

1. Boot-ROM menu

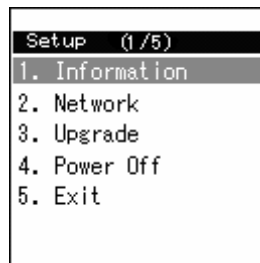
WirelessIP 5000 has both a normal mode and boot-ROM mode used for maintenance. In the boot-ROM mode, not only software but also a boot-ROM corresponding to the OS can be uploaded.

It is possible to upgrade from the boot-ROM menu on WirelessIP 5000. 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.

1.1 Opening the boot-ROM menu

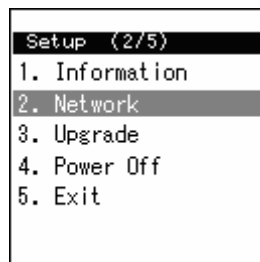
- 1 Press the **[End]** key and the **[LeftSoft]** key at the same time.
Two seconds later, the boot-ROM menu will appear.



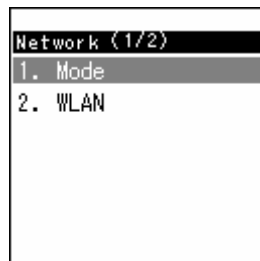
1.2 Network settings

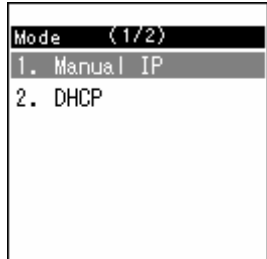
Before upgrading, it is necessary to set the network settings. Network settings are entered from the Boot-ROM menu; it is not necessary to enter the settings from the Admin menu. Boot-ROM menu network settings only allow wireless LAN and TCP/IP.

- 1 Select "2. Network."



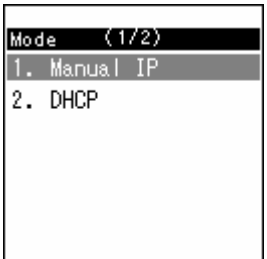
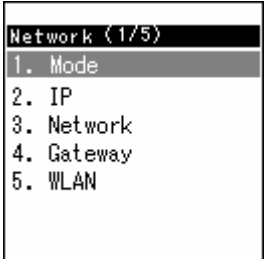
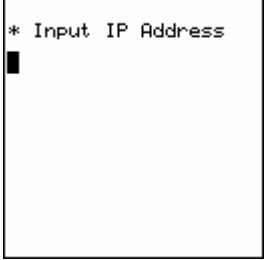


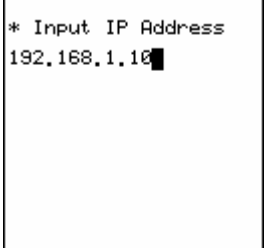
- 2 Select "1. Mode."



<p>3</p>	<p>You can select either manual IP or DHCP.</p> <ul style="list-style-type: none"> - When selecting manual IP, refer to “3.2.1 Manual IP.” - When selecting DHCP, refer to “1.2.2 DHCP.” 	 <pre> Mode (1/2) 1. Manual IP 2. DHCP </pre>
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1.2.1 Manual IP

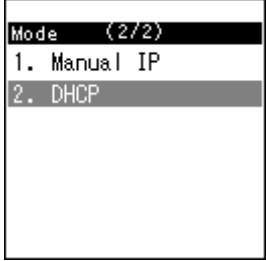

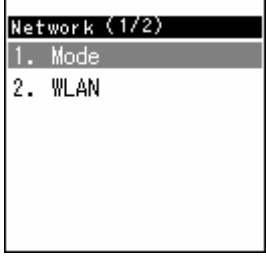
When using manual IP, values for the IP address, sub-network mask, and default gateway are necessary.

<p>1</p>	<p>Select “1. Manual IP.”</p>	 <pre> Mode (1/2) 1. Manual IP 2. DHCP </pre>
<p>2</p>	<p>The following items have been added to the “Network” menu: When using manual IP, enter these values.</p>	 <pre> Network (1/5) 1. Mode 2. IP 3. Network 4. Gateway 5. WLAN </pre>
<p>3</p>	<p>Select “2. IP.”</p>	 <pre> * Input IP Address █ </pre>
<p>4</p>	<p>Enter the IP address. Enter a period using the * Press the  key after entering the IP address.</p>	 <pre> * Input IP Address 192.168.1.10█ </pre>

5	Press the End key.	<pre>* Automatic update Netmask & Gateway Yes : [ENTER] No : [OTHER]</pre>
6	Select "3. Netmask."	<pre>Network (3/5) 1. Mode 2. IP 3. Network 4. Gateway 5. WLAN</pre>
7	Enter the netmask. Enter a period using the * Press the ⊙ key after entering the netmask.	<pre>* Input Netmask 255.255.255.0</pre>
8	Select "4. Gateway."	<pre>Network (4/5) 1. Mode 2. IP 3. Network 4. Gateway 5. WLAN</pre>
9	Enter the gateway. Enter a period using the * Press the ⊙ key after entering the gateway.	<pre>* Input Def. Gateway 192.168.1.1</pre>

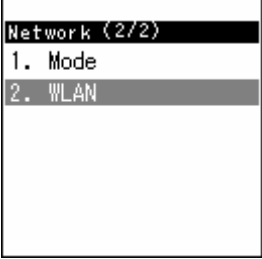
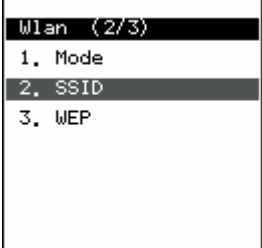
1.2.2 DHCP

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

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

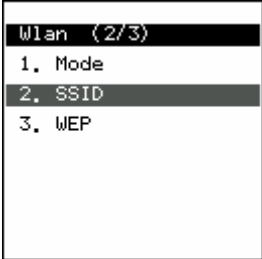

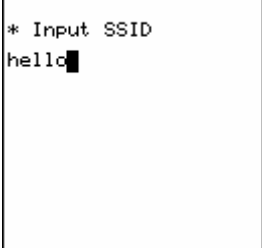
1.3 WLAN settings

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

1	Select "2. WLAN".	
2	<ul style="list-style-type: none">- When setting SSID, refer to "3.3.1 SSID."- When setting WEP key, refer to "3.3.2 WEP key." <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>	


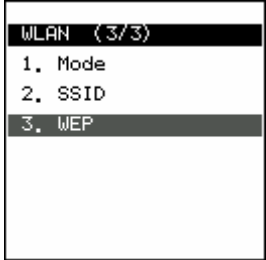

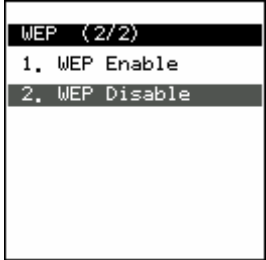

1.3.1 SSID

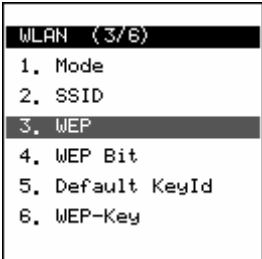
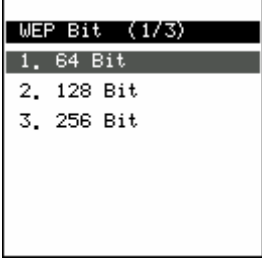
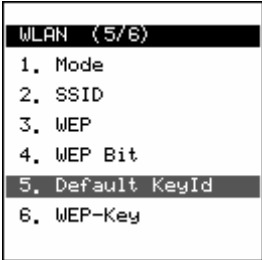
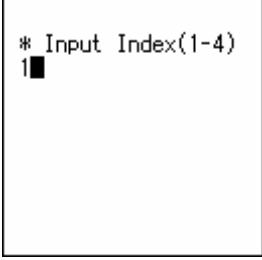

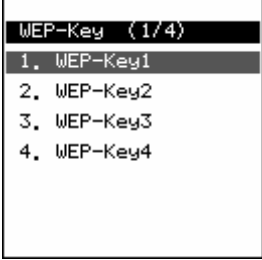
SSID is used to connect to a specific access point.

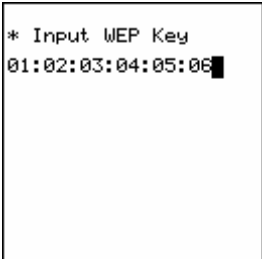
1	Select "2. SSID".	
2	Enter the SSID value for the access point you want to connect to. After entering the value, press the  key.	

1.3.2 WEP key

The WEP key is used for authentication and encryption.

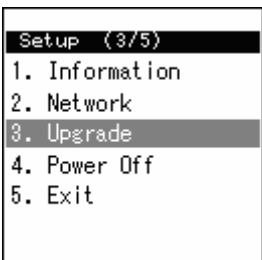
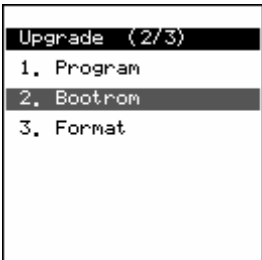

1	Select "3. WEP".	 <pre>Wlan (3/3) 1. Mode 2. SSID 3. WEP</pre>
2	When WEP is disabled, a screen, like the one to the right, will appear. When WEP is enabled, a screen, like the one to the right, will appear.	 <pre>WLAN (3/3) 1. Mode 2. SSID 3. WEP</pre>  <pre>WLAN (5/6) 1. Mode 2. SSID 3. WEP 4. WEP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




<p>5</p>	<p>Select “WEP Bit”. WirelessIP 5000 supports 64/128/256 bit.</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>6</p>	<p>Select “Default KeyID”, and enter the Index number. The default KeyID is connected to the WEP-Key.</p> <p>When the Default KeyID is set to 1, it is necessary to enter “WEP-key 1 for the WEP-Key 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>7</p>	<p>Select “6. WEP-Key”.</p>	 <pre> WLAN (6/6) 1. Mode 2. SSID 3. WEP 4. WEP Bit 5. Default KeyId 6. WEP-Key </pre>
<p>8</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>

<p>9</p>	<p>Using the dial pad, enter the WEP Key. Pressing the # key enters a “.”. Note!!!: Enter the WEP Key using hexadecimal numbers. Warning!: Enter “.” after every 2 characters.</p>	 <p>* Input WEP Key 01:02:03:04:05:06</p>
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1.4 Boot-ROM upgrade

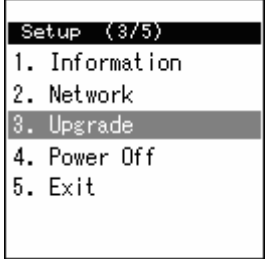



When upgrading the boot-ROM through a TFTP server, it is necessary to un-zip the boot-ROM folder on the TFTP server beforehand.

<p>1</p>	<p>Select “3. Upgrade”.</p>	 <p>Setup (3/5) 1. Information 2. Network 3. Upgrade 4. Power Off 5. Exit</p>
<p>2</p>	<p>Select “2. Boot-ROM”.</p>	 <p>Upgrade (2/3) 1. Program 2. Bootrom 3. Format</p>
<p>3</p>	<p>Select “1. TFTP server”.</p>	 <p>Bootrom (1/1) 1. TFTP server</p>

<p>4</p>	<p>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.</p> <p>If you enter an incorrect IP address for the TFTP server, a screen like the one in the figure to the right will appear.</p>	<div data-bbox="1139 280 1406 539" style="border: 1px solid black; padding: 5px;"> <pre>* Input TFTP Server 10.1.1.40</pre> </div> <div data-bbox="1139 555 1406 815" style="border: 1px solid black; padding: 5px;"> <pre>* ERROR * Fail to download bootrom.bin</pre> </div>
<p>5</p>	<p>After downloading, a screen, like the one to the right, will appear. Pressing the  key will write the contents into flash memory.</p> <p>Warning!: If the boot-ROM for WirelessIP 5000 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.</p> <p>Warning!!!: Do not turn off the power when writing the boot-ROM into flash memory. It may not be possible to restore it.</p> <p>If one of the above situations occurs, contact the store or dealer you purchased the product from.</p>	<div data-bbox="1139 853 1406 1113" style="border: 1px solid black; padding: 5px;"> <pre>* Bootrom Upgrade? Yes : [ENTER] No : [END]</pre> </div> <div data-bbox="1139 1128 1406 1388" style="border: 1px solid black; padding: 5px;"> <pre>DO NOT POWER DOWN!! bootrom.bin 40%</pre> </div>

1.5 Software upgrade

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

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

1.6 Closing the Boot-ROM menu

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

```
Setup (4/5)
1. Information
2. Network
3. Upgrade
4. Power Off
5. Exit
```

Selecting “5. Exit” closes the boot-ROM and restarts the terminal.

```
Setup (5/5)
1. Information
2. Network
3. Upgrade
4. Power Off
5. Exit
```

