



Installation Guide

Wireless HD Kit

GWAV8141K

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Package Contents

- 1 x Wireless HD Transmitter
- 1 x Wireless HD Receiver
- 1 x Remote Control
- 2 x Wireless HD Stand
- 1 x Component to VGA Adapter
- 1 x IR Blast
- 2 x Power Adapter
- 1 x Installation Guide
- 1 x Warranty Card

Overview

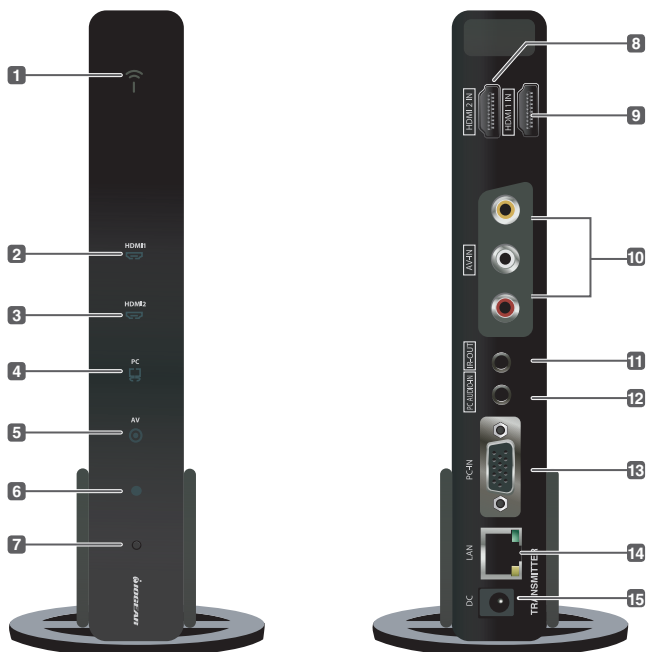
Transmitter Unit

Front View

1. Power/Link LED
2. HDMI1 LED
3. HDMI2 LED
4. PC LED
5. AV LED
6. IR Receiver
7. Front Panel Pushbutton

Rear View

8. HDMI2 Input Port
9. HDMI1 Input Port
10. AV Input Port (Composite)
11. IR Blast Output Port
12. PC Audio Input Port (3.5mm Mini Stereo Jack)*
13. PC Video Input Port (VGA)**
14. LAN Port
15. DC Power Jack



*Note: For the audio part of a Component media source, please use the PC Audio Input Port with a 3.5mm to RCA Cable (Not included and sold separately – IOGEAR Part No: G2LMMRGA006).

**Note: If you wish to use the PC Video Input Port for Component (YPbPr) media source, please use the included Component to VGA Adapter.

Receiver Unit

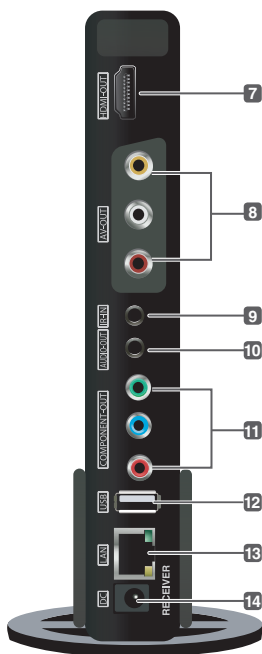
Front View

1. Power/Link LED
2. HDMI LED
3. Component LED
4. AV LED
5. IR Receiver
6. Front Panel Pushbutton



Rear View

7. HDMI Output Port
8. AV Output Port (Composite)
9. IR Extender Input Port*
10. PC Audio Output Port (3.5mm Mini Stereo Jack)**
11. Component Video Output Port (YPbPr)
12. USB Firmware Upgrade Port
13. LAN Port
14. DC Power Jack

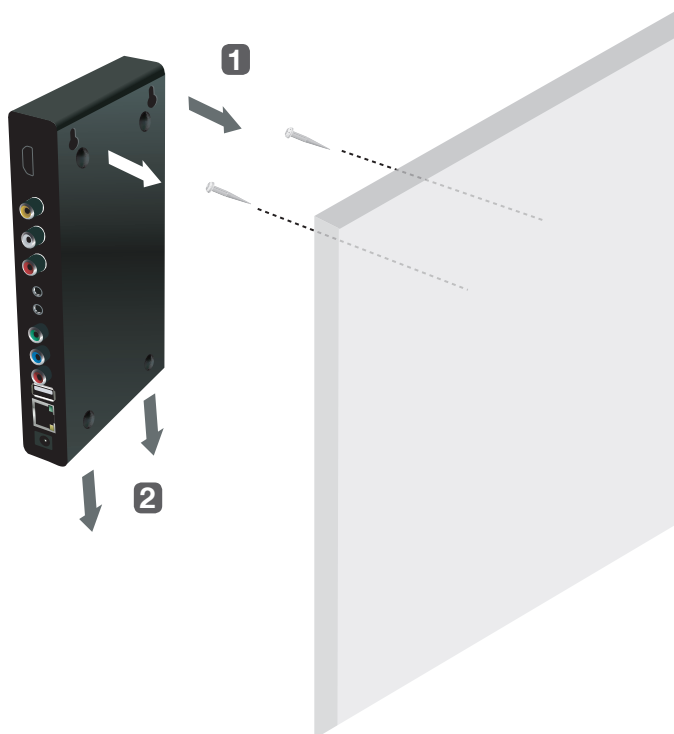


*Note: IR Extender not included.

**Note: For the audio part of a Component media source, please use the PC Audio Input Port with a 3.5mm to RCA Cable (Not included and sold separately – IOGEAR Part No: G2LMMRCA006).

Wall Mount

Hang the unit on the wall by using the two screw holes on the unit.



Installation

Note: Please make sure your displays and media sources are turned off before you start.

Step 1

Connect your media sources to the transmitter unit.

1 HDMI Media Source

Connect a HDMI cable from the media source's HDMI output to the transmitter unit's HDMI input

2 VGA Media Source

Video – Connect a VGA cable from the media source's VGA output to the transmitter unit's VGA input

Audio – Connect a 3.5mm stereo audio cable (Not included and sold separately - IOGEAR Part No: G2LMM006) from the media source's audio output to the transmitter unit's PC Audio-In port

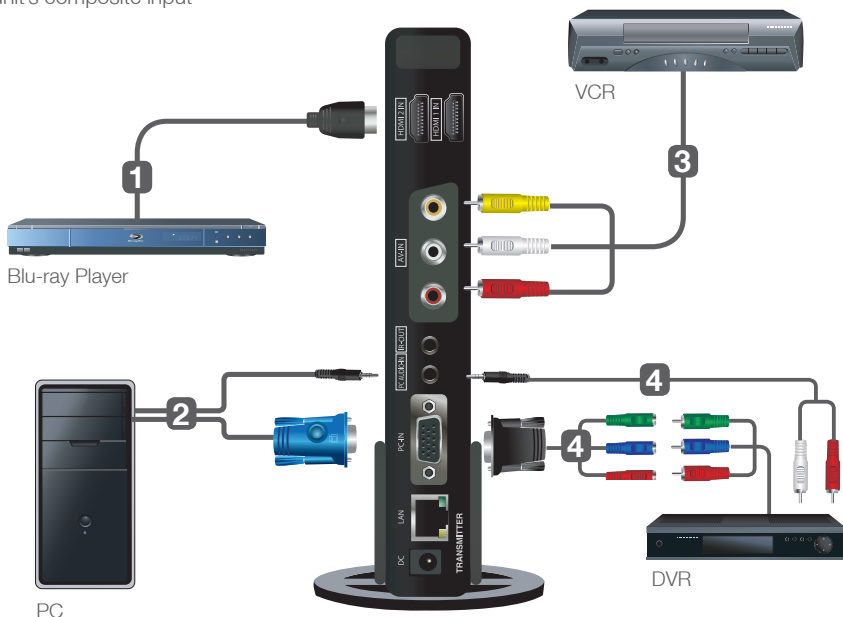
3 Composite Media Source

Connect a composite cable from the media source's composite output to the transmitter unit's composite input

4 Component Media Source

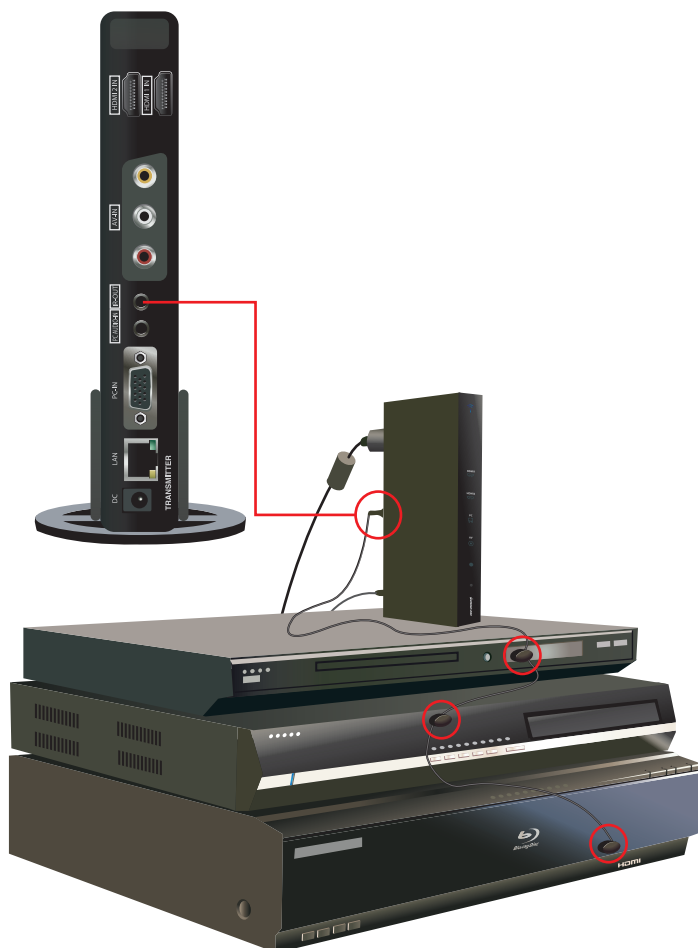
Video – Connect the included Component to VGA Adapter to the VGA Input of the transmitter unit, then connect a Component video (YPbPr) cable from the media source's Component output to Component connection of the Component to VGA Adapter

Audio – Connect a 3.5mm to RCA cable (Not included and sold separately – IOGEAR Part No: G2LMMRCA006) from the media source's audio output to the transmitter unit's PC Audio-In port



Step 2

Connect the IR Blast to the IR-Out Port from the Transmitter unit. Then stick the IR blast directly in front of each of the IR sensor of your media source devices



Note: If the location of the IR sensor for your media source is not found, you can point the media source's remote directly in front of the media source, then search for the IR sensor's location by controlling the media source in different area in the front panel until you find the spot that the media source can be able to received the signal from the remote control.

Step 3

Connect the receiver unit to your display with either one of the three different connections.

1 HDMI

Connect a HDMI cable from the receiver unit's HDMI output to your display's HDMI input

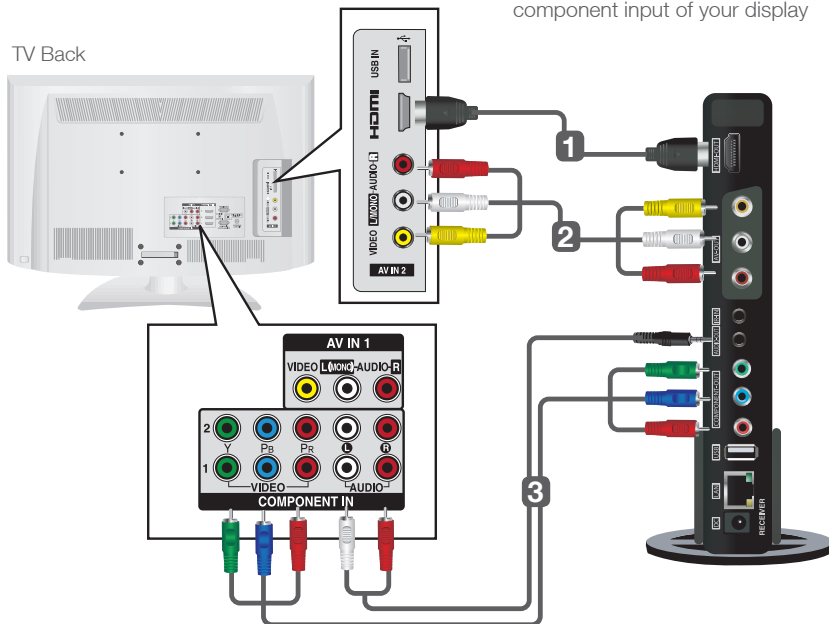
2 Composite

Connect a Composite cable from the receiver unit's AV output to your display's Composite input

3 Component

Video – Connect a Component Video (YPbPr) cable from the receiver unit's Component output to your display's Component input

Audio – Connect a 3.5mm to RCA Cable (Not included and sold separately – IOGEAR Part No: G2LMMRCA006) from the receiver unit's PC Audio Output port to RCA ports of the component input of your display



Step 4

Connect the power adapters from the wall outlet to the transmitter unit and receiver unit. Then the transmitter unit and receiver unit will turn on automatically.



Step 5

Turn on your display

Step 6

The Power/Link LEDs on the transmitter unit and receiver unit should be flashing, wait till the connection is established (this usually take about 1 to 2 minutes), then you will see the Power/Link LED will stop flashing which means the connection between the transmitter unit and receiver unit is successfully established. You should now see the IOGEAR startup screen on your display, if not, please refer to the Tips at the end of this section for troubleshooting.

Step 7

Select the specific input from the transmitter unit and the specific output from the receiver unit by using the remote control or the front panel pushbutton from the units.

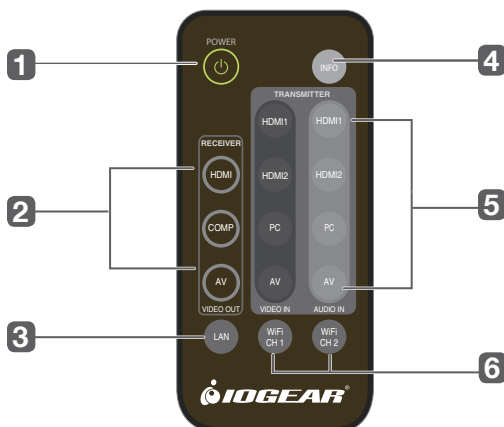
Final Step

Turn on your media source

Tips:

1. If the transmitter unit and receiver unit are not establishing the wireless connection:
 - a. Please make sure they are both in the same WiFi Channel.
 - b. If they are already in the same WiFi Channel, try to unplug the power on both transmitter unit and receiver unit and plug it back in to perform a power cycle to let them reset themselves.
 - c. If none of the above works, please refer to the Factory Reset section to perform a factory reset on both transmitter unit and receiver unit.
2. If the connection has been established and you can see the IOGEAR screen; however, when you play a media from a source and it's not showing on your display:
 - a. Please make sure the cables are properly connected.
 - b. Please make sure you set the receiver unit to the correct output port.
 - c. Check to your transmitter unit is switched to the correct port for your specific media source.
 - d. Please make sure the display supports the resolution that the media source is streaming at. For example, if you are using a 720p HD display to play a full 1080p content, you would need to downscale the source's resolution to 720p to match the display.

Remote Control



- 1 POWER**
- ON**
- If the transmitter unit and receiver unit are powered off with the Power/Link LED on, press the power button will turn on both transmitter unit and receiver unit simultaneously
 - If the transmitter unit and receiver unit are powered off with the Power/Link LED off, you need to press the power button to turn on the transmitter unit and receiver unit individually
- OFF**
- If the transmitter unit and receiver unit are powered on with the Power/Link LED on, press the power button will turn both transmitter unit and receiver unit off simultaneously with the Power/Link LED staying on
 - If the transmitter unit and receiver unit are powered on with the Power/Link LED on, press and hold the power button for 6 seconds will turn both transmitter unit and receiver unit off simultaneously with the Power/Link LED off
 - If the transmitter unit and receiver unit are powered on with the Power/Link LED flashing, you would need to power off the transmitter unit and receiver unit individually

2 Receiver unit	HDMI	Press to select HDMI as the output
	Component	Press to select Component as the output
	AV	Press to select Composite as the output

- 3 LAN** Press and hold the LAN button for 6 seconds to change the connection to Wired Mode

4 INFO Press to display information* of the transmitter unit, receiver unit and display:
Transmitter unit**

- WiFi Channel
- Firmware Version
- Video/Audio Input

Receiver unit

- Connection
- Firmware Version
- Video Output
- Display Resolution
- WiFi Reception (1 to 5, 1 being weakest and 5 being strongest)

Display

Resolutions that the display can support

*Note: The display information will disappear automatically after 20 seconds

**Note: The transmitter unit's information will only be displayed if the connection between the transmitter unit and receiver unit has been established

5 Transmitter Unit

HDMI1 Video	Press to select HDMI1 as the video input
HDMI1 Audio	Press to switch back to HDMI1 as the audio input
HDMI2 Video	Press to select HDMI2 as the video input
HDMI2 Audio	Press to switch back to HDMI2 as the audio input
AV Video	Press to select Composite as the video input
AV Audio	Press to select Composite as the audio input
PC Video	Press to select VGA/Component as the video input
PC Audio	Press to select PC Audio-In as the audio input
HDMI1 Audio	Press to switch back to the HDMI1 as the audio input
HDMI2 Audio	Press to switch back to the HDMI2 as the audio input

Note1: If you have switched to a specific video port via remote control without specifying the audio port on the transmitter unit, by default, it will also switch the audio to that specific port.

Note2: Independent audio switching is only allowed for AV Audio and PC Audio.

6 WiFi CH 1 Press and hold the specific WiFi Channel button for 6 seconds to change the
WiFi CH 2 connection to the specific WiFi Channel*

*Note: If you change the WiFi channel while the wireless connection between the transmitter unit and receiver unit is established, both transmitter and receiver's WiFi channel will be changed simultaneously. If you change the WiFi channel while the wireless connection between the transmitter unit and receiver unit is not established, you would need to change and match up the same WiFi channel of the transmitter unit and receiver unit individually.

Selecting Specific Ports

Front Panel Pushbutton

You can cycle through the ports by pressing the front panel pushbutton

Note: For the front panel pushbutton, both video and audio will switch port simultaneously.

Remote Control

You can press the specific port's button from the remote control

Note 1: Video and audio will always switch simultaneously when switching receiver unit's output port.

Note 2: If you have switched to a specific video port via remote control without specifying the audio port on the transmitter unit, by default, it will also switch the audio to that specific port.

Note 3: Independent audio switching is only allowed for AV Audio and PC Audio.

Note 4: You can select the transmitter unit's port by aiming the remote at the receiver unit or vice versa if and only if the connection between the transmitter unit and receiver unit has been established. If the connection has not yet been established, you would need to change the transmitter unit's port by aiming at the transmitter unit and change the receiver unit's port by aiming at the receiver unit.

LED Indication

Unit	LED	Description
Transmitter unit/ Receiver unit	Power/Link	<ul style="list-style-type: none">Flash rapidly – performing a Wireless/LAN connection switch or firmware upgradeFlash – the unit is booting up or establishing the connection between the transmitter unit and receiver unitON – the connection between transmitter unit and receiver unit has been successfully established
Transmitter unit	HDMI1	It will be on if the specific port is selected; however, if the media source is turned off, not connected or the signal from the media source is not properly delivered, the LED will be flashing instead
	HDMI2	
	PC	
	AV	
Receiver unit	HDMI	It will be on if the specific port is selected
	Compo	
	AV	

IR Blast

This allows you to control your media source by aiming your official remote that comes with your media source at the receiver unit. The signal will then send from the receiver unit back to the transmitter unit. Finally, it will send to your media source via the IR blast.

IR Extender

This is an optional feature that allows you to hide the receiver unit and still able to control your media sources

Video Format Support

This product supports both digital and analog video format:

Digital Video:

HDMI – Up to 1080p60

Analog Video:

Composite – Up to 480p

Component – Up to 1080i60

VGA – Up to 1920x1080@60Hz

Audio Format Support

This product supports both digital and analog audio:

Digital Audio – AC-3 Dolby Digital, DTS (Pass Through)

Analog Audio – 16bit 2-Channel linear PCM (44.1kHz & 48kHz)

Connection Between the Transmitter Unit and Receiver Unit

There are two different kinds of connection between the transmitter unit and receiver unit

1. WiFi – Wireless Connection

This is a wireless connection and there are 2 channels to choose from. The default channel is Channel 1; however if you are experiencing any interferences while using Channel 1, you can change it to Channel 2.

WiFi Channel	Frequency Use
Channel 1	5.19GHz (WiFi Ch 38)
Channel 2	5.23GHz (WiFi Ch 46)

2. LAN - Wired Connection

This is a wired connection that requires a solid CAT5e/6 patch cable to be connected to the LAN ports between the transmitter unit and receiver unit

Factory Reset

This will changes all the settings back to the original default settings.

Step 1

Remove the DC power from the transmitter or receiver unit

Step 2

Press and hold the Front Panel Pushbutton, then while holding the pushbutton, re-connect the DC power to the transmitter unit or receiver unit

Step 3

Keep holding the pushbutton until you see all the LEDs on the unit are flashing rapidly

Final Step

Release the pushbutton then wait for the unit to be reset

Firmware Upgrade / Configuration Update

Please visit our website at <http://avior.iogear.com/support/custom/wirelessdtkit> and follow the instructions to upgrade the firmware or configure the units*.

Note: Please make sure all units are using the same firmware version in order to function correctly.

*Note: The transmitter unit and receiver unit set has been pre-configured to Peer-to-Peer Mode. There is no need to re-configure unless you need to change the set into Broadcasting Mode.

Streaming Mode

Peer-to-Peer Mode

This is a 1 to 1 streaming mode, which is the default setting of the set.

Broadcasting Mode

This is a 1 to multi streaming mode. It allows a single transmitter unit streaming the content to up to 4 receiver units* simultaneously. After additional receiver units have been purchased, you MUST visit our website at <http://avior.iogear.com/support/custom/wirelessdtkit> and follow the instructions to upgrade the firmware and configure the units into Broadcasting Mode.

Note: Please make sure all units are using the same firmware version in order to function correctly.

*Note: Additional Wireless HD Receivers sold separately – Part No: GWAV8101R

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential setting. This product generates, uses, and can radiate radio frequency energy and, if not installed and used as directed, it may cause harmful interference to radio communications. Although this product complies with the limits for a Class B digital device, there is no guarantee that interference will not occur in a particular installation.

CE Compliance

This device has been tested and found to comply with the following European Union directives: Electromagnetic Capability (89/336/EMC), Low Voltage (73/23/EEC) and R&TTED (1999/5/EC).

Limited Warranty

WE'RE HERE TO HELP YOU! NEED ASSISTANCE SETTING UP THIS PRODUCT?

Make sure you:

1. Use the live chat at avior.iogear.com to try and solve any issues you may be having with the product
2. Visit the Tech Info Library/FAQ on avior.iogear.com (under the Support tab)
3. Call the tech support line at 1(866) 946-4327 (U.S. only) or (949) 453-8782

Warranty Information

This product carries a 1 Year Limited Warranty. For the terms and conditions of this warranty, please go to <http://avior.iogear.com/support/warranty> or call 1-866-946-4327

Register online at <http://avior.iogear.com/register>

Important Product Information

Product Model _____

Serial Number _____

Contact

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About Us



FUN

IOGEAR offers connectivity solutions that are innovative, fun, and stylish, helping people enjoy daily life using our high technology products.



GREEN

IOGEAR is an environmentally conscious company that emphasizes the importance of conserving natural resources. The use of our technology solutions helps reduce electronic waste.