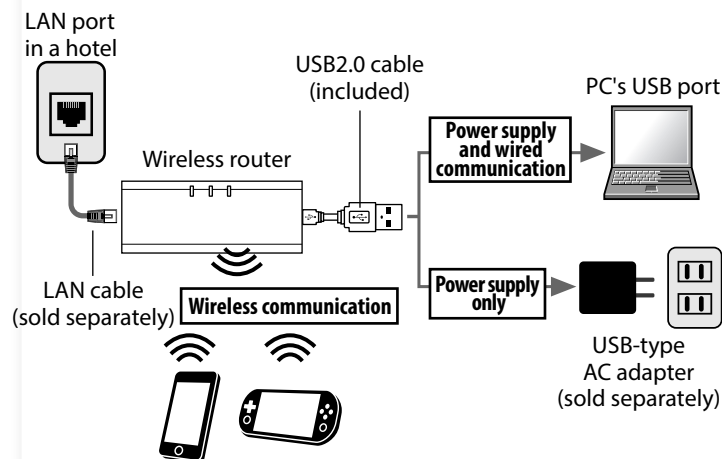


## Setup guide ①

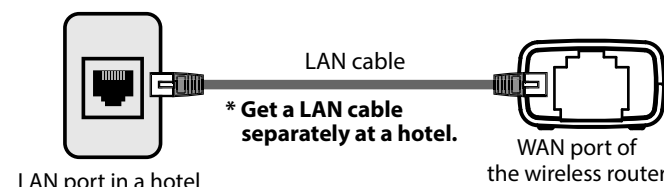
### Features

- ① Connecting to the LAN port in the hotel room creates a wireless LAN router that allows you to conveniently use Wi-Fi.
- ② The product is compatible with a USB power supply, and you can choose the power source based on your surroundings.
- ③ When connected to a PC's USB port, the wireless router can be used as a wired LAN adapter.  
\* Windows® 8.1/8/7/Vista, XP (SP3 or later), Mac OS X 10.6 to 10.8 only



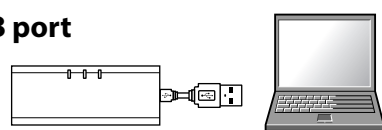
## Procedure 1 Preparation

- ① Connect the LAN cable to the LAN port in your hotel room and to this product's WAN port.



- ② Connect the USB cable to the router's power supply jack, and then use one of the following methods to supply power to the product.

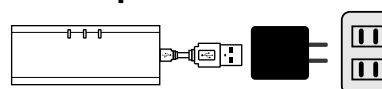
#### To use a PC's USB port



➡ Proceed to step ③.

\* Do not connect the wireless router to the PC at this time.

#### To use a USB-type AC adapter



➡ Proceed to step ④.

\* Plug the wireless router into a household outlet at this time.

- ③ Install this product's built-in wired LAN adapter driver.

! This item refers to a procedure that is only necessary the first time that you connect this product to a PC.

\* Please close all applications in use before beginning. In addition, please temporarily disable any security software. (Please reference the security software instruction manual for the detailed procedure.)

\* Please install while logged in as an administrator.

### Windows

- ① Wait until the PC has completed its startup procedure, and then connect the wireless router to the PC's USB port.

- ② The "AutoPlay" dialogue box is displayed automatically. Click [Run Setup.exe].

\* On Windows 8/7/Vista, when "User Account Control" screen is displayed, click [YES] or [Allow].

\* On Windows XP, if the "Found New Hardware Wizard" screen is displayed, click [Cancel]. If a message stating "Found New Hardware" is displayed on the screen, open the "Setup" drive from My Computer, and then click [Setup.exe] to proceed with the installation.

▲ Installation of the driver is now completed.

### Mac OS

- ① Click the [Apple menu] in the upper left of the screen, and then click [System Preferences].

- ② Click [Network].

- ③ Click [+ (addition)] in the lower left of the screen.

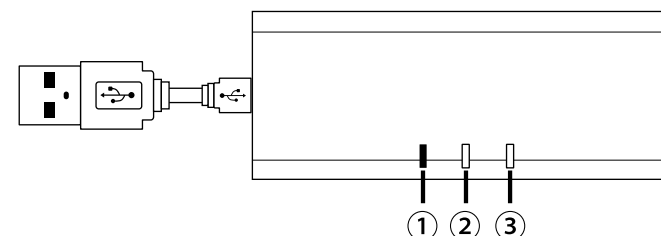
- ④ Set "Interface" to "USB Network Interface", and then click [Create].

- ⑤ On the "Network" screen, click [Apply], and check that the status has changed from "Not Configured" to "Connected."

▲ Installation of the driver is now completed.

▶▶ To uninstall the driver, see the "Detailed manual" on the ELECOM website.

- ④ Check the status of the router's lamps.



① WPS and reset lamp	Off
② WAN lamp	Lit in blue or blinking in blue
③ WLAN lamp	Lit in blue or blinking in blue

\* It takes around one minute after turning the power on to get to this stage.

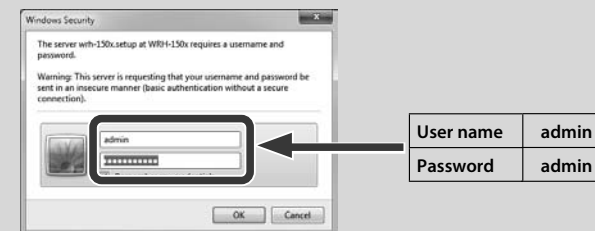
- ! The factory default wireless settings are set for Japan.

Please set the wireless setting to the country you are in, before use. The configuration method is shown below.

- ① Start up the web browser (e.g., IE, Safari) on your device, and enter "http://wrh-150x.setup" in the address bar.

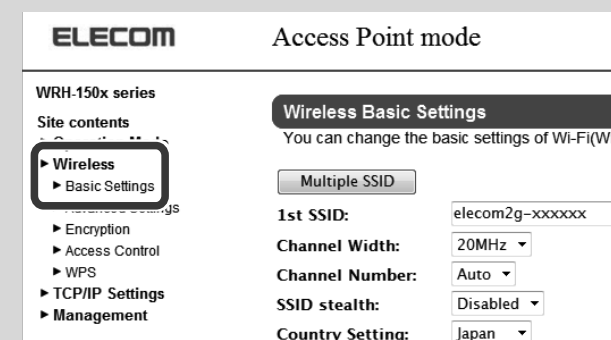


- ② When the authentication screen is displayed, enter "admin" for both the user name and the password.

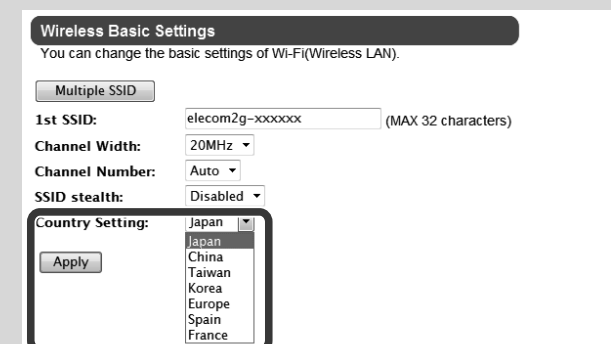


The management screen is displayed.

- ③ Click [Wireless] from the menu, and then click [Basic Settings].



- ④ On [Country Setting] select the appropriate country, and click [Apply].



- ⑤ Following the instructions on the screen, restart the wireless router.

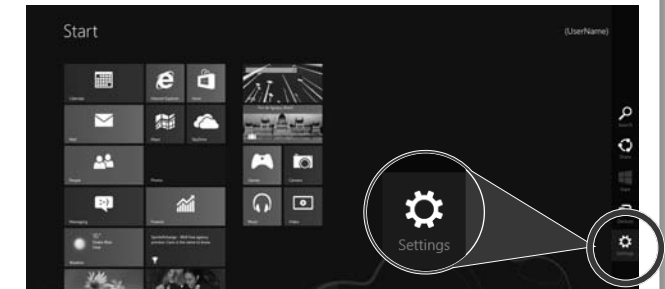
See the "Detailed manual" from the ELECOM website.  
[http://www.elecom.co.jp/global/download/wi-fi\\_router.html](http://www.elecom.co.jp/global/download/wi-fi_router.html)

## Procedure 2 Connection

The connection procedures are described according to the connected device.

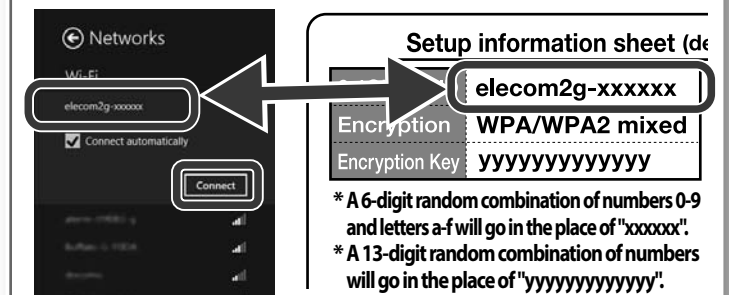
### A Windows® 8

- ① Point to the upper-right corner of the screen to display the Charms bar, and then click [Settings].



- ② Click the wireless icon .

- ③ From the list of networks, select the network that has the same SSID as the network written on the included "Setup information sheet", and then click [Connect].

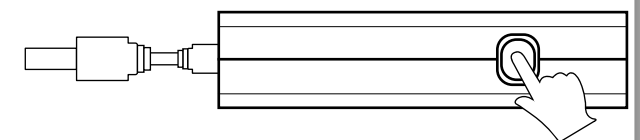


- ④ Check that the message "You can also connect by pushing the button on the router." is displayed.

\* If the message does not appear, manually enter the (13-digit) "encryption key" from the "settings information sheet" enclosed in the same package, and then click [next].

- ⑤ Hold down the wireless router's [WPS and reset] button for approximately three seconds. When you release the button, the product's "WPS and reset lamp" will start to blink in blue.

\* Holding down the [WPS/Reset button] for 10 seconds or more starts the reset function. Be sure to release the button within nine seconds.



- ⑥ If a screen is displayed with the message "Do you want to turn on sharing between PCs and connect to devices on this network?", click [Yes, turn on sharing and connect to devices].

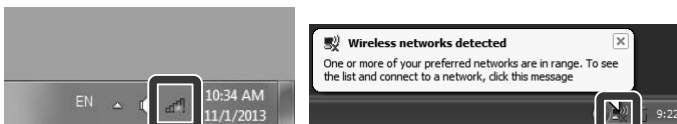
\* When the web browser automatically activates, click [Turn On access].

▲ Setup is now completed.

Depending on the hotel, the web browser (e.g., IE) may require you to certify yourself. In this situation, check with the hotel regarding how to do this.

## B Windows® 7/Vista/XP

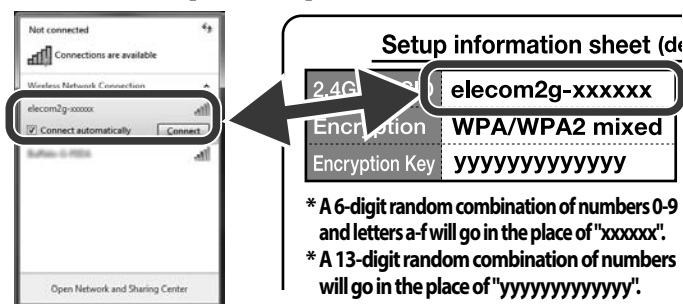
- 1 Click the wireless LAN icon in the notification area in the lower-right corner of the screen.



- 1 If the icon does not appear in the notification area on Windows® 7

- 1 Click the triangle icon on the task tray in the lower-right notification area.
- 2 Click [Customize...].
- 3 Tick [Always show all icons and notifications on the taskbar], and click [OK].

- 2 From the list of networks, select the network that has the same SSID as the network written on the included "Setup information sheet", and then click [Connect].



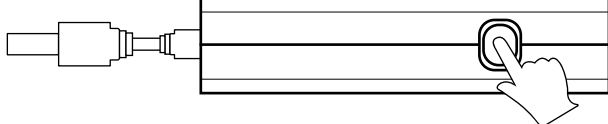
- 3 When the "Connect to a Network" dialogue box is displayed, check that the message "You can also connect by pushing the button on the router." is displayed.

\* If the message does not appear, manually enter the (13-digit) "encryption key" from the included "Setup information sheet", and then click [OK].



- 4 Hold down the wireless router's [WPS and reset] button for approximately three seconds. When you release the button, the product's "WPS and reset lamp" will start to blink in blue.

\* Holding down the [WPS/Reset button] for 10 seconds or more starts the reset function. Be sure to release the button within nine seconds.



- 5 Eventually, the "Connect to a Network" dialogue box will disappear automatically.

### ▲ Setup is now completed.

Depending on the hotel, the web browser (e.g., IE) may require you to certify yourself. In this situation, check with the hotel regarding how to do this.

## C Smartphones/tablet PCs (iOS/Android)

- 1 Install a simple "QR link" setup application (free of charge), and then configure the settings.

\* Supports iOS 4.0 or later models with a camera among iOS devices  
Supports Ver.2.1 or later models with a camera among Android devices  
(We recommend devices equipped with cameras that have autofocus functionality.)

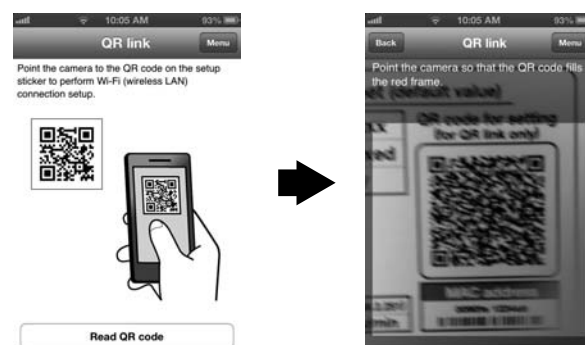
\* Please refer to "Can't connect to the AppStore or Google Play" directions below if your device does not have a camera, or if you can't install the device during configuration, to configure it manually.

- 1 From your terminal, open the AppStore (iOS) or Google Play (Android), search under [QR link], and then install the appropriate software.

- 2 On your terminal's home screen, tap the [QR link] icon.



- 3 Tap [Read QR Code] to read the QR code printed on the included "Setup information sheet."



- 4 Follow the instructions on the screen, and then tap [Close] to finish the procedure.

### ▲ Setup is now completed.

Depending on the hotel, the web browser (e.g., IE, Safari) may require you to certify yourself. In this situation, check with the hotel regarding how to do this.

### ! Can't connect to the AppStore or Google Play

The setup procedure is as follows.

#### iOS

- 1 Tap [Settings] on the home screen.
- 2 Tap [Wi-Fi].
- 3 When [Wi-Fi] is OFF, turn it ON.
- 4 From the list of "Choose a Network ...", tap the SSID written on the included "Setup information sheet".
- 5 On the Enter Password screen, enter the encryption key from the "Setup information sheet", and tap [Join].



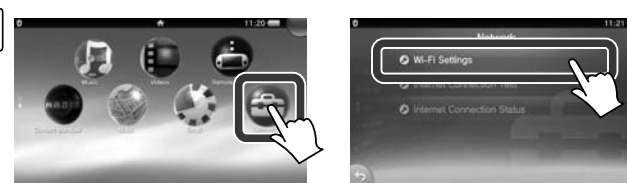
#### Android

- 1 Tap [Menu] -> [Settings] on the home screen.
- 2 Tap [Wi-Fi].
- 3 When [Wi-Fi] is OFF, turn it ON.
- 4 From the list, tap the SSID written on the included "Setup information sheet".
- 5 Enter the (13-digit) encryption key written on the "Setup information sheet" in [Password], tap [Connect].



## D PS Vita

1



- 1 Tap [settings].

→ On the next screen, tap [Network].

- 2 Tap [Wi-Fi Settings].

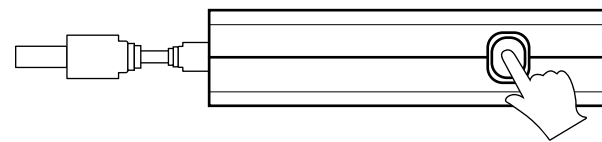


- 3 Tap [WPS].

2

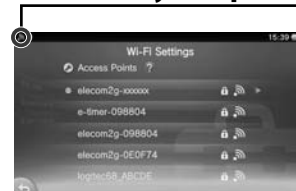
- 2 When a message appears saying "Press the access point WPS button", press the WPS button on this product.

\* Holding down the [WPS/Reset button] for 10 seconds or more starts the reset function. Be sure to release the button within nine seconds.



3

- 3 When the screen below is displayed, setup is successfully completed.



When the "wireless" icon is displayed in the upper left of the screen, the connection is successful.

## E 3DS

1



- 1 Tap [System setting].

→ On the next screen, tap [Internet Settings].

- 2 Tap [Manual Setup].

→ On the next screen, tap [Search for Access Point].



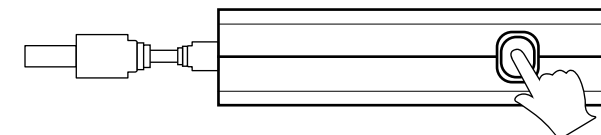
- 3 Tap [WPS].

→ On the next screen, tap [Push Button Connection].

2

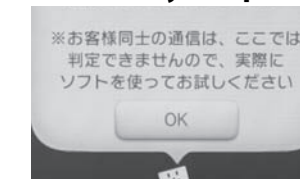
- 2 When the message "Please push Access Point's WPS button" appears, push the WPS button on the product.

\* Holding down the [WPS/Reset button] for 10 seconds or more starts the reset function. Be sure to release the button within nine seconds.



3

- 3 When the below screen is displayed, setup is successfully completed.



\* The display images are Japanese version ones. For details, please refer to the Nintendo 3DS manual.

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• Do not reproduce or reprint a part or all of this manual without permission.

• In order to make improvements to this product, the design and specifications are subject to change without prior notice.

• We are not responsible for any consequences as a result of your use of this product.

• Microsoft, Windows Vista, and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

• Company and product names mentioned on the manual are, in general, trademarks or registered trademarks of their respective companies.

• The product includes the source code of the software licensed by the GNU General Public License. The source code is free software.

Users can distribute or change the source code under the conditions of the GNU General Public License by the Free Software Foundation.

Although the source code seems to be useful, we do not accept any responsibility for the distribution of it, including implicit responsibility for marketability and relevance.

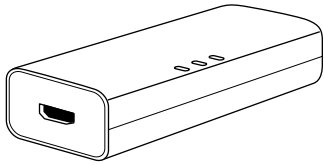
For details, visit the ELECOM website. If you would like to get the source code, visit the ELECOM website. The expenses, however, must be paid by the customer.



## Setup guide ②

### Check the package contents.

☐ Wireless LAN router



☐ USB2.0 cable (approx. 30cm)

☐ Setup guide ①

☐ Setup guide ② (this document)

☐ Setup guide ① (Simplified Chinese)

☐ Setup guide ② (Simplified Chinese)

☐ Setup guide ① (Japanese)

☐ Setup guide ② (Japanese)

☐ Multilingual simple manual

\* For users who are not native speakers of Japanese nor simplified Chinese, the simple manual is included (in English, traditional Chinese, Korean, and German).

\* Für Benutzer, deren Muttersprache nicht Japanisch oder vereinfachtes Chinesisch ist, ist die Kurzanleitung (in Englisch, traditionellem Chinesisch, Koreanisch und Deutsch) im Lieferumfang enthalten.

※本製品針對日文、簡體中文母語者之外的用戶，附有簡易的操作手冊。(英文/中文(繁體)/韓國/德語)

※이 제품에는 일본어, 중국어 간체자 이외의 언어가 모국어인 분을 위해 간단한 매뉴얼이 부속되어 있습니다. (영어, 중국어 번체자, 한국어, 독일어)

☐ Multilingual cautions

☐ Setup information sheet (Simplified Chinese, Japanese, English)

### To access the management screen

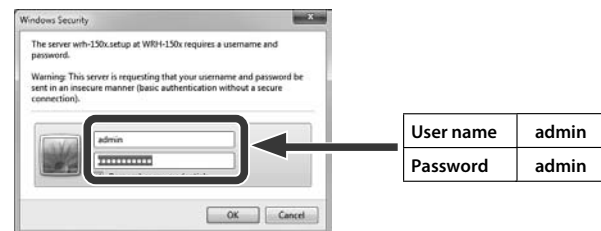
How to access the management screen in order to change the settings:

1 See the Setup guide ① and complete the connection between the wireless router and a device to access the management screen, in advance.

2 Start up the web browser (e.g., IE, Safari) on your device, and enter "http://wrh-150x.setup" in the address bar.



3 When the authentication screen is displayed, enter "admin" for both the user name and the password.

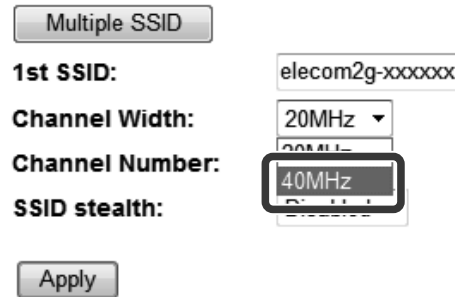


▲ The management screen is now displayed.

3 Click ▼ in [Channel Width] to change the width to 40MHz, and click [Apply].

#### Wireless Basic Settings

You can change the basic settings of Wi-Fi(Wireless LAN).



4 Following the instructions on the screen, restart the Wi-Fi router.

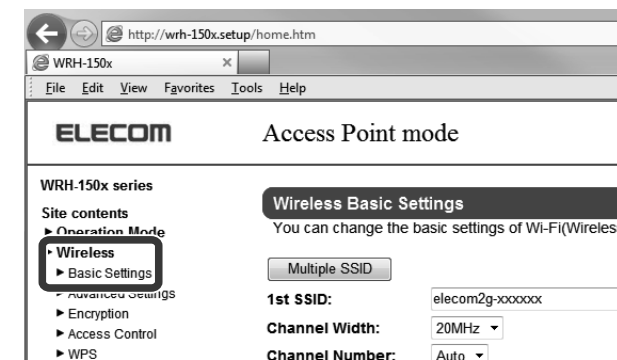
▲ Setup is now completed.

### Nintendo DS

! Following the procedures here allows the router to connect with a DS (DS Lite/DSi/DSi LL), but this uses a system with a low strength of security. If you do not have a DS, use the product without this change.

1 See the "To access the management screen" in this document and open the management screen.

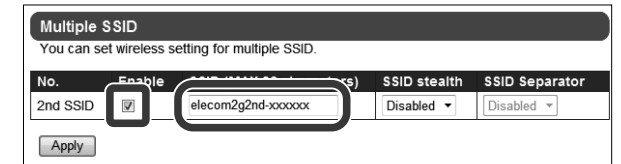
2 Click [Wireless], and click [Basic Settings].



3 Click [Multiple SSID].



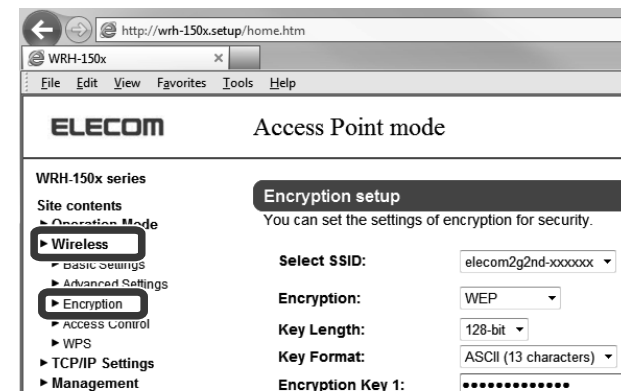
4 Tick [Enable], enter a password of your choosing, using 32 characters, in letters and numerals, and then click [Apply].



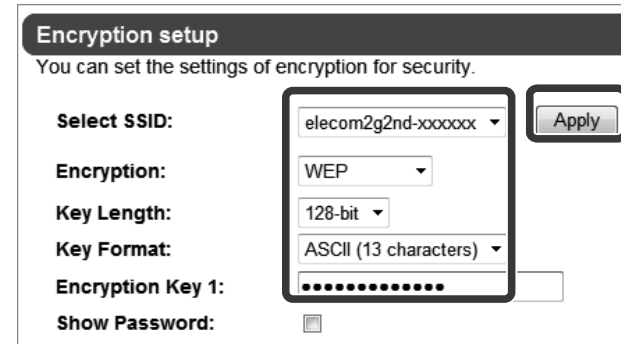
\* Jot down the encryption key for the "2nd SSID" you set, to remind yourself.

5 When the screen for prompting restarts, click [Reboot Later].

6 Click [Wireless] on the menu, and then click [Encryption].



7 On [Select SSID], select the SSID that has been set at step 4, set the following, and click [Apply].



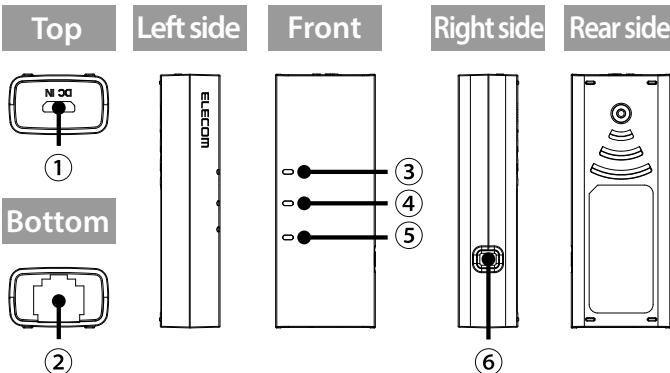
Encryption : WEP  
Key Length : 128bit  
Key Format : ASCII  
Encryption Key : 13 alpha-numeric characers

\* Jot down the encryption key for the "2nd SSID" you set, to remind yourself.

8 Following the instructions on the screen, restart the wireless router.

▲ Setup is now completed.

### Part Names



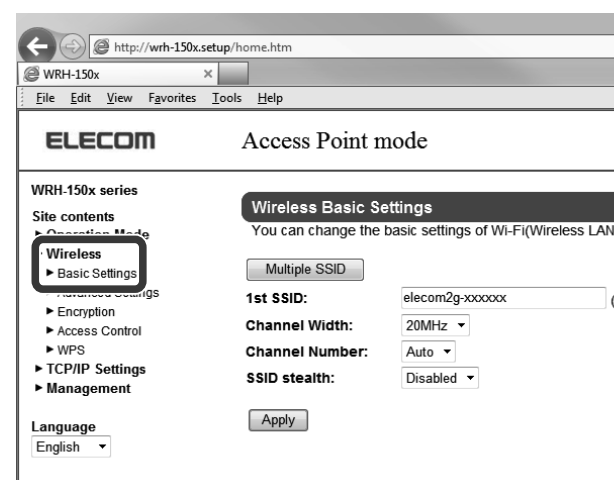
①	Power supply jack (Micro USB)	Connect a cable that conforms to the USB 2.0 (Micro-B to Micro-A) standard.
②	WAN port (blue)	Use a LAN cable to connect this product to the hotel's LAN port.
③	WPS and reset lamp (blue)	Lit The reset function is starting.
		Blinking The WPS function is in operation.
④	WAN lamp (blue)	Off The product is operating normally.
		Lit or blinking The connection with the WAN side is being established.
⑤	WLAN lamp (blue)	Off The product is disconnected from the WAN side.
		Lit or blinking The connection with the wireless side is being established.
⑥	WPS and reset button	Off The product is disconnected from the wireless side.
		Lit or blinking The connection with the wireless side is being established.
⑥	WPS and reset button	Hold down this button for approximately one to nine seconds to start the WPS function. Hold down this button for 10 seconds or more to start the reset function.

### To change the channel range

! This change improves the wireless transfer rate, but the risk of radio wave interference also increases.

1 See the "To access the management screen" in this document and open the management screen.

2 Click [Wireless] on the menu, and click [Basic Settings].



## To update the firmware

### We recommend always using the latest firmware for this product to improve security.

\* You must use a PC to upgrade the firmware.

You can't update the firmware with a smartphone or a game device.

- 1 Go to the "Download" page of our web site, search for the latest firmware for the product, and save it to your PC.

<http://www.elecom.co.jp/global/download/utility.html>

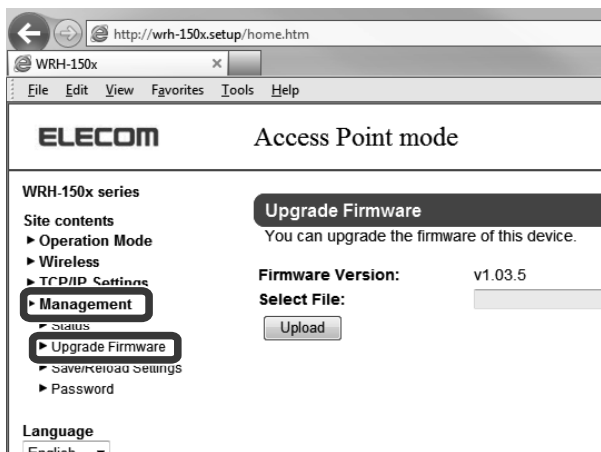
The file is a compressed file.

Decompress it before use.

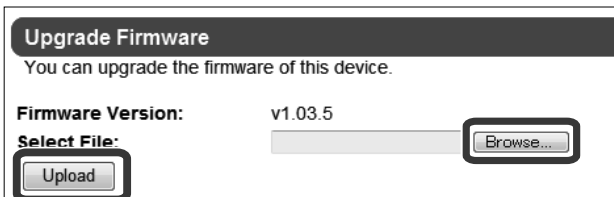
(You may not need to decompress it depending on your OS.)

- 2 See the "To access the management screen" in this document and open the management screen.

- 3 Click [Management] on the menu, and click [Upgrade Firmware].



- 4 Click [Browse ... ], select the firmware file that has been compressed at Step 1 (the extension: ".bin"), and click [Open].



- 5 Click [Upload], and a countdown for a restart will begin. Do not turn the product off before completion of the upgrade.

- 6 Once the countdown finishes, the screen switches to a "Status" screen. The upgrade is now completed.

▲ Update is now completed.

## Read this if having trouble.

- Q1 Cannot connect to the internet. Otherwise, authentication screen was required.**

- A1** Depending on the hotel or other location, authentication may be required before internet use. Please check with your hotel for authentication methods. In addition, please try the following methods and see if they work.
- ① Please check to see if the LAN cable for each device is properly snapped in and connected to each port.
  - ② Please try cutting the power to all devices, waiting a minute, and then rebooting first this product and then each other device, in that order.
  - ③ If only a specific device (e.g., smartphone, PC) isn't able to connect to the internet, it is possible that the issue may originate from the device. Please check the instructions, etc., of the device in this case to properly configure it.
  - ④ If all wireless devices (e.g., smartphone, computer) aren't able to connect to the internet, the wireless connection with this product may not be properly established. Please try to reconfigure the product, referencing Setup guide ①.

- Q2 The setting configuration cannot be established as the security settings or the encryption key have been changed from their default settings.**

- A2** You can check configuration details from the settings screen of this product. Please read the "security settings (wireless encryption)" from the "detailed manual" for how to check.  
\* Please go to the ELECOM web site to download the "detailed manual".

- Q3 I entered "http://wrh-150x.setup" on the web browser, but the screen is not displayed correctly.**

- A3** Check the following.
- ① Please check to see that this product and the device are properly connected wirelessly when using Wi-Fi (wireless LAN) devices. For LAN devices requiring a cable, please check to see that this product's LAN port and the device are properly connected with the LAN cable.
  - ② If the computer has a fixed IP address, please switch to "automatic acquisition".
  - ③ You may not be able to connect if you have activated the safeguard function of your security software or have set the security setting of the IE browser internet options to "high". Please change such settings to connect.

- Q4 If you connect to the product through your computer's internal wireless LAN, a screen appears asking for credential input, and you will not be able to connect.**

- A4** When using OS standard wireless settings, the "activate IEEE802.1x authentication for this network" check box in the authentication tab of the wireless network properties screen might be set to on. Please set this to off.

- Q5 After using WPS, a computer that had been able to connect through wireless LAN until now stopped connecting.**

- A5** If the wireless adapter of your computer that you have used until now is compatible with WPS, please use WPS and reconnect. If it is not compatible with WPS, please do not use WPS with any wireless adapter that will connect with the product, and configure them manually.

- Q6 Does the wireless signal used by the product interfere with other wireless devices?**

- A6** Within the wireless LAN standards utilized by this product, 11n (IEEE802.11n), 11g (IEEE802.11g), and 11b (IEEE802.11b) operate in the 2.4GHz band, so other wireless devices operating in the 2.4GHz band may experience interference. As a result, the user may experience loss of speed, poor connections, or other issues when using Bluetooth, wireless mouse/keyboard, microwave oven or other such products simultaneously. Furthermore, it is possible that the connection could improve if you separate the channel used by this product by resetting it more than three channels apart from others.

- Q7 I want to delete the profile set on the iOS device application.**

- A7** From [Settings] on the home screen, please select [General] → [Profile], and then delete the relevant profile.

## For safety in use

Before using the product, please read this document so you can learn how to use the product correctly.

The product is not designed for use with facilities and devices of importance to human life, or for facilities and devices that require a high degree of reliability and safety (medical, aerospace, transport, nuclear power, and other such uses). Our company cannot be held responsible for bodily accidents or property damage that result from the use of our product for these purposes.

### ■ About signs

The "For safety in use" part is described with the following signs. Make sure to fully understand their meanings before reading the following description.

	<b>WARNING</b>	Ignoring the following warnings and handling the product improperly may lead to death or serious injuries to the user.
	<b>CAUTION</b>	Ignoring the following warnings and handling the product improperly may lead to injuries to the user or damage to property.

	A circle with a line through it means that a certain action is prohibited. The circle may have the prohibited action displayed as a picture inside of it. For example, the mark on the left means that disassembly is prohibited.
	A filled in circle mark means that a certain action must be done. The circle may have the necessary action displayed as a picture inside of it. For example, the mark on the left means that the power cord must be unplugged from the wall socket.

### ! WARNING

- In case of any abnormalities**  
If the product is generating smoke or releasing an odour, contact the retailer with whom you made your purchase.

- Make sure no foreign objects are inside.**  
Do not put any metal inside the product. Make sure the product holds no liquid. Failure to do so may cause fires, electrical shock or malfunctions.  
\* In the case of a foreign object being inside, immediately turn the product off and contact the retailer with whom you made your purchase.

- If lightning may, or does, strike, turn the product off and stop the usage.**  
Failure to do so may cause fires, electrical shock or malfunctions.

- Do not use the product in locations near water. Do not touch the product with a wet hand.**  
Doing so may cause fires or electrical shock.

- Do not disassemble the product.**  
Do not disassemble the case. If there is a need to do so, contact the retailer with whom you made your purchase.

### ! CAUTION

- Do not obstruct the air hole.** Doing so may cause fires or a malfunction due to overheating.

- Do not use or store the product in direct sunlight, or in places with high temperatures or high humidity.** Do not use it outside. Great temperature changes may cause malfunction due to dew drops forming inside.

- The product is a sensitive device.** Do not use or store it in locations that are subject to impacts and vibrations.

- This product may create noise on your radio, television, etc., if you use it near any of these products.** In addition, using this product near a motor or other object that produces a strong magnetic field will create noise, and may lead to it malfunctioning. Please make sure to separate this product from such areas before use.

### ■ Important matters on privacy protection !

With wireless LAN, instead of using a LAN cable, computers and other such devices are connected to the wireless LAN access point using a wireless signal, allowing you the advantage of freely connecting through LAN as long as you are within the signal range. In contrast, the signal will go through obstructing objects (walls, etc.), reaching any place within a certain range, which may result in the following types of issues if you have not configured the security settings.

- Your transmitted data may be stolen.  
A third party, with malicious intent, may purposefully intercept your wireless signal to steal your:
  - IDs, passwords, credit numbers, or other such personal information
  - Email contents and other transmitted data content.
- Your device may be wrongfully accessed.  
A third party may access, without consent, your personal or company's network, to:
  - Take personal information or company secrets (information leaking)
  - Impersonate a specific person to send messages and spread fraudulent information (impersonation)
  - Intercept data transmission to change the content and resend it (falsification)
  - Spread computer viruses and other harmful agents to destroy data and systems (destruction)and other such acts may be experienced without properly configured security settings.

Wireless LAN cards and wireless LAN access points are designed to be secure against such issues, but the above issues may occur depending on settings and usage methods. As a result, please make sure to manually conduct all security related settings for wireless LAN devices before using a wireless LAN card or wireless LAN access point to reduce the risk of such security related issues. Furthermore, please understand that wireless LAN specifications themselves can be susceptible to specialized methods of attacks.

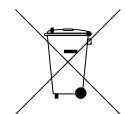
We recommend that the customer conduct security related settings based on their own judgment, sufficiently understanding the risks associated with not conducting security settings, when using this product.

## Limitation of Liability

- ELECOM Co., Ltd. shall be held in no way liable for any compensation for special damages, consequential damages, indirect damages, punitive damages, or lost profit arising out of the use of this product.
- ELECOM Co., Ltd. makes no guarantees concerning the loss of data, errors, or any other problems that may occur on devices connected to this product.



Hereby, ELECOM Co., Ltd., declares that this product is in compliance with the essential requirements and other relevant provisions of Directive [2006/95/EC], [1999/5/EC] and [2001/65/EU].



When you no longer need to use this product, be sure to dispose of it in accordance with the local ordinances and laws of your area.

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