

# Pioneer

## 150Mbps WIRELESS LAN CONVERTER

### AS-WL300

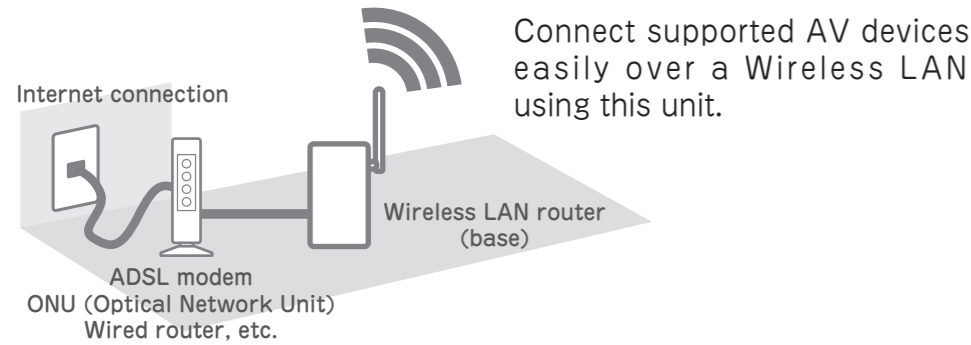
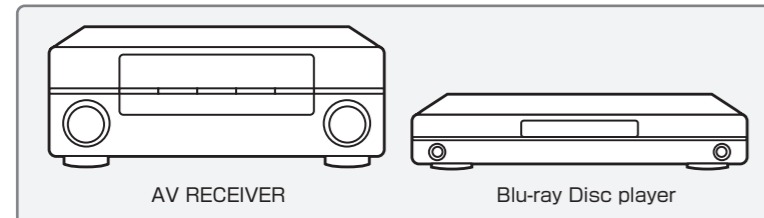
# Getting Started

Version: AS-WL300\_QIG-A\_V1

- This guide explains the usage of and necessary settings for this unit. Please follow the procedure to complete the settings. Do not lose this guide.
- Refer to the USER'S MANUAL found on the supplied CD-ROM or on the Web for details of other settings and uses not explained in this guide. Refer to "The USER'S MANUAL" on the reverse for more details.
- Some Pioneer products that connect to this product will need to be configured. Refer to their respective USER'S MANUAL for more details.
- For technical enquiries regarding this product, refer to "Please Read First" for Support Centre details.

## Features

Connect the following Pioneer AV devices using a Wireless LAN.



## Setup Procedure

### STEP 1 Check the Base

\* Check that the base has no problem connecting to the Internet.

### STEP 2 Connect the Unit

- If the base has a WPS button  
→ Follow the instructions in "Step 2 Connect the Unit (WPS)" to connect the unit to the base.
- If the base does not have a WPS button  
→ Follow the instructions in "Step 2 Connect the Unit (Manual)" to connect the unit to the base.  
\* If you have problems using the "WPS Button," use the "Manual" procedure.

### STEP 3 Step 3 Connect AV Devices

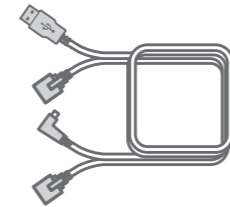
## Preparation

Prepare the following.

- Wireless LAN Converter (this unit)

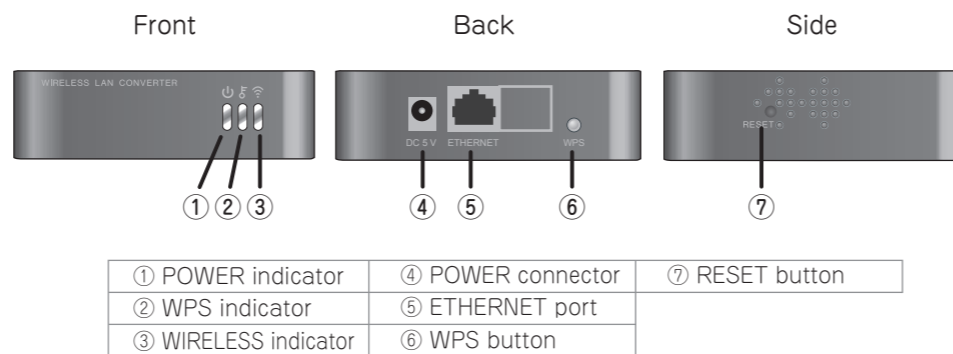


- LAN/USB feeder cable (included) \* This cable is a combination of a LAN cable and a USB feeder cable that supplies power to the unit without using an AC adapter. Use the supplied cable only.



- Getting Started (this guide)
- Supported AV device, computer (not included)
- Internet connection (not included)

## Part Names

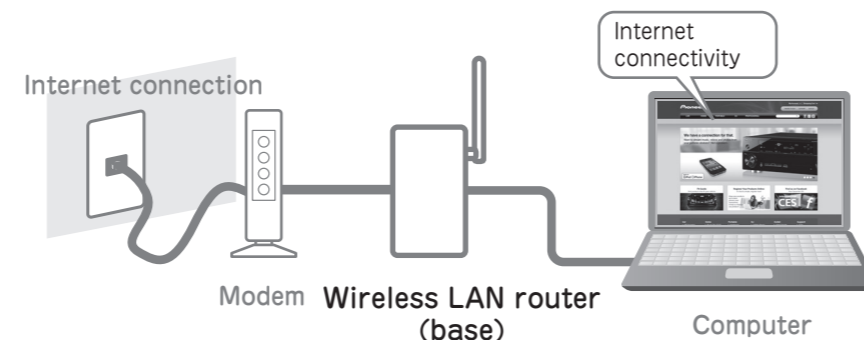


## Before Configuring the Unit

- If you do not have an Internet connection, subscribe before configuring the unit.
- Do not connect the LAN/USB feeder cable to a USB hub.

## STEP 1 Check the Base

- 1 Check that the Wireless LAN router (base) has no problem connecting to the Internet.



**!** This procedure requires a separate Wireless LAN router (base). If you do not have a base, please prepare one.

- 2 Check that the base has a WPS function. Refer to the Wireless LAN router user's manual for details.

**Notes** WPS is a function that configures the base connection and security using a button.  
\* Some bases have WPS written on them.

- ▶ If the base has a WPS button  
Continue to "Step 2 (WPS)" and "Step 3".
- ▶ If the base does not have a WPS button  
Continue to "Step 2 (Manual)" and "Step 3".

Please connect using either method.

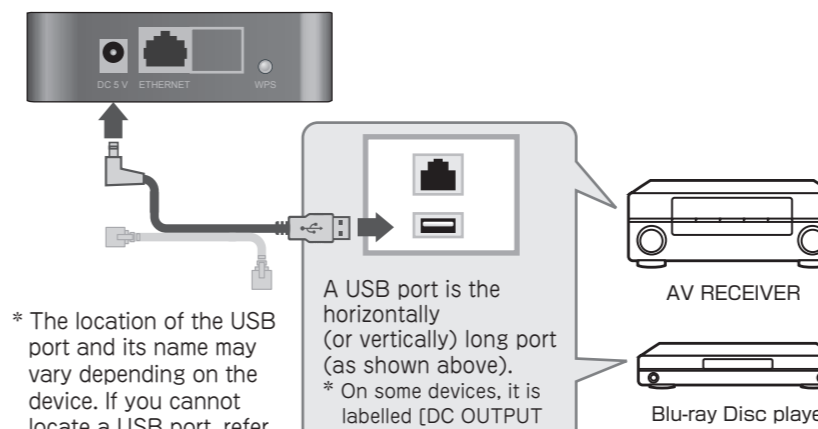
## STEP 2 Connect the Unit (WPS)

- !** This procedure explains how to connect the unit using the WPS function. If the base does not have a WPS function, refer to the "Manual" procedure below.
- Do not connect the LAN cable to the unit until instructed.
- When using multiple units of this product, the IP address of this unit needs to be changed. Refer to "Troubleshooting" on the reverse.

### 1. Switch on the unit

- 1 Switch off the AV device.

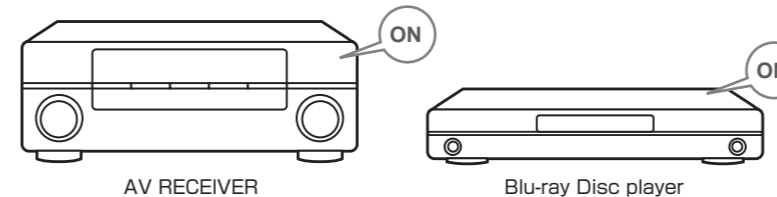
- 2 Connect the **POWER** connector on the unit to the USB port on the AV device using the USB end of the supplied feeder cable.



\* The location of the USB port and its name may vary depending on the device. If you cannot locate a USB port, refer to the device's user's manual for help.

A USB port is the horizontally (or vertically) long port (as shown above). \* On some devices, it is labelled (DC OUTPUT for WIRELESS LAN).

- 3 Switch on the AV device.



- 4 Check that the "P (POWER)", "W (WPS)" and "W (WIRELESS)" indicators on the unit are lit.

\* Once the indicators light up, wait 2 minutes before proceeding.



### 2. Connect the Unit

- 1 Press the "WPS" button on the base. Refer to the base user's manual for more details on the WPS button.

- 2 Press and hold the "WPS" button on the back of the unit until the WPS indicator on the front **flashes**. (over 2 seconds).

Press and hold for over 2 seconds

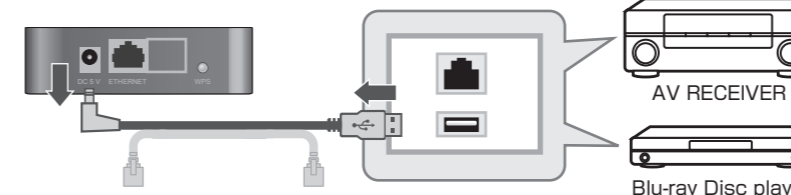


- 3 Check that the WPS indicator on the unit changes from a flashing light to a steadily lit light.

\* If the WPS indicator stops flashing and is steadily lit, the unit is connected to the Wireless LAN. (The unit is not connected if the WPS indicator is flashing.)  
\* If the WPS indicator does not flash, press the "WPS" button again.  
\* If the WPS indicator stops flashing and turns off, press the "WPS" button again.

Once the WPS indicator lights, wait 2 minutes before proceeding to 4.

- 4 Disconnect the USB feeder cable end of the supplied cable that is connected to the unit.



Connection to the base is now complete. Continue to Step 3.

## STEP 2 Connect the Unit (Manual)

- !** Use this procedure to manually connect the unit, especially if connecting the unit using the "WPS" procedure, above, does not work.
- If the computer on which you will configure the unit is connected to the Wireless LAN cable disconnect it.
- When using multiple units of this product, the IP address of this unit needs to be changed. Refer to "Troubleshooting" on the reverse.

### 1. Search for a Network Connection

Before connecting or configuring this unit, you must know the Wireless LAN settings for your base. Write the settings in the table below.

\* Refer to the base user's manual for details on the Wireless LAN settings.

■ When using WEP security settings

Name	Wireless LAN Settings			
(1) SSID (Network name)	<input type="checkbox"/> OPEN	<input type="checkbox"/> SHARED		
(2) Authentication	<input type="checkbox"/> Hexadecimal <sup>1</sup>	<input type="checkbox"/> ASCII <sup>2</sup>		
(3) Authentication key method	<input type="checkbox"/> Key 1	<input type="checkbox"/> Key 2	<input type="checkbox"/> Key 3	<input type="checkbox"/> Key 4
(4) Default key				
(5) Encryption key				

\* 1: 16-digit number (0-9, A-F) \* 2: ASCII (1-byte letters and numbers, including upper and lowercase letters)

■ When using WPA/WPA2 security settings

Name	Wireless LAN Settings	
(1) SSID (Network name)	<input type="checkbox"/> WPA-PSK	<input type="checkbox"/> WPA2-PSK
(2) Authentication	<input type="checkbox"/> Hexadecimal <sup>1</sup>	<input type="checkbox"/> ASCII <sup>2</sup>
(3) Authentication key	<input type="checkbox"/> TKIP	<input type="checkbox"/> AES
(4) Encryption		
(5) Encryption key		

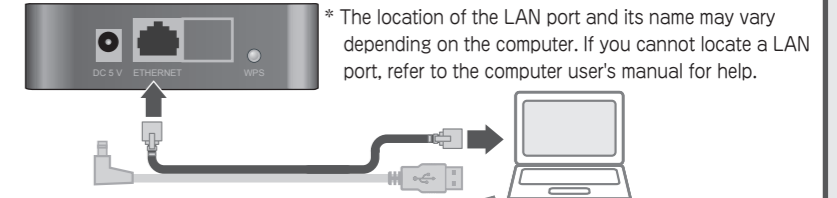
\* 1: 16-digit number (0-9, A-F) \* 2: ASCII (1-byte letters and numbers, including upper and lowercase letters)

**!** This unit cannot connect to a base with a SSID (Network name) that includes a semicolon (;). Refer to the base user's manual for details on changing the SSID.

### 2. Connect to the Computer

- 1 Switch off the computer.

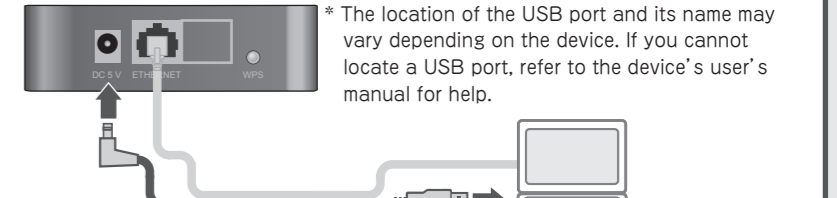
- 2 Connect the **ETHERNET** port on the unit to the computer LAN port on the computer using the LAN end of the supplied feeder cable.



\* The location of the LAN port and its name may vary depending on the computer. If you cannot locate a LAN port, refer to the computer user's manual for help.

**LAN** The LAN port is the large port that is slightly larger than a telephone modular jack.  
\* Some bases have LAN written on them.

- 3 Connect the **POWER** connector on the unit to the **USB** port on the computer using the USB end of the supplied feeder cable.



\* The location of the USB port and its name may vary depending on the device. If you cannot locate a USB port, refer to the device's user's manual for help.

**USB** A USB port is the horizontally (or vertically) long port (as shown above).  
\* On some computers, it is labelled "USB" or marked by a "usb" symbol.

- 4 Switch on the computer.

- 5 Check that the "P (POWER)", "W (WPS)" and "W (WIRELESS)" indicators on the unit are lit.

\* Once the indicators light up, wait 2 minutes before proceeding.



### 3. Configure the Unit

- 1 Launch the Web browser.

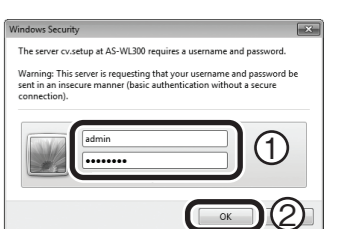
- 2 Enter "cv.setup" in the Address bar and press <Enter>.



**!** If you cannot display the Web Configuration window by entering "cv.setup", enter "192.168.1.249" and proceed to 3. If the window still does not open, refer to "Troubleshooting" on the reverse.

- 3 ① Enter "admin" as the user name and "password" the password.  
② Click [OK].

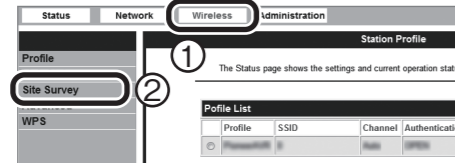
**!** If you cannot log in to the Web Configuration window, check that you have entered the settings, correctly.



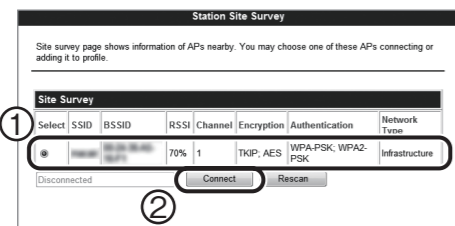
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## STEP 2 Connect the Unit (Manual) cont'd

- 4 ① Click "Wireless".  
② Click "Site Survey".



- 5 ① Select the same SSID in "Site Survey" that you wrote in "1. Search for a Network Connection", above.  
② Click the "Select" button.  
③ Click [Connect].



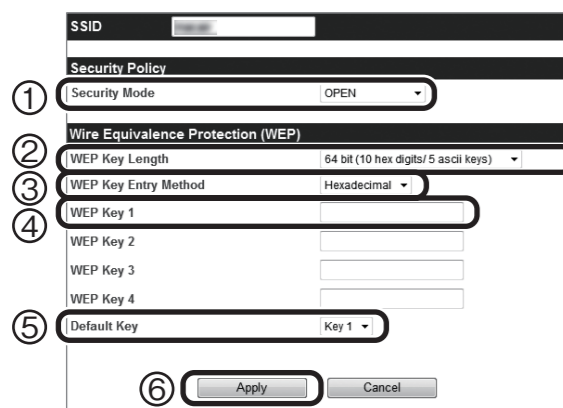
! ● If the SSID is not displayed, click [Rescan].

- 6 Configure the unit using the settings you wrote in "1. Search for a Network Connection," above.

### When (2) in the table is "OPEN" or "SHARED"

\* Configure the unit referring to the list you wrote under "When using WEP security settings".

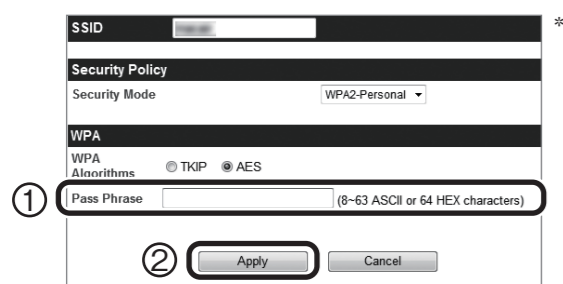
- ① When (2) in the table is "Open"  
→Select "OPEN" in "Security Mode".  
When (2) in the table is "SHARED"  
→Select "SHARED" in "Security Mode".
- ② When (5) in the table is a 10-digit or 5-digit encryption key  
→Select "64 bit (10 hex digits/5 ascii keys)" in "WEP Key Length".  
When (5) in the table is a 26-digit or 13-digit encryption key  
→Select "128 bit (26 hex digits/13 ascii keys)" in "WEP Key Length".
- ③ When (3) in the table is "Hexadecimal"  
→Select "Hexadecimal" in "WEP Key Entry Method".  
When (3) in the table is "ASCII"  
→Select "ASCII Text" in "WEP Key Entry Method".
- ④ Enter the encryption key in (5) in the table in the field that corresponds to the WEP key checked in (4) in the table.  
\* For example, If (4) in the table is "Key 1", enter the same encryption key in (5) in the table in the "WEP Key 1" field.
- ⑤ Select the same default key as in (4) in the table.  
⑥ Click [Apply].



### When (2) in the table is "WPA-Personal" or "WPA2-Personal"

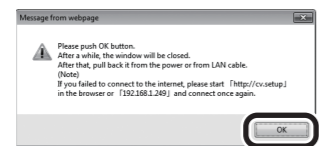
\* Refer to "When using WPA/WPA2 security settings" on the front to complete the settings.

- ① Enter the same encryption key as in (5) in the table.  
② Click [Apply].



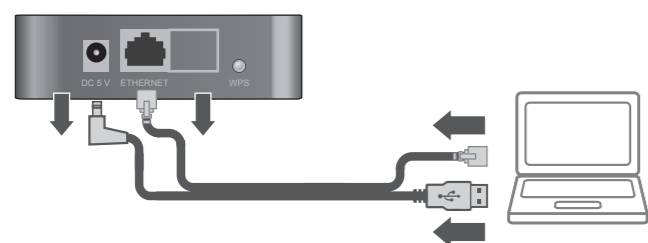
\* The base selected in ⑥ is displayed in "Security Mode" and "WPA Algorithms".

- 7 Check the details and click [OK].



- 8 The browser will close 10 seconds after you clicked [OK] in 7, above.

- 9 Disconnect the LAN/USB feeder cable connected to the unit.

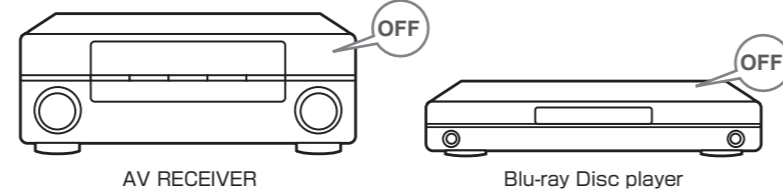


Connection to the base is complete. Continue to Step 3.

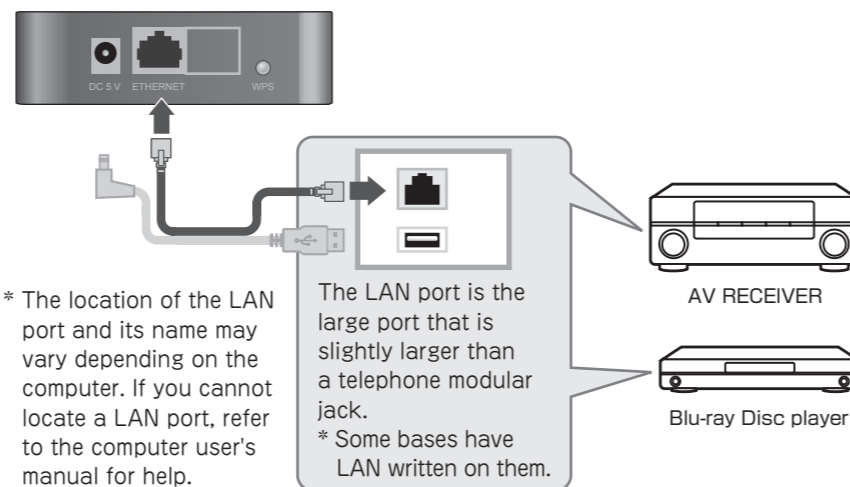
## STEP 3 Connect AV Devices

Once configuration is complete, connect the unit to the AV device.

- 1 Switch off the AV device.



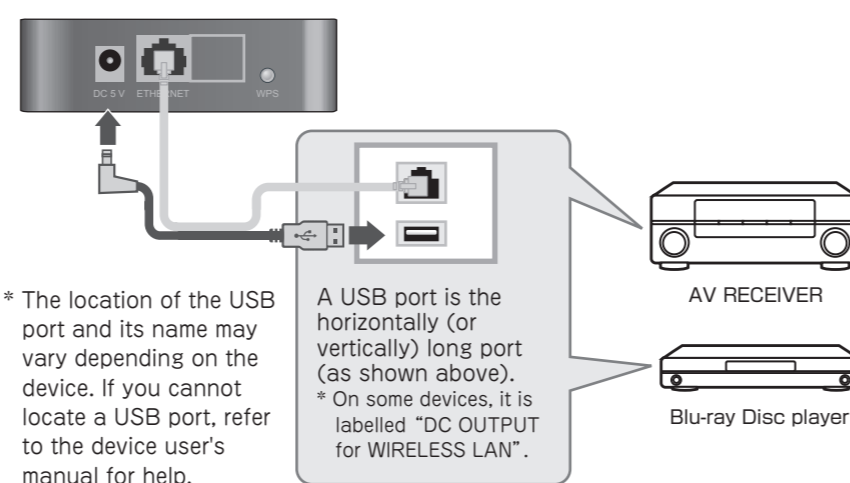
- 2 Connect the ETHERNET port on the unit to the LAN port on the AV device using the LAN end of the supplied feeder cable.



\* The location of the LAN port and its name may vary depending on the computer. If you cannot locate a LAN port, refer to the computer user's manual for help.

The LAN port is the large port that is slightly larger than a telephone modular jack.  
\* Some bases have LAN written on them.

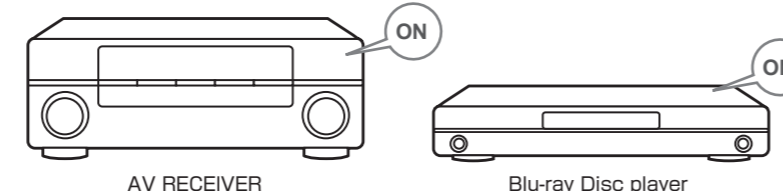
- 3 Connect the POWER connector on the unit to the USB port on the AV device using the USB end of the supplied feeder cable.



\* The location of the USB port and its name may vary depending on the device. If you cannot locate a USB port, refer to the device user's manual for help.

A USB port is the horizontally (or vertically) long port (as shown above).  
\* On some devices, it is labelled "DC OUTPUT for WIRELESS LAN".

- 4 Switch on the AV device.



- 5 Check that the "POWER", "WPS" and "WIRELESS" indicators on the unit are lit.



\* Once the indicators light up, wait 2 minutes before proceeding.

- 6 Check that the network function of the connected AV device is operating properly. Refer to the device user's manual for more details.

Configuration is complete.

## Troubleshooting

This section contains helpful tips and solutions to problems you may have when configuring the unit.

Read the unit "USER'S MANUAL" for explanations on the advanced settings. Refer to "The USER'S MANUAL", below, for details on how to view it.

### The unit will not turn on.

- Check that the USB feeder cable is properly connected to the unit and the AV device.

### The unit will not connect to the Internet.

- Refer to "Step 3 Connect AV Devices" and check that the device and the cables are properly connected.
- Switch the unit off and on.
- If the unit and the base (Wireless LAN router) are too far apart or have an obstacle between them, move the base closer to where there are no obstructions and try again.
- The electromagnetic waves from microwave ovens may interfere with Wireless Transmission. Connect away from microwave ovens.
- Check the AV device IP address settings (automatic and fixed settings). If it is a fixed setting, you will need to set the IP address to match the Wireless LAN router network settings.  
For example, if Wireless LAN router IP address is "192.168.1.1", set the AV device IP address to "192.168.1.XXX", the Subnet Mask to "255.255.255.0" and the Gateway or DNS to "192.168.1.1".  
\* Set the "XXX" in "192.168.1.XXX" to a value between 2 and 248 that will not conflict with other devices.
- If the above settings do not work, reset the unit. Refer to "Reset the Unit" for instructions.

### When using multiple units of this product or the IP address of another device is "192.168.XXX.249" \*

- \* The "XXX" in "192.168.XXX.249" may vary depending on the environment.
- The unit cannot connect with the base if the unit IP address overlaps. Change the IP address using the following procedure.
  - 1) Reset the unit. Refer to "Reset the Unit" for instructions.
  - 2) Refer to "Step 2 Connect the Unit (Manual)" → "2. Connect to the Computer" on the front for details on how to connect the unit to a computer.
  - 3) Refer to "Step 2 Connect the Unit (Manual)" → "3. Configure the Unit" on the front and follow 1 through 3 to configure the unit.
  - 4) Click "Network" in the top menu.
  - 5) Click "LAN Interface Setup" in the left menu.
  - 6) Set the IP address to "192.168.1.XXX" \* in the "Local Area Network (LAN) Settings" window.  
\* Set the "XXX" in "192.168.1.XXX" to a value between 2 and 248 that will not conflict with other devices.
  - 7) Click [Apply].
  - 8) Follow the procedure in either "Step 2 Connect the Unit (WPS)" or "Step 2 Connect the Unit (Manual)" on the front to reconfigure the unit.

### An error occurs when entering "cv.setup" or "192.168.1.249" in the Address bar of the browser.

- Reset the unit. Refer to "Reset the Unit" for instructions.

## Reset the Unit

! Resetting the unit will erase all existing settings. Be sure to note all important information before resetting it.

1. Check that the unit is switched on.
2. Press the RESET button on the unit for over 3 seconds.
3. Release the RESET button when the POWER indicator turns off then flashes.
4. Wait. Reset is complete when the unit restarts.

Once the unit is reset, follow the procedure in either "Step 2 Connect the Unit (WPS)" or "Step 2 Connect the Unit (Manual)" on the front to configure the unit.

## Factory Settings

The factory settings are as follows.

User name (login ID)	admin	IP address	192.168.1.249
Password	password		

## Package Contents

Check that the following items are supplied in the package.

- AS-WL300 (this unit)
- CD-ROM (USER'S MANUAL)
- Please Read First
- LAN/USB feeder cable
- Getting Started (this guide)

\* If the contents of the package are damaged or missing, please contact us or the store.

## The USER'S MANUAL

Refer to the USER'S MANUAL on the supplied CD-ROM or on the Internet for advanced settings.

### Viewing the Manual on the Supplied CD-ROM

The USER'S MANUAL will automatically launch when you insert the supplied CD-ROM in your computer CD or DVD drive.

- Click "run rundll32.exe" on the Autorun window.
- Click [Yes] on the "Active content can ..." window.
- If the USER'S MANUAL does not open, open the CD-ROM from "Computer" or "My Computer" and double click "index.html".
- If using a Mac, double click on the CD-ROM icon on the desktop, then double click "index.html".

### Viewing the Manual on the Web

Access the following web site.

<U.S.>	<a href="http://www.pioneerelectronics.com">http://www.pioneerelectronics.com</a>
<Canada>	<a href="http://www.pioneerelectronics.ca">http://www.pioneerelectronics.ca</a>
<U.K.>	<a href="http://www.pioneer.co.uk">http://www.pioneer.co.uk</a>
<EU>	<a href="http://www.pioneer.eu">http://www.pioneer.eu</a>
<Asia>	<a href="http://www.pioneer.com.sg">http://www.pioneer.com.sg</a>
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