

TD61-2471



# WIRELESSIP5000 Administrator Manual

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# Admin menu

Reference) Please refer to the “WIRELESSIP5000 User's Manual” for information on the names of the various WIRELESSIP5000 buttons.

Necessary settings are made when using the phone. Only Administrators are able to set items on the Admin menu.

- 1 Press the LeftSoft key and select the menu.

“6.Select “Admin.”

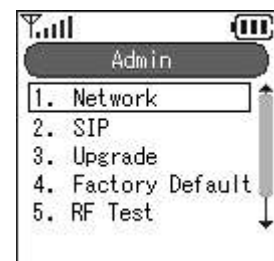
To access the Admin menu, you must enter the Admin password.  
The default value is 0000.



## 1. Network

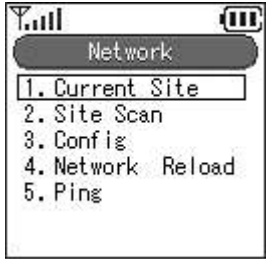
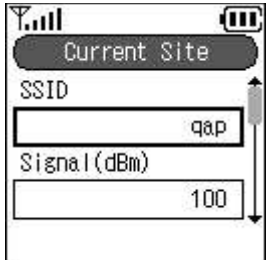
You can check the settings for the type of connected network as well as information about settings.

- 1 Select “1. Network” from the Admin menu.



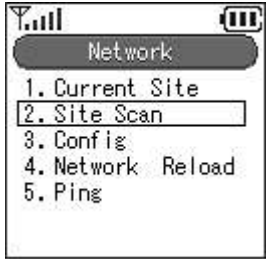

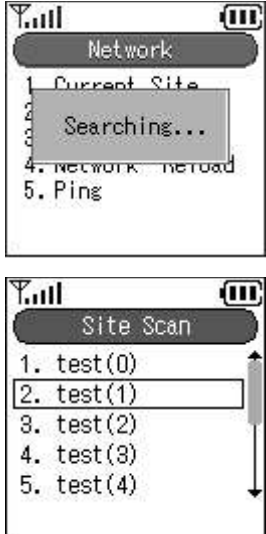
## 2. Current Site

You can check information on the access point you are currently connected to.

<p><b>1</b></p>	<p>Select “1. Current Site” from the Network menu.</p>	
<p><b>2</b></p>	<p>Information on the access point to which you are connected (SSID, Signal (dBm), Mode, Channel, MAC address, Beacon interval, WEP status) is displayed.</p>	



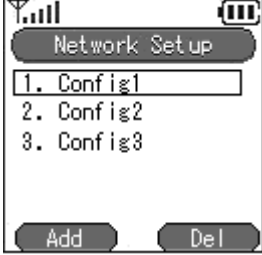


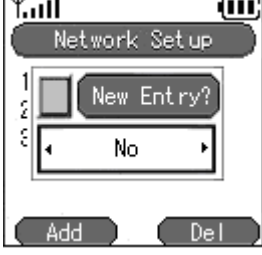


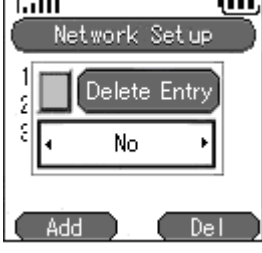
## 3. Site Scan

You can display information on detected signals.

<p><b>1</b></p>	<p>Select “2. Site Scan” from the Network menu.</p>	
<p><b>2</b></p>	<p>A message is displayed during the search.</p> <p>The SSID for access points that were detected during the scan are displayed. If you want to see detailed information, select the SSID and press the  key.</p> <p>Note!!!) At most 10 access points can be displayed.</p>	

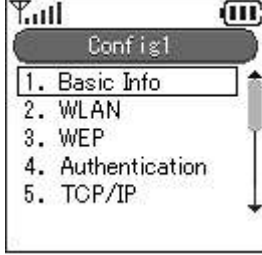
## 4. Config



Configurations can be added and deleted.

<p><b>1</b></p>	<p>Select “3. Config” from the Network menu.</p>	
<p><b>2</b></p>	<p>A list of the configurations is displayed.</p> <p>Use the LeftSoft key to create a configuration, use the RightSoft key to delete a configuration, and select the configuration to change it, and then press the  key.</p> <p>At most three configurations can be stored.</p> <p>Configurations (1~3) given below are the same as the current configuration.</p>	
<p><b>3</b></p>	<p>To add a configuration, press the LeftSoft key.</p> <p>A confirmation message is displayed. Press the   key, and select either “yes” or “no.”</p>	
<p><b>4</b></p>	<p>To delete a configuration, press the RightSoft key after selecting the configuration you want to delete.</p> <p>A confirmation message is displayed. Press the   key, and select either “yes” or “no.”</p> <p>Note!!! Delete configurations (1~3) starting with configuration 3.</p>	

## 5. Basic Info


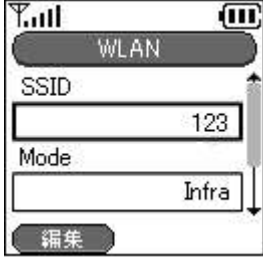
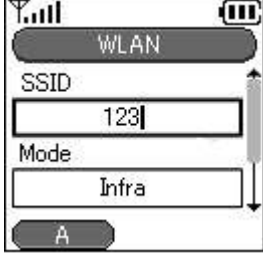
The WIRELESSIP5000 can set the network for each AP (ESS-IS) (Dynamic Networking Binding function). You can set the priority of the various configurations here.

<p><b>1</b></p>	<p>Select “1. Basic Info” from the Default menu.</p>	
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<p><b>2</b></p> <p>Using the LeftSoft key, select “edit.”</p> <p>Priority: 1 &gt; 2 &gt; 3 &gt; 4 &gt; 5</p>	
<p><b>3</b></p> <p>Using the dial pad and LeftSoft key, enter the value.</p> <p>To change the priority, select the box and then press the &lt;&gt; key.</p> <p>When you press the Ⓞ key, the entered value is applied.</p>	

## 6. WLAN

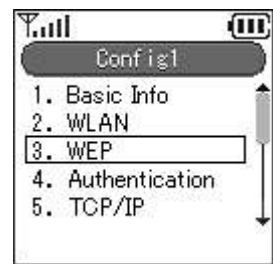
You can set the configuration for connection to wireless LAN, and create the SSID which identifies an access point.

<p><b>1</b></p> <p>Select “2. WLAN” from the Default menu.</p>	
<p><b>2</b></p> <p>Using the LeftSoft key, select “edit.”</p> <p>When the SSID is blank, the connection is made to the nearest access point.</p>	
<p><b>3</b></p> <p>Using the dial pad and LeftSoft key, enter the information.</p> <p>To change the Mode, select the box and press the &lt;&gt; key.</p> <p>When you press the Ⓞ key, the setting is applied.</p>	


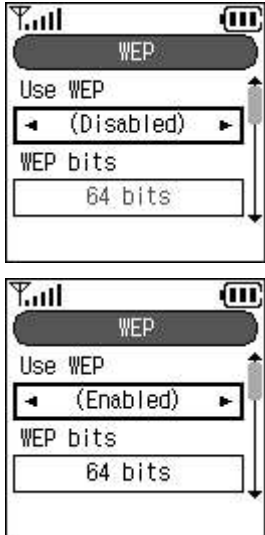

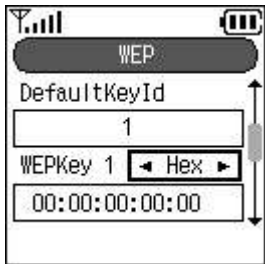
## 7. WEP

WEP key is used for authentication and encryption. WIRELESSIP5000 supports 64/128/256 bit WEP keys.

- 1** Select “3. WEP” from the Default menu.




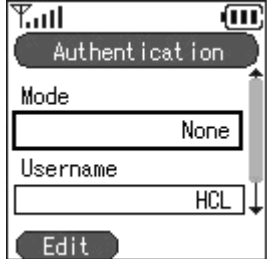




<p><b>2</b></p>	<p>Using the LeftSoft key, select “edit.”</p>													
<p><b>3</b></p>	<p>When Use-WEP is set to “disabled,” the screen will look like the figure on the upper right part of the page.</p> <p>When Use-WEP is set to “enabled,” the screen will look like the figure on the lower right.</p>													
<p><b>4</b></p>	<p>Enter the WEP key. Enter in either hexadecimal or Asc.</p> <table border="1" data-bbox="295 1272 834 1458"> <thead> <tr> <th>Bit</th> <th>Hex</th> <th>Asc</th> </tr> </thead> <tbody> <tr> <td>256 bit</td> <td>232 bit</td> <td>29 characters</td> </tr> <tr> <td>128 bit</td> <td>104 bit</td> <td>13 characters</td> </tr> <tr> <td>64 bit</td> <td>40 bit</td> <td>5 characters</td> </tr> </tbody> </table> <p>When you press the  key, the entered value is applied.</p>	Bit	Hex	Asc	256 bit	232 bit	29 characters	128 bit	104 bit	13 characters	64 bit	40 bit	5 characters	
Bit	Hex	Asc												
256 bit	232 bit	29 characters												
128 bit	104 bit	13 characters												
64 bit	40 bit	5 characters												

## 8. Authentication




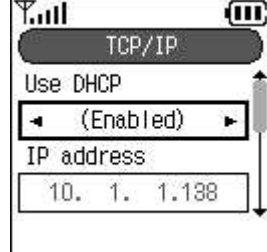
### Authentication related settings

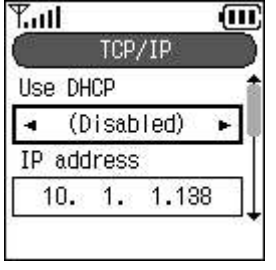
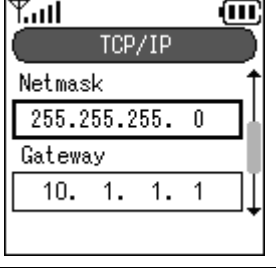
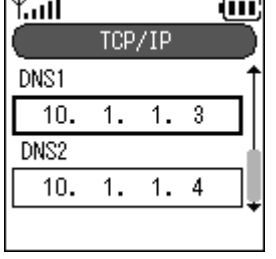
<p><b>1</b></p>	<p>Select “4. Authentication” from the Default menu.</p>	
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<p><b>2</b></p>	<p>Using the LeftSoft key, select “edit.”</p>	
<p><b>3</b></p>	<p>Select one of the following settings: 8021X-MD5, 8021X-TLS, WEB, or None. When you press the  key, the entered value is applied.</p>	

## 9. TCP/IP

You can set the IP address, subnet mask, default gateway, and DNS.


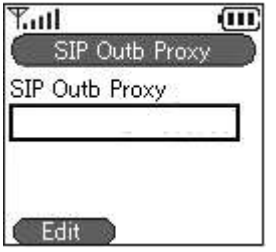
<p><b>1</b></p>	<p>Select “5. TCP/IP” from the Default menu.</p>	
<p><b>2</b></p>	<p>Using the LeftSoft key, select “edit.”</p>	
<p><b>3</b></p>	<p>Press the  key to activate DHCP.</p>	

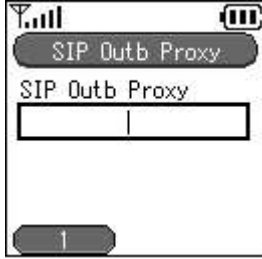


<p><b>4</b></p>	<p>If you want to set the IP address manually, deactivate DHCP, choose the lower box by pressing the ▾ key, and set the IP address.</p>	
<p><b>5</b></p>	<p>Using the ▾ key, scroll down the menu and enter the appropriate netmask and gateway.</p>	
<p><b>6</b></p>	<p>Using the ▾ key, scroll down the menu and enter the appropriate DNS (primary and secondary). When you press the ⊗ key, the entered value is applied.</p>	

## 10. SIP Outb Proxy

You can set the Outbound Proxy server settings.



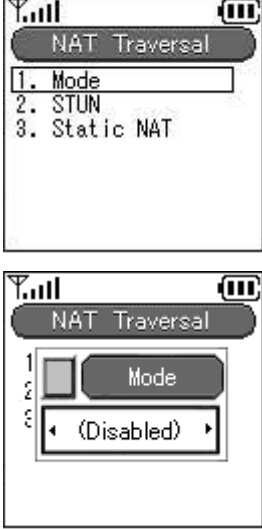
Depending on the system configuration, however, it sometimes is unnecessary to set it.

<p><b>1</b></p>	<p>Select “6. SIP Outb Proxy,” from the Default menu.</p>	
<p><b>2</b></p>	<p>Using the LeftSoft key, select “edit.”</p>	

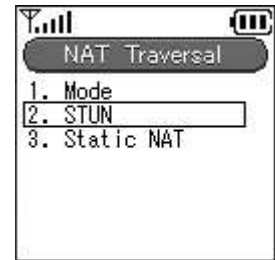
<p><b>3</b></p>	<p>A prompt will appear to enter the IP address for the SIP Outbound Proxy. Enter the IP address.</p>	
<p><b>4</b></p>	<p>When you press the  key, the setting is applied.</p>	

## 11. NAT Traversal

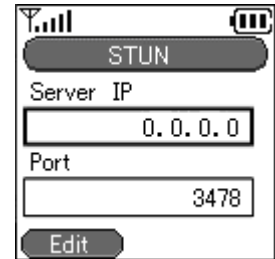
The WIRELESSIP5000 supports both UPnP and StaticNAT, and it is possible to call from within the LAN to outside the LAN through NATBox. When doing so, you can set the UPnP and StaticNAT to match the settings of the NATBox being connected to.

<p><b>1</b></p>	<p>Select “7. NAT Traversal” from the Default menu.</p>	
<p><b>2</b></p>	<p>Select “1. Mode” from the NAT Traversal menu.</p> <p>Select SNAT, UPnP, STUN, or deactivate.</p> <p>When you press the  key, the entered value is applied.</p>	

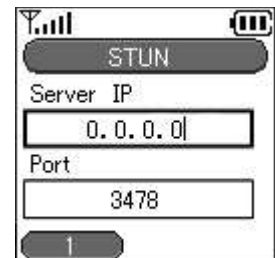
**3** Select “2. STUN” from the NAT Traversal menu.



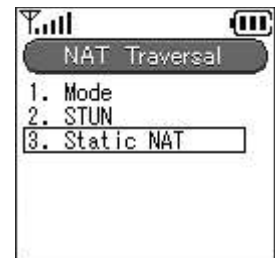
Using the LeftSoft key, select “edit.”



Using the dial pad and LeftSoft key, enter the value.



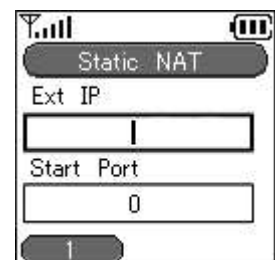
**4** Select “3. Static NAT” from the NAT Traversal menu.



Using the LeftSoft key, select “edit.”

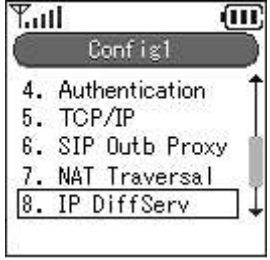
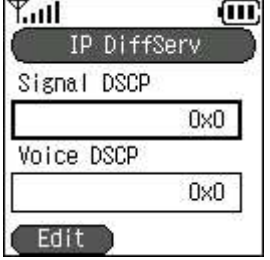
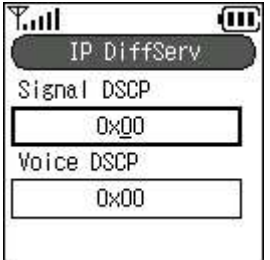


Using the dial pad and LeftSoft key, enter the value.



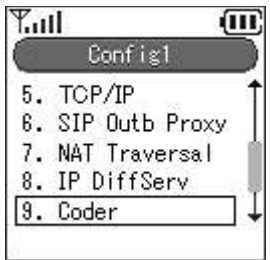
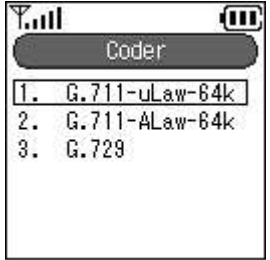
## 12. IP Diffserv



IP Diffserv sets the priority control settings.

<p><b>1</b></p>	<p>Select “8. IP DiffServ” from the Default menu.</p>	
<p><b>2</b></p>	<p>Using the LeftSoft key, select “edit.”</p> <p>Using the dial pad or the <b>VolUp, VolDn</b> keys, set the Jitter Buf Size.</p> <p>Enter the value for the “Signal DSCP” and “Voice DSCP” setting using hexadecimal numbers.</p> <p>Note!!!) Enter a value between the 0x00 and 0x3F.</p> <p>When you press the <b>⊙</b> key, the entered value is applied.</p>	 

## 13. Coder




You can set the CODEC (priority and transmission interval) to match the system configuration.


<p><b>1</b></p>	<p>Select “9. Coder” from the Default menu.</p>	
<p><b>2</b></p>	<p>Select the appropriate one from the Coder menu.</p>	

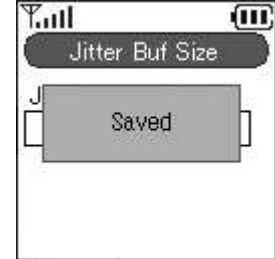
<p><b>3</b></p>	<p>The screen shown to the right gives one of the selected items from the Coder menu. Use the LeftSoft key for corrections.</p>	
<p><b>4</b></p>	<p>Using the dial pad or the <b>VolUp,VolDn</b> keys, set the Priority (1~3) and Multi-frame (20ms ~ 40ms).  When you press the <b>⊙</b> key, the setting is applied.</p>	

#### 14. Jitter Buf Size

Taking into consideration your system configuration, you can optionally set the jitter buffer size.

<p><b>1</b></p>	<p>Select "0. Jitter Buf size" from the Default menu.</p>	
<p><b>2</b></p>	<p>Using the LeftSoft key, select "edit."</p>	
<p><b>3</b></p>	<p>Using the dial pad or the <b>VolUp,VolDn</b> keys, set the Jitter Buf Size.</p>	

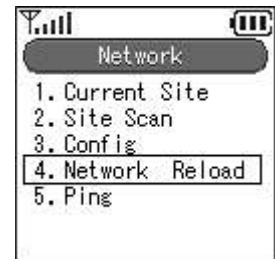
- 4** When you press the  key, the setting is applied.






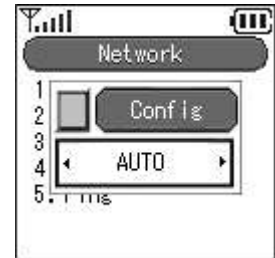
## 15. Network Reload

When taking various actions such as changing settings, adding and deleting configurations, you can perform a reload manually.

- 1** Select “4. Network Reload” from the Network menu.



- 2** Using the   keys, set the configuration to AUTO or Config (1~3).  
Apply by pressing the  key.  
It is reloaded with the selected configuration.



## 16. Ping

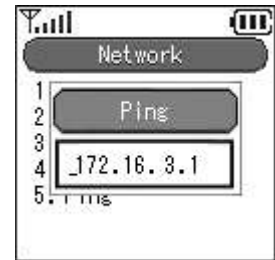
You can confirm a signal by the PING command.


- 1** Select “5. Ping” from the Network menu.





- 2** After the input box appears, enter the IP address that you want to ping.



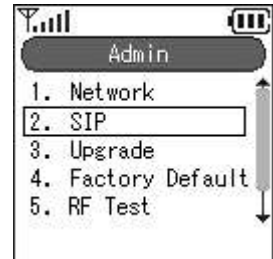
- 3** Start the Ping test using the  key.  
When the ping test is over, press either the End key or the Clear key.



## 17. SIP

You can set items related to telephoning.

- 1 Select "2. SIP" from the Admin menu.



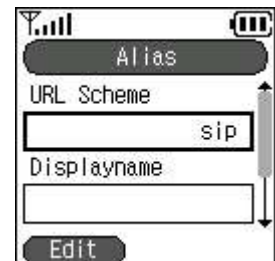
## 18. Alias

Your can set the URL type and telephone number (UserInfo). Set the DisplayName to conform to the environment you are using.

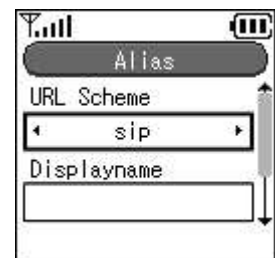
- 1 Select "1. Alias" from the SIP address.




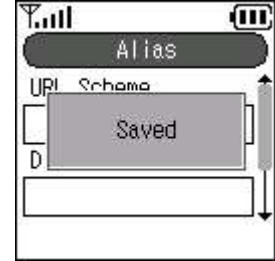
- 2 Using the LeftSoft key, select "edit."



- 3 Select either sip url or tel url as the URL type.  
Enter the Displayname and UserInfo.  
  
You must enter the UserInfo.



- 4** Save the setting by pressing the  key.



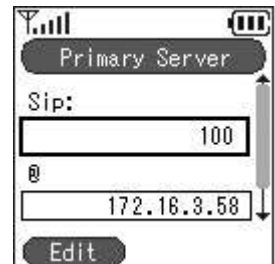
## 19. Primary Server

You can enter settings to match the system configuration.

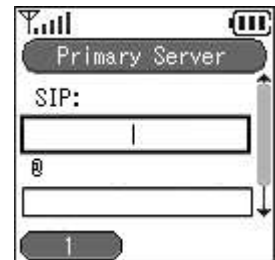
- 1** Select “2. Primary Server” from the SIP menu.




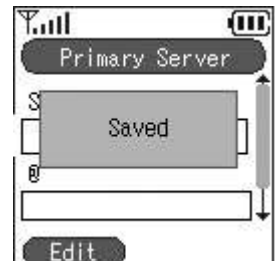
- 2** Using the LeftSoft key, select “edit.”



- 3** Enter an appropriate domain name and SIP registrar server address.  
When the domain name and the SIP registrar server address are the same, you only have to enter the Domain, not the registrar.


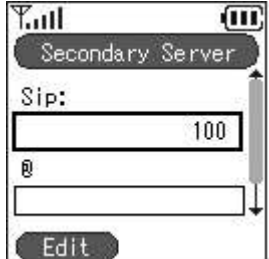
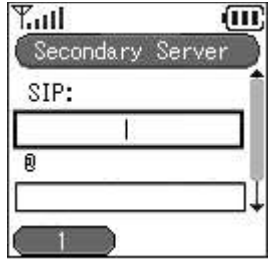

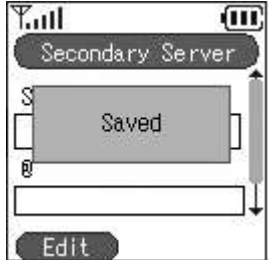


- 4** Save the setting by pressing the  key.



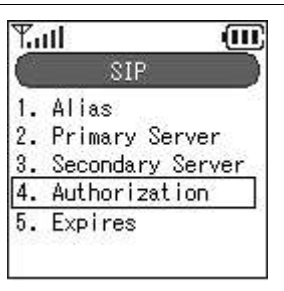




## 20. Secondary Server

Redundant SIP server configuration is supported. When the primary server is down, it automatically fails over to the secondary server. (There are cases when this does not occur properly on account of the connecting device and configuration.)

<p><b>1</b></p>	<p>Select “3. Secondary Server” from the SIP menu.</p>	
<p><b>2</b></p>	<p>Using the LeftSoft key, select “edit.”</p>	
<p><b>3</b></p>	<p>Enter an appropriate domain name and SIP registrar server address.</p> <p>When the domain name and the SIP registrar server address are the same, you only have to enter the Domain, not the registrar.</p>	
<p><b>4</b></p>	<p>Save the setting by pressing the  key.</p>	

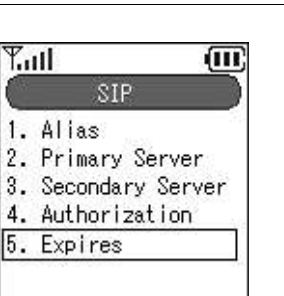
## 21. Authorization



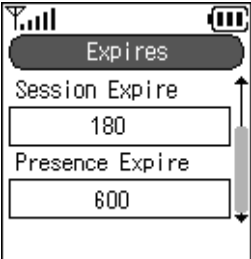

Set the SIP digest authentication.

<p><b>1</b></p>	<p>Select “4. Authorization” from the SIP menu.</p>	 <p>The screenshot shows a mobile phone screen with a status bar at the top. Below the status bar is a dark bar with the text 'SIP'. Underneath is a list of menu items: '1. Alias', '2. Primary Server', '3. Secondary Server', '4. Authorization', and '5. Expires'. The '4. Authorization' item is highlighted with a white background.</p>
<p><b>2</b></p>	<p>Using the LeftSoft key, select “edit.”</p>	 <p>The screenshot shows a mobile phone screen with a status bar at the top. Below the status bar is a dark bar with the text 'Authorization'. Underneath is the label 'Username' followed by an empty text input field. At the bottom of the screen is a dark bar with the text 'Edit' highlighted.</p>
<p><b>3</b></p>	<p>Enter the Authorization User name and Password.</p>	 <p>The screenshot shows a mobile phone screen with a status bar at the top. Below the status bar is a dark bar with the text 'Authorization'. Underneath are the labels 'Username' and 'Password', each followed by a text input field. The 'Username' field contains the text '1'. At the bottom of the screen is a dark bar with the text '1' highlighted.</p>
<p><b>4</b></p>	<p>Save the setting by pressing the  key.</p>	 <p>The screenshot shows a mobile phone screen with a status bar at the top. Below the status bar is a dark bar with the text 'Authorization'. Underneath are the labels 'Username' and 'Password', each followed by a text input field. A grey dialog box with the text 'Saved' is overlaid on the screen. At the bottom of the screen is a dark bar with the text '1' highlighted.</p>

## 22. Expires

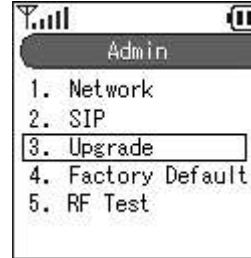
You can set the Regist Expire Time, Session Timer, and Presence Expire Timer.

<p><b>1</b></p>	<p>Select “5. Expires” from the SIP menu.</p>	 <p>The screenshot shows a mobile phone screen with a status bar at the top. Below the status bar is a dark bar with the text 'SIP'. Underneath is a list of menu items: '1. Alias', '2. Primary Server', '3. Secondary Server', '4. Authorization', and '5. Expires'. The '5. Expires' item is highlighted with a white background.</p>
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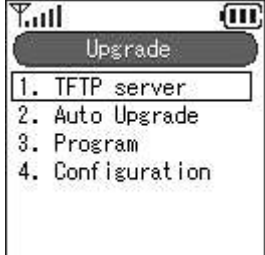

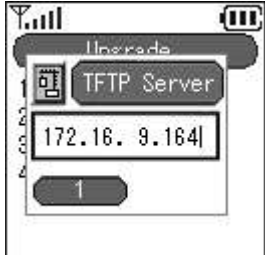
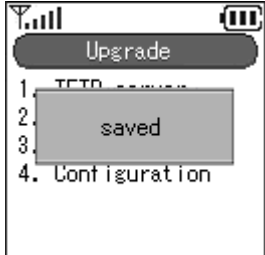
<p><b>2</b></p>	<p>Using the LeftSoft key, select “edit.”</p>	 <p>The screenshot shows a mobile phone screen with the title 'Expires'. Below the title are two input fields: 'Regist Expire' with the value '3600' and 'Session Expire' with the value '180'. At the bottom of the screen is a button labeled 'Edit'.</p>
<p><b>3</b></p>	<p>Set Regist Expire and Session Expire.</p>	 <p>The screenshot shows the same 'Expires' menu. The 'Regist Expire' field now contains '3600' and the 'Session Expire' field contains '180'. The 'Edit' button is no longer visible.</p>
<p><b>4</b></p>	<p>Using the <math>\nabla</math> key, scroll to the bottom of the screen and enter the appropriate Presence Expire.</p>	 <p>The screenshot shows the 'Expires' menu. The 'Session Expire' field contains '180' and a new 'Presence Expire' field has appeared below it with the value '600'.</p>
<p><b>5</b></p>	<p>Save the setting by pressing the <math>\odot</math> key.</p>	 <p>The screenshot shows the 'Expires' menu. A grey box with the text 'Saved' is overlaid on the screen, indicating the settings have been saved. The 'Session Expire' field still shows '180'.</p>

## 23. Upgrade

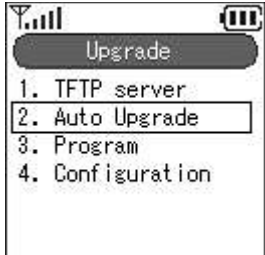


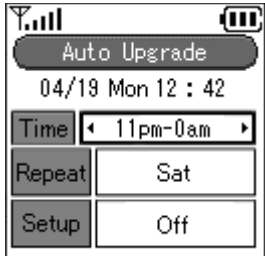
You can upgrade the software and configuration.

<p><b>1</b></p>	<p>Select “3. Upgrade” from the Admin menu.</p>	 <p>The screenshot shows a mobile phone screen with the title 'Admin'. Below the title is a list of menu items: '1. Network', '2. SIP', '3. Upgrade', '4. Factory Default', and '5. RF Test'. The '3. Upgrade' item is highlighted with a grey background.</p>
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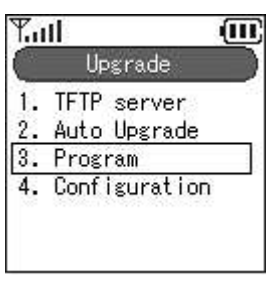

## 24. TFTP server

<p><b>1</b></p>	<p>Select “1. TFTP server” from the Upgrade menu.</p>	
<p><b>2</b></p>	<p>When the input box appears, enter the TFTP server IP address.</p> <p>Save the setting by pressing the  key.</p>	 



## 25. Auto Upgrade

<p><b>1</b></p>	<p>Select “2. Auto Upgrade” from the Upgrade menu.</p>	
<p><b>2</b></p>	<p>Using the   keys, select the setting.</p>	


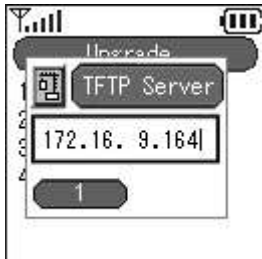



## 26. Program

<p><b>1</b></p>	<p>Select “3. Program” from the Upgrade menu.</p> <p>When “3. Software” is chosen, the software and configuration are upgraded.</p>	 <p>The screenshot shows a mobile phone screen with a signal strength indicator, a battery icon, and a title bar labeled 'Upgrade'. Below the title bar is a list of four options: '1. TFTP server', '2. Auto Upgrade', '3. Program', and '4. Configuration'. The '3. Program' option is highlighted with a white background and a black border.</p>
<p><b>2</b></p>	<p>A warning message is displayed.</p> <p>Press the ◀ ▶ keys, and select either “yes” or “no.” (1.3.4 Refer to Configuration)</p>	 <p>The first screenshot shows the same 'Upgrade' screen as above, but with a warning message displayed in a text box: '&lt;Warning&gt; Incorrect upgrading may cause malfunction to this phone.' The second screenshot shows a confirmation dialog with the title '注意' (Attention) and the text 'Upgrade Program?'. At the bottom, there are two buttons: 'はい' (Yes) and 'いいえ' (No).</p>

## 27. Configuration

<p><b>1</b></p>	<p>Select “4. Configuration” from the Upgrade menu.</p> <p>When “4. Configuration” is selected, only the configuration is upgraded.</p>	 <p>The screenshot shows the same 'Upgrade' screen as in the previous section, but now the '4. Configuration' option is highlighted with a white background and a black border.</p>
<p><b>2</b></p>	<p>A warning message is displayed.</p>	 <p>The screenshot shows the same warning message as in the previous section: '&lt;Warning&gt; Incorrect upgrading may cause malfunction to this phone.'</p>

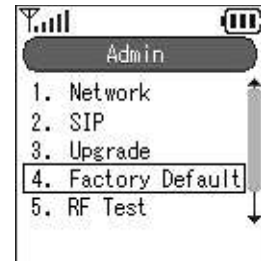


<p><b>3</b></p>	<p>Press the ◀ ▶ keys, and select either “yes” or “no.”</p>	
<p><b>4</b></p>	<p>Using the dial pad and LeftSoft key, enter the IP address for the TFTP server.</p>	
<p><b>5</b></p>	<p>A download screen, like the one to the right, will appear.</p>	
<p><b>6</b></p>	<p>After downloading, a screen to confirm the upgrade will appear.</p>	
<p><b>7</b></p>	<p>Press the ◎ key, and the program will upgraded.</p> <p>If you press another button, the upgrade will be cancelled.</p>	

## 28. Factory Default

Settings can be reset to the factory default values.

- 1** Select “4. Factory Default” from the Admin menu.



- 2** A warning message is displayed.
- Press the ◀ ▶ key, and select either “yes” or “no.”





## 29. RF Test

Note!!!) Since this is a function used to check settings when the device is shipped from the factory, do not use it in normal situations.


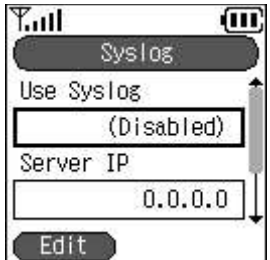
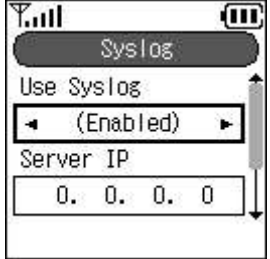
### 30. Web Server

It is possible to configure and access the boot-ROM and software from the network using a WEB browser. You can turn the Web Server function on/off from here.

<p><b>1</b></p>	<p>Select “6. Web Server” from the Admin menu.</p>	
<p><b>2</b></p>	<p>Using the ◀ ▶ keys, set Web Server to either on or off. Apply by pressing the ⊙ key.</p>	

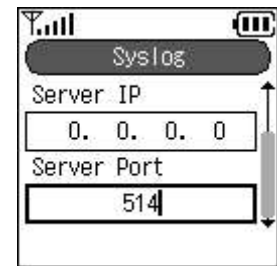
### 31. Syslog

The WIRELESSIP5000 can send information on the system log containing items such as events that occurred on the system to the Syslog server. Settings can be entered to match Syslog server configuration.

<p><b>1</b></p>	<p>Select “7. Syslog” from the Admin menu.</p>	
<p><b>2</b></p>	<p>Using the LeftSoft key, select “edit.”</p>	
<p><b>3</b></p>	<p>After setting User-Syslog to “enable,” the screen will look like the figure to the right. * Change the Mode color to black.</p>	

- 4** Using the  $\nabla$  key, scroll down to the bottom of the menu screen, and enter the appropriate Server IP and Server Port.

Apply by pressing the  $\odot$  key.



## 32. Certs Manager

When running 802.1x (EAP-TLS), root certificate and private certificate information can be imported and checked.

- 1** Select "8. Certs Manager" from the Admin menu.

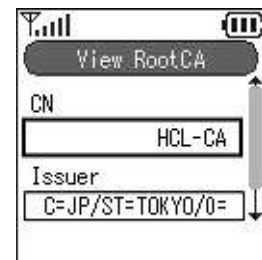


- 2** Select "1. View RootCA" from the Certs Manager menu.



Check the setting using the  $\triangle$   $\nabla$  keys.

(CN, Issuer, Not Before, Not After, Serial, Signature, Subject, Version, SPubKeyAlgorithm)

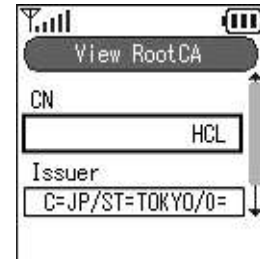


**3** Select “2. View PrivateCA” from the Certs Manager menu.



Check the setting using the  $\Delta$   $\nabla$  keys.

(CN, Issuer, Not Before, Not After, Serial, Signature, Subject, Version, SPubKeyAlgorithm)



**4** Select “3. Down RootCA” from the Certs Manager menu.



A warning message is displayed.



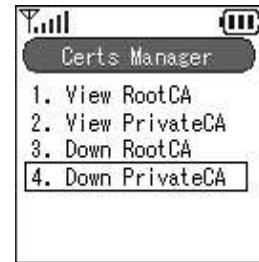
Press the  $\triangleleft$   $\triangleright$  keys, and select either “yes” or “no.”



5 Select "4. Down PrivateCA" from the Certs Manager menu.

A warning message is displayed.

Press the ◀ ▶ keys, and select either "yes" or "no."



## Boot-ROM menu

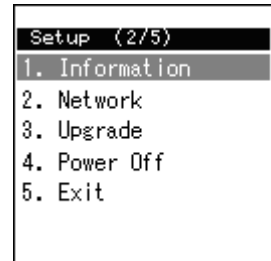
WIRELESSIP5000 has both a normal mode and boot-ROM mode used for maintenance. In the boot-ROM mode, not only software but also a boot-ROM corresponding to the OS can be uploaded.

It is possible to upgrade from the boot-ROM menu on WIRELESSIP5000. Upgrade using the following procedure.

Note!!!) Network settings on the boot-ROM menu are only valid in the boot-ROM menu. Network settings used during normal operation are set from the Admin menu.

### 33. Opening the boot-ROM menu

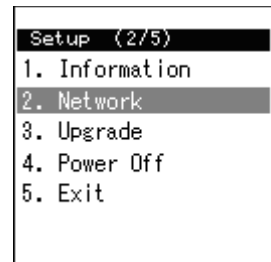
- 1 Press the End key and the LeftSoft key at the same time.  
Two seconds later, the boot-ROM menu will appear.



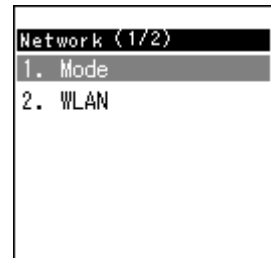
### 34. Network settings

Before upgrading, it is necessary to set the network settings. Network settings are entered from the Boot-ROM menu; it is not necessary to enter the settings from the Admin menu. Boot-ROM menu network settings only allow wireless LAN and TCP/IP.

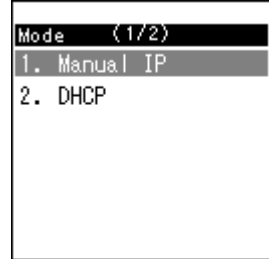
- 1 Select "2. Network."



- 2 Select "1. Mode."



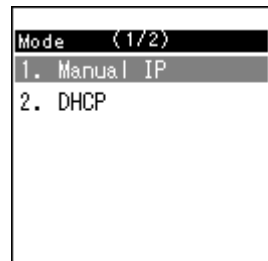
- 3** You can select either manual IP or DHCP.
- When selecting manual IP, refer to “1.2.1 Manual IP.”
  - When selecting DHCP, refer to “1.2.2 DHCP.”



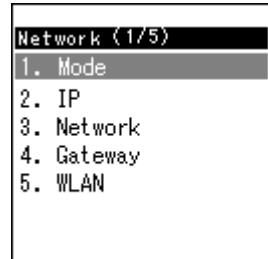
### 35. Manual IP

When using manual IP, values for the IP address, sub-network mask, and default gateway are necessary.

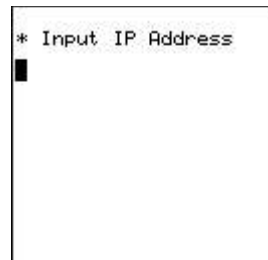
- 1** Select “1. Manual IP.”



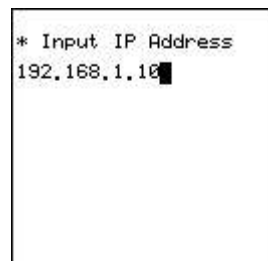
- 2** The following items have been added to the “Network” menu: “IP,” “Netmask,,” and “Gateway.”  
When using manual IP, enter these values.



- 3** Select “2. IP.”



- 4** Enter the IP address. Enter a period using the \* key.  
After entering the IP address, press the  $\odot$  key to set the values.

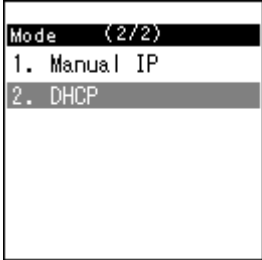
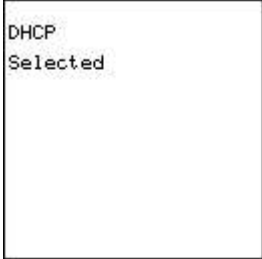
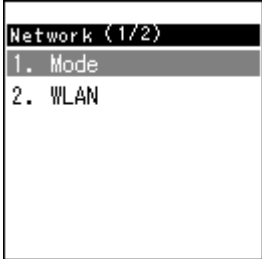




<p><b>5</b></p>	<p>Press the End key.</p>	<pre>* Automatic update   Netmask &amp; Gateway   Yes  : [ENTER]   No   : [ END ]</pre>
<p><b>6</b></p>	<p>Select “3. Netmask.”</p>	<pre>Network (3/5) 1. Mode 2. IP 3. Network 4. Gateway 5. WLAN</pre>
<p><b>7</b></p>	<p>Enter the netmask. Enter a period using the* key. After entering the netmask, press the Ⓞ key to set the values.</p>	<pre>* Input Netmask 255.255.255.0</pre>
<p><b>8</b></p>	<p>Select “4. Gateway.”</p>	<pre>Network (4/5) 1. Mode 2. IP 3. Network 4. Gateway 5. WLAN</pre>
<p><b>9</b></p>	<p>Enter the gateway. Enter a period using the * key. After entering the gateway, press the Ⓞ key to set the values.</p>	<pre>* Input Def. Gateway 192.168.1.1</pre>

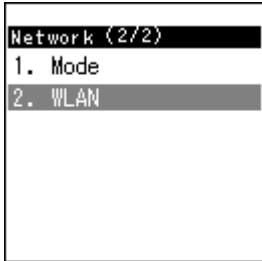
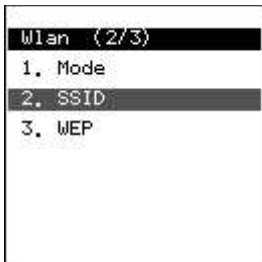
### 36. DHCP

When using DHCP, the values for the IP address, netmask, and default gateway are automatically retrieved from the DHCP server.

<b>1</b>	Select "2. DHCP."	
<b>2</b>	A screen, like the one to the right, will appear.	
<b>3</b>	The following items are deleted from the "Network" menu: "IP," "Netmask," and "Gateway."	

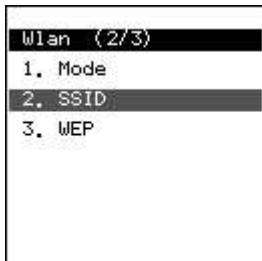

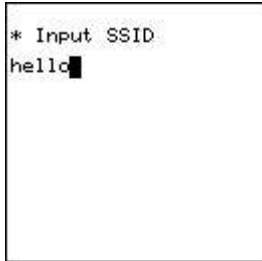
### 37. WLAN settings

Enter the settings for wireless LAN. When not using SSID and WEP key, jump to section 1.4.

<p><b>1</b></p>	<p>Select “2. WLAN.”</p>	
<p><b>2</b></p>	<ul style="list-style-type: none"> <li>- When setting SSID, refer to “2.3.1 SSID.”</li> <li>- When setting WEP key, refer to “2.3.2 WEP key.”</li> </ul> <p>Note!!!) Change the setting after reading about the various features of each Mode in “1. Mode.” While it is possible to select “Infra/Ad-hoc,” it is possible that normal operation and network connections will be negatively affected if you make mistakes with the procedure.</p> <p>Note!!!) For version “v1.4.3”, only “Infra” is supported.</p>	


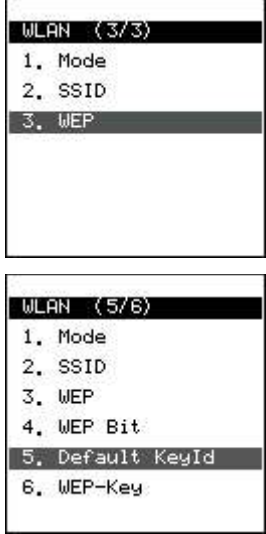
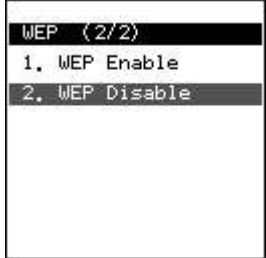

### 38. SSID

SSID is used to connect to a specific access point.

<p><b>1</b></p>	<p>Select “2. SSID.”</p>	
<p><b>2</b></p>	<p>Enter the SSID value for the access point you want to connect to. After entering the value, press the  key.</p>	

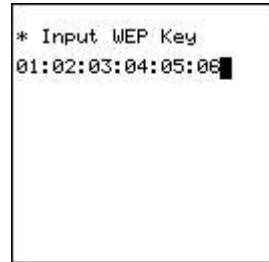
### 39. WEP key

WEP key is used for authentication and encryption.

<p><b>1</b></p>	<p>Select “3. WEP.”</p>	 <p>Wlan (3/3) 1. Mode 2. SSID 3. WEP</p>
<p><b>2</b></p>	<p>When WEP is disabled, a screen, like the one to the right, will appear.</p> <p>When WEP is enabled, a screen, like the one to the right, will appear.</p>	 <p>WLAN (3/3) 1. Mode 2. SSID 3. WEP</p> <p>WLAN (5/6) 1. Mode 2. SSID 3. WEP 4. WEP Bit 5. Default KeyId 6. WEP-Key</p>
<p><b>3</b></p>	<p>When not using WEP, select “2. WEP disable.” Proceed to the following section when after entering the settings.</p>	 <p>WEP (2/2) 1. WEP Enable 2. WEP Disable</p>
<p><b>4</b></p>	<p>When using WEP, select “1. WEP Enable.”</p>	 <p>WEP (1/2) 1. WEP Enable 2. WEP Disable</p>

<p><b>5</b></p>	<p>Select "WEP Bit." WIRELESSIP5000 supports 64/128/256 bit encryption.</p>	<pre> WLAN (3/6) 1. Mode 2. SSID 3. WEP 4. WEP Bit 5. Default KeyId 6. WEP-Key         </pre> <pre> WEP Bit (1/3) 1. 64 Bit 2. 128 Bit 3. 256 Bit         </pre>
<p><b>6</b></p>	<p>Select "Default KeyID," and enter the Index number. The default KeyID is connected to the WEP-Key.</p> <p>After setting the Default KeyID to 1, it is necessary to enter WEP-Key for WEP-key 1 in step 8.</p>	<pre> WLAN (5/6) 1. Mode 2. SSID 3. WEP 4. WEP Bit 5. Default KeyId 6. WEP-Key         </pre> <pre> * Input Index(1-4) 1         </pre>
<p><b>7</b></p>	<p>Select "6. EP-Key."</p>	<pre> WLAN (6/6) 1. Mode 2. SSID 3. WEP 4. WEP Bit 5. Default KeyId 6. WEP-Key         </pre>
<p><b>8</b></p>	<p>Select one of the following for the "WEP-Key:" 1, 2, 3, or 4.</p>	<pre> WEP-Key (1/4) 1. WEP-Key1 2. WEP-Key2 3. WEP-Key3 4. WEP-Key4         </pre>

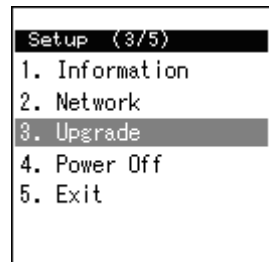
- 9** Using the dial pad, enter the WEP Key. Pressing the # key enters a “:”.  
 Note!!!) Enter the WEP Key using hexadecimal numbers.



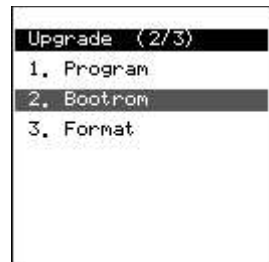
## 40. Boot-ROM upgrade

When upgrading the boot-ROM through a TFTP server, it is necessary to un-zip the boot-ROM folder on the TFTP server beforehand.

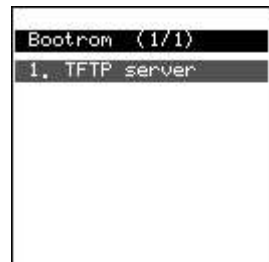
- 1** Select “3. Upgrade.”




- 2** Select “2. Boot-ROM.”



- 3** Select “1. TFTP server.”




- 4** Using the dial pad, enter the IP address for the TFTP server. (Use the \* key to enter a period.) After entering the IP address, press the  key.

If you enter an incorrect IP address for the TFTP server, a screen, like the one in the figure to the right, will appear.

```
* Input TFTP Server
10.1.1.40
```


```
* ERROR *
Fail to download
bootrom.bin
```

- 5** After downloading, a screen, like the one to the right, will appear. Pressing the  key, will write the contents into flash memory.

Warning!!!) If the boot-ROM for WIRELESSIP5000 is upgraded by an inappropriate or damaged file, it might not be possible to restore it. Upgrade after carefully checking that the TFTP settings are correct.

Warning!!!) Do not turn off the power when writing the boot-ROM into flash memory. It may not be possible to restore it.

If one of the above situations occurs, contact the store or dealer you purchased the product from.

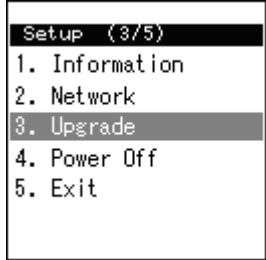
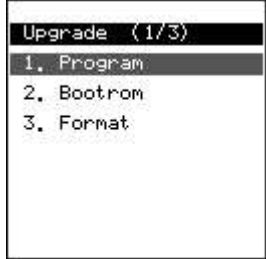


Warning!!!) When downgrading the boot-Rom, press  the key twice if a screen, like the one to the right, appears.

```
* Bootrom Upgrade?
Yes  : [ENTER]
No   : [ END ]
```

```
DO NOT POWER DOWN!!
bootrom.bin
40%
```

## 41. Software upgrade

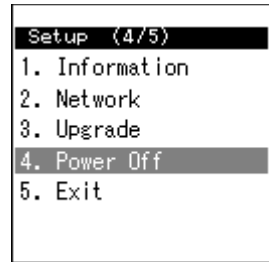
When upgrading software through the TFTP server, it is necessary to un-zip the software on the TFTP server beforehand.

<p><b>1</b></p>	<p>Select "3. Upgrade."</p>	 <pre> Setup (3/5) 1. Information 2. Network 3. Upgrade 4. Power Off 5. Exit                     </pre>
<p><b>2</b></p>	<p>Select "1. Program."</p> <p>After selecting "3. Format," the software and software settings will be deleted.</p>	 <pre> Upgrade (1/3) 1. Program 2. Bootrom 3. Format                     </pre>
<p><b>3</b></p>	<p>Select "1. TFTP server."</p>	 <pre> Program (1/1) 1. TFTP server                     </pre>
<p><b>4</b></p>	<p>After downloading, the software will automatically start up.</p>	 <pre> Now Downloading... qstr.bin     512  Running...                     </pre>

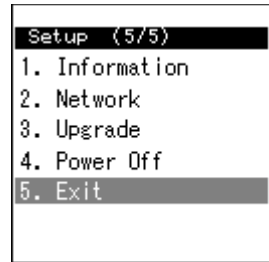


## 42. Closing the Boot-ROM menu

- 1** After selecting “4. Power off,” the power can be turned off after closing the boot-ROM menu.



After selecting “5. Exit,” turn on the power after closing the boot-ROM.



# Troubleshooting

## 43. General

Phenomena	Response
WIRELESSIP5000 does not start.	The battery is dead. If the battery is dead, WIRELESSIP5000 will not start and the LED will not light up. After recharging the battery using the AC adapter, try to restart it again.
A key will not work.	Remove the battery, and then reconnect it.
You can hardly see the screen.	Adjust the contrast using the Menu>Setting>Brightness adjustment.
There is a vertical line on the screen.	If it has not been used for a long time, there are cases when the line appears right after starting it up. This can also occur if the battery has been improperly removed.
Communication is bad, or phone suddenly disconnects.	It is possible that you are too far from the access point, the signal is being weakened by an obstruction such as a wall, or there is electromagnetic interference. Check the signal level and interference using Menu>Admin>Network>Sitescan.
The standby time is different to that in the specifications.	The battery standby time can be different from that noted in the specifications on account of the access point configuration or settings. Also, the standby time can be shortened due to high temperature or a low sound environment.
WIRELESSIP5000 heats up.	When the WIRELESSIP5000 is located outside the range of the access point, there are situations when the device consumes power as when telephoning. The device can heat up slightly on account of this. The heat will not effect operation.
The sound level is too low.	Using the volume button, adjust the sound level.
After restarting, the time reverts to the default value.	Since WIRELESSIP5000 cannot maintain the time when the power is off, it is necessary to retrieve time information from the NTP server.

\* When problems other than those discussed above occur, consult the store or dealer from whom you purchased the product. ▽ ⊙ ◀