda23716245901b0e5ea8047b06e4445e94d96ec27ee23 Use_WPA_PSK_Key_Hex_Mode = 1
Proactive_Key_Caching = 1
```

PMK_LifeTime = 43200

PMK_Max_Count = 32

DiffServ_Signal = 46

DiffServ_Media = 46

WMM = 1

Jitter_Buffer_Size = 60

Payload_Type = 8,18,0

Multiframe = 2,2,2

[SOUND]

```
Bell_ID = 0x1 Bell_Volume = 6

Effects_Button_ID = 0x00010101 Effects_Button_Volume = 4 Effects_PowerOn_ID = 0x00030001

Effects_PowerOn_Volume = 4 Effects_PowerOff_ID = 0x00040001 Effects_PowerOff_Volume = 4 Info_Battery_ID =

0x00080001 Info_Battery_Volume = 2 Info_Window_ID = 0x00080002 Info_Window_Volume = 2 Info_Network_ID =

0x00080000 Info_Network_Volume = 2
```

[PROVISION]

Firmware_Version = Firmware_Name = Phonebook_Name =

e1_00:00:00:00:00:00(replace you phone MAC).ini(Configuration Entry)

[USER_ACCOUNT]

Displayname = Phone_Number =

User_ID = User_Password =

[SERVER_SETTINGS]

1st_Proxy = 2nd_Proxy = Domain_Realm = Register_Expire = 3600

Please refer to Appendix of ini configuration file.

Firmware Upgrade

There are two ways to set Firm ware update. The first one is input address in menu via the key pad; another one is upgraded by Auto-provisioning server automatically.

1	Select "4.Firmware Upgrade" in System Settings' menu	System Settings
		1 Password
		2 VoIP Setting
		3 APS Address
		4 Firmware Upgrade
		5 Certs Manager
		6 Ping lest
		Select Prev
2	Select protocol, Enter IP and File name.	Firmware upgrade
	Enter IP or DNS in "Input IP or DNS"	PROTOCOL
	Enter Firmware file name in "Input File Name"	◀ TFTP ►
	i.e Input IP or DNS: 192.168.10.10	Input IP or DNS
	Input File Name : example.zip	Loout Filo Namo
	igta Do not unzip the Firmware zip file which was	
	provided by Unidata. Just load the zip file on the TFTP or	Set Cancel
	HTTP server. The ICW-1000G pulls its configuration and	
	upgrade when you turn the phone off and on.	
	igwedge If the original zip file name is too long to input on	
	the phone, you can replace it with simple one like 240.zip	
3	Firmware will be updated.	System
	It cannot be upgraded if the Firmware version is same or	Upgrade
	less than current version. Make sure that the server	
	should be root directory.	Preparing data
	🛆 Don't tune the phone off during update. Make	
	sure	
	battery is enough. Power off during update will cause	Select Prev

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