

The WirelessIP5000E-A Telephone Offers Mobility Options for Strata CIX

We are very pleased to introduce another mobility solution for the Strata CIX family. Toshiba has entered into a strategic relationship with Hitachi Cable USA to resell the WirelessIP5000E-A telephone through authorized Toshiba dealers nationwide.

The WirelessIP5000E-A links with your IEEE 802.11 wireless local area network and enables you to take your direct line and extension number with you anywhere within your wireless LAN environment.

The WirelessIP5000E-A telephone helps extend the value of your resources and save money on every call. Since the wireless IP telephone utilizes your existing wireless LAN infrastructure, there's no additional wireless interface equipment required. Of course as always, a network assessment is required to ensure sufficient bandwidth and access point coverage to meet the VoIP needs on your network.

Product Overview

Along with the increased sophistication, functionality, and lower prices for data communications networks, there has been rapid growth in the popularity of IP telephone systems that use Session Initiation Protocol (SIP) to provide VoIP communications. The WirelessIP5000E-A is a SIP telephone and has been validated for interconnection with Strata CIX systems.

The WirelessIP5000E-A telephone provides:

- Support for the IEEE 802.11b/g protocol that allows users to leverage existing wireless LAN equipment
- Automatic roaming to the most suitable access point (Layer 2/layer 3 roaming compatibility) within the wireless network
- Scalability capable of supporting all types of system environments
- Support for WEP (64/128/256) Encryption



Specifications

Wireless LAN	Standard: IEEE 802.11b compliant Protocol: CSMA/CA Communications Method: Direct Sequence Spread Spectrum Communications Speed: 11/5.5/2/1 Mbps Wireless Frequency Band: 2.400 to 2.497 GHz
Call Control Protocol	Session Initiation Protocol (SIP)
Audio Encryption Method	G.711A-Law/Micro-Law, G.729A
Network	IP
Security	WEP (64/128/256 bits) IEEE 802.1x (MD5/EAP-TLS) Web authentication
Call Time	Continuous call time: Up to about 190 minutes Standby time: Up to about 55 hours (When using access points supporting power save mode)
Recharge Time	About 180 minutes
Display	8 lines, 10 digits (2-byte characters)
Button	0 to 9#, 4 function keys, multi-function key (Up, Down, Left, Right, Enter), soft key
Other Features	Standby display (display of signal meter, extension number, remaining battery level, message acquisition, date, day of week, time, silent display, vibration display), alarm, PC connection (USB 2.0 option), earphone, and others
External dimension	About 127 x 43 x 23mm (HxWxD)
Weight	About 102g

Features

SIP Line Features

- Caller-ID (Incoming only)
- Call Hold
- Call Transfer
- Message Waiting Indication

SIP Phone Features

- Calling Extension ID
- Call History (20 call capacity for incoming/outgoing calls)
- Call Time
- LCD Display
- Phone Book (200 entry capacity, backup/restore via USB cable option)
- Repeat Last Number Dialed
- Speed Dial
- Volume Control
- Voice Mail Retrieval
- Unanswered Call Display

Product Configuration & Ordering

Each WirelessIP5000E-A telephone (part # WIP5000E-A) contains one WirelessIP5000E-A SIP handset, Standard Battery, Battery Charger Stand, and AC Adapter. Optional Accessories can be easily ordered separately from any of several web based suppliers. Toshiba does not offer accessory or replacement items. At this time Toshiba has no source for belt clips or carrying cases.

Standard Package

- Battery Charger Stand (part # WCHR-5000)
- AC Adapter (part # STA-050075J)
- Standard Battery (part # WBTT5000S)

Optional Item

- Quick Reference Card (part # WIP5KES-UG-VA)

Ordering Information

The WirelessIP5000E-A wireless telephone handset standard package is available from Toshiba and ordered through FYI. For the latest product list and pricing details, see the Station Equipment section of the updated Toshiba Price Book. National Account orders must include installation and programming (part # IN-SIPPHONE).

Software/Licensing

CIX R4.2 (MP024) or later is required to support WirelessIP5000E-A Transfer and Hold features. Also, one (1) available channel on a LIPU/LIPS with firmware version _01_03 or later and one (1) IP endpoint license (LIC-CIX-IP PORT) is required for each wireless handset connected to the Strata CIX.

Note Earlier versions of CIX software, R3.1x and R4.1x, will support the basic SIP calling function with LIPU/LIPS firmware version _01_03 or later but the Transfer and Hold functions are not supported.

Installation

Installation of software release 4.2 MP024 on the Strata CIX and firmware version _01_03 on the LIPU/LIPS are required prior to installation of the SIP wireless handset. Installation procedures of the Strata CIX software, LIPU/LIPS and WirelessIP5000E-A are found in the Strata CIX Installation and Maintenance Manual (Release 4.2) (CIX100/200/670).

Selling Advantages

Convenience

- Looks and feels like a mobile phone
- Fits easily into pocket; compact and light
- Integrates all the merits and features of cordless and desktop IP telephones

Affordability

- Deploys without cabling, reducing the costs of network deployment and expansion.
- Integrates into an existing phone system, typically with no additional hardware
- Provides lower-cost internal and external voice communication

Mobility

- Supports roaming, enabling movement of a user around a building or area
- Requires minimal configuration for quick deployment which makes it suitable for emergency situations like natural or human-induced disasters, military conflicts, emergency medical situations etc.

Productivity

- Utilizes advanced wireless (IEEE 802.11b/g) technology that allows users to achieve excellent connections for voice communication
- Equipped with advanced Quality of Service (QoS) technologies to provide consistent superior voice quality

Product Line Strategy

The WirelessIP5000E-A telephone is an addition to the Strata CIX family of mobility solutions that also includes the SoftIPT™ for laptop PCs and PDAs, and SpectraLink® wireless telephones.

The WirelessIP5000E-A joins the Uniden UIP 200 desk telephone as an additional SIP telephone supported on the Strata CIX.

Documentation

The following documentation is available from Toshiba and is available on the Internet FYI:

- WirelessIP5000E-A Administrator Manual
- WirelessIP5000E-A User Manual
- WirelessIP5000E-A System Integration Manual
- WirelessIP5000E-A User.ini Manual

Training

Technical Training

Technical training for the WirelessIP5000E-A will be made available to dealers on-line, and is free. More information will be coming soon.

Sales Training

Sales Training for the WirelessIP5000E-A product will be available online upon release. The sessions are recorded and posted online so that you may listen to them at your convenience. If you have any questions, please contact your appropriate Regional Sales Manager or Sales Training Manager.

Pre Sales Support

Pre-sales support regarding the WirelessIP5000E-A telephone and Strata CIX solutions is available to dealers through the Toshiba TSD Sales Application Help Desk at 949-583-3354. When implementing a wireless network, dealers should seek an IP network assessment or seek other consultative resources for customer-specific wireless network configurations. The Toshiba TSD Sales Applications Help Desk cannot offer any specific network recommendations.

Support

Product Life Cycle

As set forth in Toshiba's warranty regarding third party products, Toshiba will provide warranty support for the period of warranty. As set forth in Toshiba's Product Lifecycle Policy for third-party products, technical support is available throughout a product's lifecycle and for no more than 12 months after the product reaches the end of its manufacture discontinuance.

Warranty

Toshiba warrants the WirelessIP5000E-A handset for a period of twelve months from date of purchase. The WirelessIP5000E-A is a third-party manufactured product and carries a warranty independent of our Toshiba manufacture limited warranty provided with our Toshiba-branded products. Dealers should check Toshiba's FYI site for complete warranty information.

Technical Support

Toshiba provides technical support for the model WirelessIP5000E-A handset having current firmware version 2.2.12 140 (LA1) installed, (or the latest version supported by Toshiba) as it is installed or to be installed with the Toshiba Strata CIX. ***The Toshiba's technical support staff does not however, troubleshoot wireless network issues.***

Interoperability Support

Toshiba distributes the model WirelessIP5000E-A handset only and recommends that only those WirelessIP5000E-A handsets distributed by Toshiba be operated with the Strata CIX. Toshiba distributed handsets have been optimized to operate with current versions of the Strata CIX and fully tested to provide Toshiba's call quality and capability.

Warning: While wireless handsets purchased from non-Toshiba sources may work with the current version of the CIX when firmware version 2.2.12 (LAT) is loaded to the handset, Toshiba cautions customers that certain non-Toshiba distributed WirelessIP5000 model handsets cannot operate with the Toshiba Strata CIX nor will it be possible to apply any software upgrade to operate with the Toshiba Strata CIX. Customers should contact their handset supplier as Toshiba cannot support the interoperability these devices with the Toshiba Strata CIX.

Remote Operation

Toshiba has developed this solution for the Strata CIX environment which has a wireless LAN capability. For wireless operations outside the enterprise, a VPN connection is required to establish a call from the

WirelessIP5000E-A handset to the Strata CIX over the Internet. A VPN router encapsulates the digitized voice within IP packets, then encrypts the digitized voice, and finally routes the encrypted voice packets securely through a VPN tunnel to the Strata CIX. Customers wishing to operate remotely, should contact their network provider for installation advice and recommendations in choosing the VPN router best suited to their network configuration.

Repairs and Returns

The WirelessIP5000 telephone is manufactured as a consumable product and no repair service is available. Should the product malfunction within the period of warranty, please contact Toshiba's Technical Support Department to determine if the malfunction is covered by Toshiba's warranty.

Toshiba will not accept a returned product for any problem when damage is the result of: any neglect, misuse, water damage, unreasonable wear and tear, and the like; any accident, abuse, shock, electrostatic discharge, operation under heat or humidity outside of the operating specifications, improper installation, operation, maintenance or modification; disassembly, battery recharge failure (except for an out of box failure), LAN or WAN disruption, faulty de-installation or alteration of the product in any manner, except in accordance with the use instructions stated in the accompanying product user manual; removed, damaged or tampered labels; malfunctions caused by other equipment; damage as a result of non-manufacturer prescribed upload of software, "virus", "worm" or other malicious code; lost passwords; or any misuse contrary to the instructions in the user manual.

To Request the Return of a Defective Product for Repair or Refund

Call a Toshiba technical support representative. Our technical support representative will determine the nature of the defect and give you a unique Technical Support ticket number. A dealer will receive a Technical Support ticket number from a Toshiba Technical Support rep, only after it has been determined that the customer is eligible to receive a replacement.

The Technical Support ticket number will be required to begin the Advanced Warranty Replacement process during the FYI session. Dealers may then request an RMA number through FYI to ship the defective product to the Toshiba Repair Center. The Toshiba Repair Center will only accept returned products that have an RMA number issued by the FYI system. Packages returned to the Toshiba Repair Center without an RMA number will be rejected and returned to the dealer.

Do not return the battery. Replacement units will not contain a battery.

Unopened products may be returned for credit within 30 days by contacting Toshiba Customer Service. A restocking fee of 15% of the net price will be charged to the dealer. Returned phones that have been opened or not shipped in their original packaging will be rejected.

Availability

The WirelessIP5000E-A telephone and accessories are currently available from Toshiba.

INSTALL A WirelessIP5000E-A ON A CIX

The WirelessIP5000E-A distributed by Toshiba is a wireless SIP phone that connects to the CIX via a wireless access point, on a LAN. The installation of the WirelessIP5000E-A telephone is very similar to the installation of a wired IP telephone on a LAN.

The system requirements to support the WirelessIP5000E-A handset are:

- CIX R4.2 MP024 or later software
- LIPU/LIPS firmware revision _01_03 or later
- The BIPU does not support the WirelessIP5000E-A.

Important! The WirelessIP5000E-A handset distributed by Toshiba has been optimized and fully tested to operate with current versions of the Strata CIX. Toshiba recommends that only handsets distributed by Toshiba be operated with the Strata CIX. While wireless handsets purchased from non-Toshiba sources may work with the CIX, Toshiba cannot warrant or support those handsets. Some non-Toshiba distributed WirelessIP5000 model handsets cannot operate with the Toshiba Strata CIX nor will it be possible to apply any software upgrade to operate with the Toshiba Strata CIX.

Attempting to apply Toshiba software to a handset not distributed by Toshiba may cause irreparable damage to the handset.

WirelessIP5000E-A handsets distributed by Toshiba have been optimized to operate with the installed (default) win.ini settings. Changes to these settings should not be made except as directed by Toshiba Technical Support engineers.

Refer to the Hitachi Cable documentation for the setup procedures that apply to any WirelessIP5000E-A implementation. The procedures that follow are the items and entries that are unique to installation in a Strata CIX system.

Installation of a WirelessIP5000E-A phone requires:

- One port on the LIPU/LIPS to program the station DN.
- One LIC-CIX-IP PORT license for each WirelessIP5000E-A telephone.
- The IP Address of the LIPU/LIPS
- The Access Point (AP)
 - SSID
 - WEP / WPA if implemented
 - A station programmed in the CIX database as a SIP phone.

Note In eManager set the station password. Advanced Config > IP Telephony > IPT Data (Prog 250). Set the SIP Terminal Password to a unique password.

Refer to and follow the Hitachi Cable documentation for setup, configuration and programming the WirelessIP5000E-A handset.

1. The following tables contain entries and parameter values unique to installation on a Strata CIX system.

WirelessIP5000E-A Setup Basic and Network Config Parameters for Strata CIX		
Setup	Parameter	Data
Basic Info	Name	Name of the network. This is for information only, it is not critical.
Network Config (Option)	SSID	The SSID of the Access Point used by this handset.
	Remaining parameters	In most installations accept the default values. Refer to the Hitachi Cable WirelessIP5000E-A documentation.
Network Config > (Add or Edit profile) TCP/IP	Use DHCP	Select Enable - For LANs with a DHCP server or Select Disable and enter an IP Address
Network Config > (Add or Edit profile) Security	WPA / WEP	Enter if the AP requires it.

2. SIP User account data.

WirelessIP5000E-A SIP Parameters for Strata CIX		
Setup	Parameter	Data
Network Config > SIP > User Account	Display name	The name that will be shown on the handset display.
	Phone Number	The DN of the station programmed in the CIX database.
	User password	Enter the password programmed for this DN in the CIX database.
	URL Scheme	SIP

3. Handset Server Setup.

WirelessIP5000E-A Server Setup and Proxy Parameters for Strata CIX		
Setup	Parameter	Data
Network Config > SIP > Server setup	Domain / Realm	Leave blank.
	1st Proxy	IP address of LIPU/LIPS
	1st Registrar	IP address of LIPU/LIPS
Network Config > SIP > Outbound Proxy	Outbound Proxy	IP address of LIPU/LIPS

If the Network fail message does not clear within two minutes review the setup procedure. If this fails, contact Technical Services.

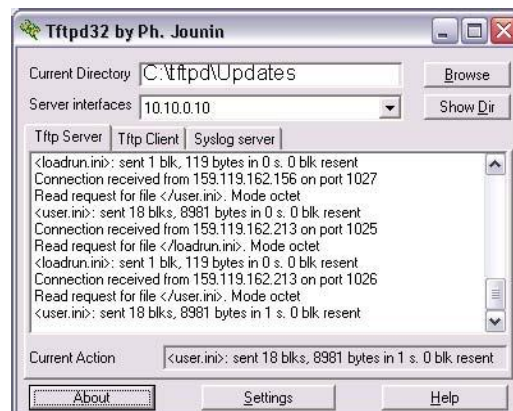
TFTP Server to Download WirelessIP5000E-A Configuration

Use a TFTP server to load the user.ini file into a WirelessIP5000E-A handset.

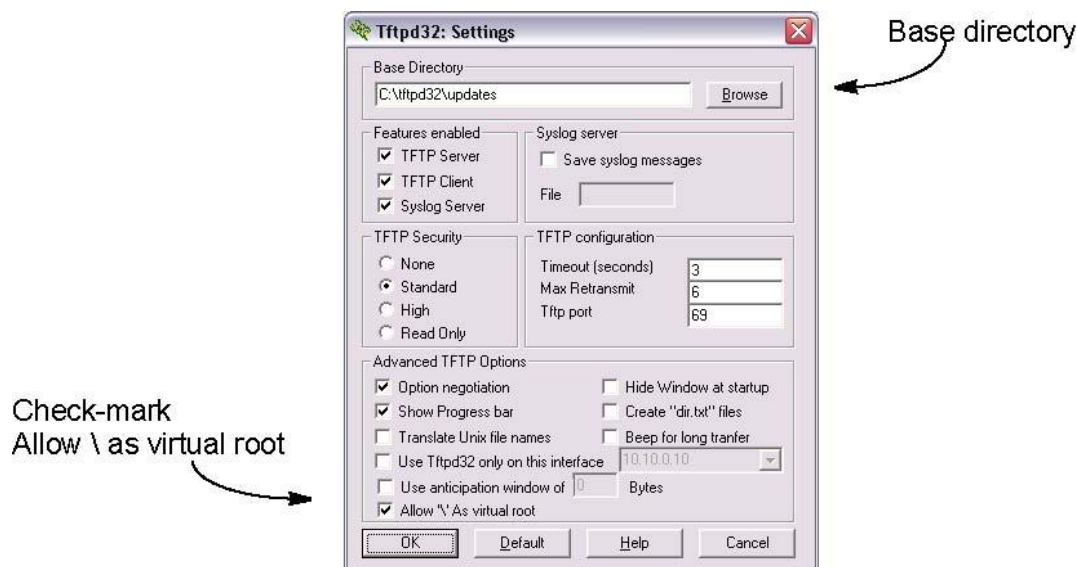
WARNING! Load software only from the from the Toshiba FYI web-site. Loading software from another source may cause irreparable damage to the handset and void the warranty. Loading Toshiba software onto a handset not distributed by Toshiba may cause irreparable damage to the handset.

Download the TFTP Server Software

1. On the PC your are using to download the server software create a file; C:\tftpd\Updates
2. Connect to internet address: <http://tftpd32.jounin.net/>. From the **Download** menu select **Tftpd32** to download the server software.
3. On the PC your are using to download the server. click on the **Settings** button.



4. Use the **Browse** button to set the Base Directory to update file name you created in Step 1. Check mark the **Allow \ as virtual root** box then, click on **OK**.



Download the WirelessIP5000E-A user.ini File

The most current user.ini is available in the Software section of the Toshiba TSD FYI web site.

Note Refer to the WirelessIP5000E-A System Integration Manual, section 7.9 for user.ini information.

1. Login to the FYI web site. Select the WIP5000E-A user.ini file for down load.
2. Save the **user.ini** file into the tftp update folder (C:\tftpd32\update) on the PC that will be used as a tftp server.
3. Log out of FYI.

Update the WirelessIP5000E-A Configuration

This procedure will down load the user.ini file from the TFTP server to the handset.

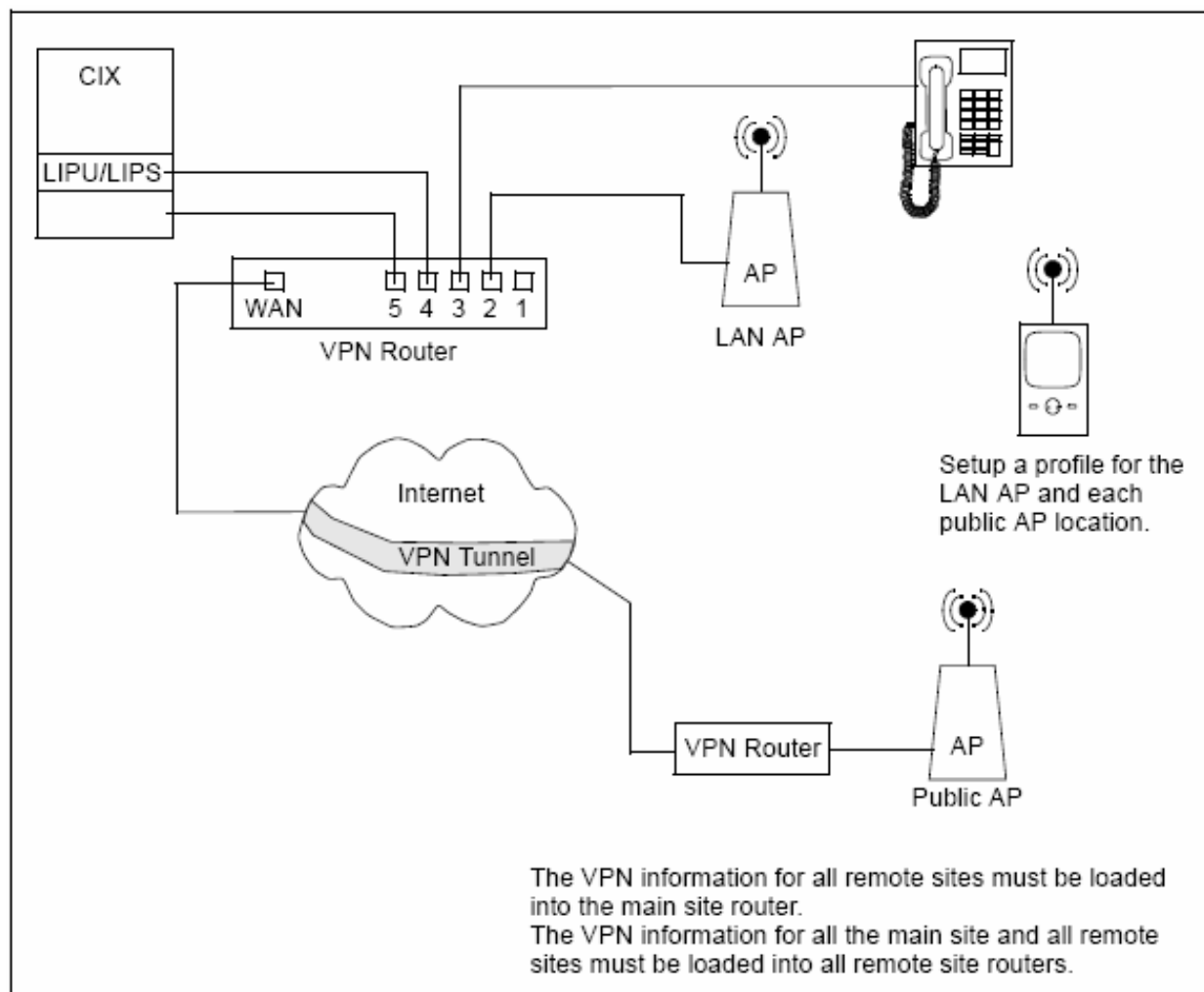
1. On the WirelessIP5000E-A hand press **Menu**.
2. Select **Setup** (4).
3. Select **Phone Lock** (2).
4. Enter the handset **password**. (Default password: 0 0 0 0 0 0)
5. Select **Upgrade** (3)
6. Select **Setup** (3)
7. Select **TFTP Server** (1).
8. Enter the TFTP server IP Address.
9. Press the joystick to save the IP Address. **Saved** will be displayed.
10. Press **CLR**.
11. Select Configuration (2).
12. A warning will be displayed press the joystick then select **Yes**.
13. The down load will start. When finished a message will display asking if you **Really** want to **Upgrade**? Enter **Yes**.
14. The handset will reboot with the new configuration.
15. When the WirelessIP5000E-A handset has restarted, login.
16. Complete any other required setup.

WirelessIP5000E-A OVER WAN or INTERNET

Toshiba TSD has developed an IP telephone solution for the Strata CIX with wireless LAN capability. For operations outside the enterprise LAN a VPN connection is required for calls between the Strata CIX and the WirelessIP5000E-A over the internet. A VPN router is required to securely route the digital voice packets through a VPN tunnel from handset to Strata CIX system. Users wishing to operate a WirelessIP5000E-A handset remotely, outside the enterprise LAN, should contact their network provider for installation advice and recommendations in choosing the VPN router and configuration best suited to their network needs.

The procedures in the previous WirelessIP5000E-A section covered installation and operation of WirelessIP5000E-A via wireless access points on a LAN. This section discusses some of the key points in the installation of the WirelessIP5000E-A telephone to allow access through APs located outside the LAN via the Internet.

The SSID of each AP to be used must be set in the Network Configuration of the WirelessIP5000E-A handset. Refer to Figure 11-24.



WirelessIP5000E-A Connection (Example Only)

WirelessIP5000E-A Setup for Access via the Internet through a VPN Router

The WirelessIP5000E-A handset must be configured with both the Private and Public IP Addresses for the LIPU/ GIPH. Also, the SSID of each AP that will be used must be entered into the handset configuration. The SSID can be checking with the appropriate personnel at the location, or use the WirelessIP5000E-A handset to conduct a Site Scan.

1. Access the handset Server Set Up and enter the following:
 - Domain / Realm - Leave this blank
 - 1st Proxy - LIPU/LIPS Private IP Address
 - 1st Registrar - LIPU/ LIPS Private IP Address
 - Outbound proxy - LIPU/ LIPS IP Address accessible from the AP
2. At the WirelessIP5000E-A handset enter the following parameters. For detailed instructions on using or programming the WirelessIP5000E-A handset please refer to the Hitachi Cable WirelessIP5000E-A documentation. In the Network Config > Option
 - Add > New entry (yes)
 - Name - The name of the network (information only, not critical)
 - SSID - Enter the SSID of the AP
 - Accept the default for all remaining parameters
3. Save and Exit. The handset will restart. The display will show **Not Registered**. This is normal. If the signal strength is showing one or more bars the phone is programmed correctly and has found the AP it can bind to.
4. Save the parameters just entered.
5. You must Restart the network each time the handset is moved to a location using a different AP SSID.

User Menu Reference

Initial Handset Display

- The **signal strength** in the upper left corner along with an icon that indicates that the phone is set to vibrate when ringing.
- The **battery strength** is shown on the top right.
- The name is the **SIP Display Name** that is shown to others calling
- **Time** and **Date** - shown in the center of the screen; the date is displayed in U.S. style date (i.e. mm/dd) and no setting was found to set to other formats such as dd/mm
- The **left softkey** labeled **Menu** will open the main menu and the **right softkey** labeled **Presence** opens the Presence menu.

Main Menu and Phonebook Menu

Below we start to navigate the menus. Notice the title of each list of list of options indicates the option chosen to access these options.



The first menu is the main with the title **Menu** and is accessed via the softkey labeled the same as shown above.

The main menu has six options shown in the first two photos above.

By selecting the Phonebook option, the **Phonebook** menu appears as shown on the right.

The available options are fairly standard as follows:

- **Search** - searching by name, phone number, index, or group; once a contact is found there is a submenu with an Edit function.
- **New Number** - add contact, group can be assigned when adding contacts
- **Edit Group** - create or edit groups to which phonebook entries can be assigned
- **Delete All** - clear the phonebook

Message Menu, Call Logs Menu, and Presence Menu

Below, we continue accessing menus by choosing the options in numerical order.



The photos above show the available Message, Call Log, and Presence options.

Accessing Setup Menus and Admin Menus

Below, we will see the options found under **Setup** and then those found under **Admin** - these are the largest sets of submenus and configuration options.



The Setup menu contains the options for configuring the handset itself and views some of the configuration settings that can be set using the Admin configuration options.

The options are either self-explanatory or explained briefly below:

- **Bell/Vibration** (ringer)
- **Caller ID** - on = send caller id, off = withhold caller id when making calls
- **Service Lamp** - affects flashing LED that indicates connection status; settings include enable/disable, lamp/lamp and beep, and interval in seconds
- **Contrast** - set contrast for LCD display
- **Security** - *explained below*
- **Information** - *explained below*
- **Error Msg** - settings include: on=show error messages, off=do not show; error messages include messages such as failed DNS connection and failed connection to Access Point
- **Font Size** - options: Large or Normal
- **Time** - options to set the time, multiple time servers, and offset (time zone) - no setting for daylight savings time

The **Security** option is used to set the Admin and User passwords. The handset asks for the old password before allowing you to enter a new password. The passwords are four digits long.

The **Information** option is used to retrieve information about the following:

- **TCP/IP** - view the current network settings such as DHCP mode, IP address, gateway, net mask, and DNS settings
- **URL & Proxy** - view the current SIP settings
- **MAC address** - view the hardware address of the handset, often used by network administrators to grant access to a wireless network
- **Version** - view the firmware version

Note that these options only allow viewing of this information. Changing the network or SIP configurations requires using the **Admin** menus and requires the admin password as shown below.

Accessing Admin Menus and Settings



Choosing **Admin** option requires the *Admin Password* as shown above. Once the password has been entered, there are eight options as shown in two photos.

The Admin options include:

- **Network** - *shown and explained below*
- **SIP** - *shown and explained below*
- **Upgrade** - firmware upgrade options
- **Factory Default** - resetting the handset
- **RF Test** - diagnostics
- **Web Server** - turn on/off the web configuration pages accessible by pointing your internet browser to `http://<handset ip address>:8080`
- **Syslog** - set the IP address and port where a Syslog server is running; used to capture messages and errors from the handset.
- **Certs Manager** - *shown below*

Network Settings Menu and Network Setup (Wireless Profiles)

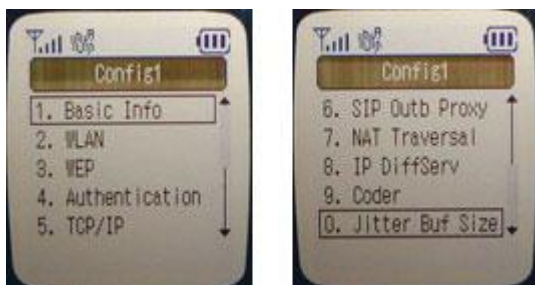


Selecting the first Admin option, **Network**, we see the Network menu (*above left*) with five options:

- **Current Site** - shows which access point is currently connected
- **Site Scan** - searches for wireless networks and shows signal strength of each found
- **Config** - shows the list of configured wireless connection profiles (*above right*); adding and deleting profiles is done using the softkeys labeled Add and Del shown above
- **Manual Restart** - allows user to restart the network connection using a specific connection profile or 'auto' which is the default setting and connects to the strongest configured signal
- **Ping** - allows user to test connectivity to a supplied IP address by pinging that IP address

Wireless Profile Settings

Below, we see the options available when configuring one of the wireless profiles - **Config1**.



The two photos above show the ten options available for configuring a wireless connection profile; in this case the profile is named **Config1**.

The options available for profile configuration are:

- **Basic Info** - this is where the profile name can be changed if Config1 is no longer wanted; also the priority is set from 1 to 5 - presumably two profiles with the same priority means 'choose the stronger signal'
- **WLAN** - this is where the network ID, SSID or wireless access point name is set
- **WEP** - wired equivalent privacy, or encryption settings: enable/disable; 64/128/256 bit encryption; 4 keys plus default key index setting
- **Authentication** - mode choices include 8021X-MD5, 8021X-TLS, WEB, and None; username and password
- **TCP/IP** - enable DHCP or enter IP address, net mask, gateway, DNS1 and DNS2
- **SIP Outbound Proxy** - if this option is used, the handset will register with the SIP service provider through the name or IP address entered here
- **NAT Traversal** - set the mode for NAT traversal (disabled, SNAT, uPnP, and **STUN**), STUN (enter STUN server IP and port), Static NAT settings (External IP and Start Port)
- **IP DiffServ** - set Signal DSCP and Voice DSCP
- **Coder** - **codec** priorities are set through this option; supported codecs: G.711-uLaw-64k, G.711-ALaw-64k and G.729
- **Jitter Buffer Size** - set the jitter or delay buffer size (milliseconds) used to improve voice quality

SIP Menu and Certs Manager Menu

Below, we see the **SIP** and **Certs Manager** menus available from the Admin menu.



Above left we see the **SIP** menu with the following options:

- **Alias** - set the URL scheme (sip or tel), display name, user info (telephone number),
- **Primary Server** - set the SIP URI user name, domain, and registrar
- **Secondary Server** - set the secondary server as above; fails over from Primary to Secondary if connection to Primary server is lost.
- **Authorization** - set the username and password for SIP registration
- **Expires** - set registration expiration, session expiration and presence expiration

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