



AV Connectivity, Distribution And Beyond...

**VIDEO WALLS VIDEO PROCESSORS
VIDEO MATRIX SWITCHES
EXTENDERS SPLITTERS WIRELESS
CABLES & ACCESSORIES**

Wireless 5G HDMI Transmitter & Receiver With 1080p and 3D compatible



Model #: W-HDM3D5G-50M

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SECTION I: GETTING STARTED

I.1 IMPORTANT SAFEGUARDS

Please read all of these instructions carefully before you use the device. Save this manual for future reference.

What the warranty does not cover

- Any product, on which the serial number has been defaced, modified or removed.
- Damage, deterioration or malfunction resulting from:
- Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
- Repair or attempted repair by anyone not authorized by us.
- Any damage of the product due to shipment.
- Removal or installation of the product.
- Causes external to the product, such as electric power fluctuation or failure.
- Use of supplies or parts not meeting our specifications.
- Normal wear and tear.
- Any other causes which does not relate to a product defect.
- Removal, installation, and set-up service charges.

I.2 SAFETY INSTRUCTIONS

The Avenview W-HDM3D5G-50M, Wireless Extender has been tested for conformity to safety regulations and requirements, and has been certified for international use. However, like all electronic equipment's, the W-HDM3D5G-50M should be used with care. Read the following safety instructions to protect yourself from possible injury and to minimize the risk of damage to the unit.



- ⚠ Do not dismantle the housing or modify the module.
- ⚠ Dismantling the housing or modifying the module may result in electrical shock or burn.
- ⚠ Refer all servicing to qualified service personnel.
- ⚠ Do not attempt to service this product yourself as opening or removing housing may expose you to dangerous voltage or other hazards
- ⚠ Keep the module away from liquids.
- ⚠ Spillage into the housing may result in fire, electrical shock, or equipment damage. If an object or liquid falls or spills on to the housing, unplug the module immediately.
- ⚠ Have the module checked by a qualified service engineer before using it again.
- ⚠ Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.



1.3 REGULATORY NOTICES FEDERAL COMMUNICATIONS COMMISSION (FCC)

This equipment has been tested and found to comply with Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

Any changes or modifications made to this equipment may void the user's authority to operate this equipment.

Warning symbols	Description
	<p>ONLY USE THE PROVIDED POWER CABLE OR POWER ADAPTER SUPPLIED. DO NOT TAMPER WITH THE ELECTRICAL PARTS. THIS MAY RESULT IN ELECTRICAL SHOCK OR BURN.</p>
	<p>DO NOT TAMPER WITH THE UNIT. DOING SO WILL VOID THE WARRANTY AND CONTINUED USE OF THE PRODUCT.</p>
	<p>THE VIDEO BOARDS ARE VERY SENSITIVE TO STATIC. PLEASE ENSURE IF RACK MOUNTED OR INSTALLED ON A SURFACE, IT SHOULD BE IN A GROUNDED ENVIROMENT.</p>
	<p>⚠ WARNING</p> <p>Read & understand user guide before using this device.</p> <p>Failure to follow the proper installation instructions could result in damage to the product and preventing expected results.</p>

2. INTRODUCTION

W-HDM3D5G-50M, wireless extender set runs at 5GHz operation frequency to deliver HD video/audio 50 meters in open field. This device kit make wireless connection by using WHDI Technology from HD media Source Devices such as HD Disc or content player, PC, Game Console or Set-to –Box to any display Device for example LCD, Plasma or LED TV or projector. Providing outstanding and consistent picture quality equivalent to wired HDMI™ cable, with low latency, multi-room connection and low power consumption.

- WHDI Technology no latency
- 5.8Ghz automatic channel switching system
- Extends HDMI video and audio up to 50M (open Space)
- Supports HDMI, EDID 1.1, Support HDCP 2.0
- Supports resolution up to 3D supported HDTV / 1080Pp/60Hz, Vesa (1920 x 1080)
- Support AES 128 image encryption
- Real time compression audio is embedded within the HDMI output stream
- Suitable for use with Residential, PC presentations
- Extends IR and CEC Signals for remote control of AV Equipment
- Supporting the point to point transmission function currently which can be expanded to the multi-point to point transmission function.



2.1 PACKAGE CONTENTS

Before you start the installation of W-HDM3D5G-50M, please check package contents.

1	WIRELESS TRANSMITTER WIRELESS RECEIVER	X 1 X 1	
2	POWER ADAPTER (5VDC)	X 2	
3	REMOTE CONTROL	X 1	
4	2 X HDMI CABLE & 1 X IR CABLE		
5	USER'S MANUAL	X 1	

2.2 BEFORE INSTALLATION

- Put the product in an even and stable location. If the product falls down or drops, it may cause an injury or malfunction.
- Don't place the product in too high temperature (over 50°C), too low temperature (under 0°C) or high humidity.
- Use the DC power adapter with correct specifications. If inappropriate power supply is used then it may cause a fire.
- Do not twist or pull by force ends of the HDMI cable. It can cause malfunction.



2.3 APPLICATION DIAGRAM



It is ideal when your media player is located in your living room, while you want to watch your Full HD Movies on Your LCD, Plasma or LED display device in your bedroom. You can install the Wireless HD Transmitter and Receiver Kit and let the wireless transmission do the work via the WHDI Technology. Furthermore, you can operate the media player with the original remote control in your bedroom.

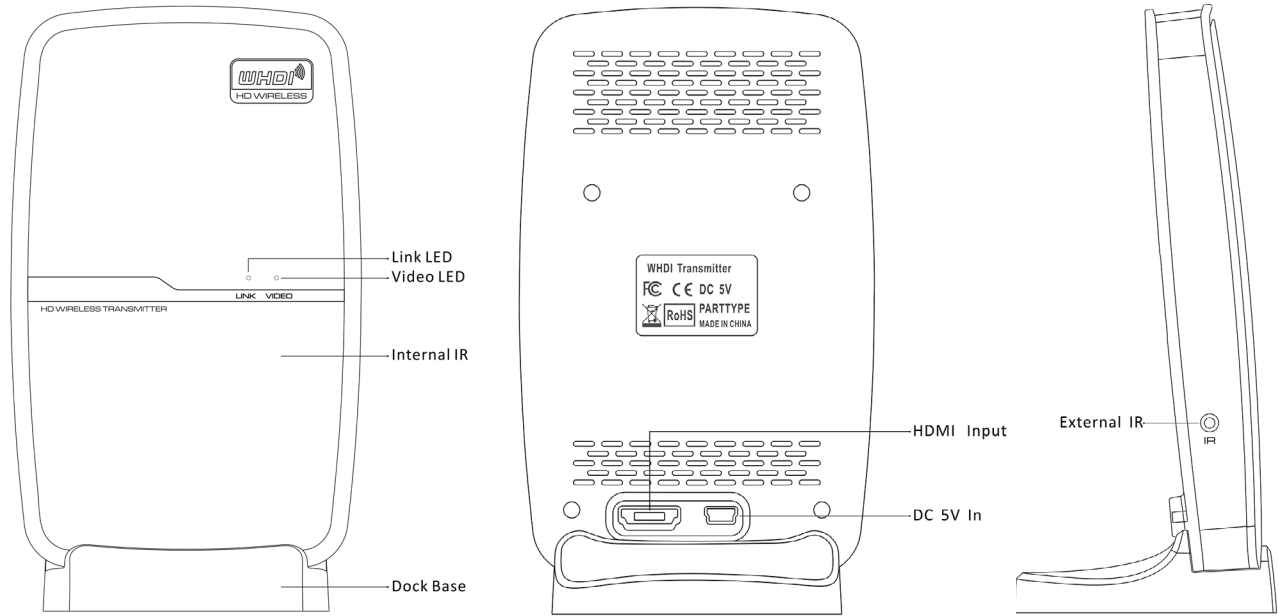
The Wireless Extender can be used horizontal or vertical mode, depending on your requirement; however for optimum performance is it recommended to operate in vertical mode. To use the extender in vertical mode simply use the base supplied with the unit.

- Each transmitter and receiver after pairing support only point to point operation. It cannot support signals broadcasting by wireless.
- Important before starting the insulation please ensure that all devices are powered off

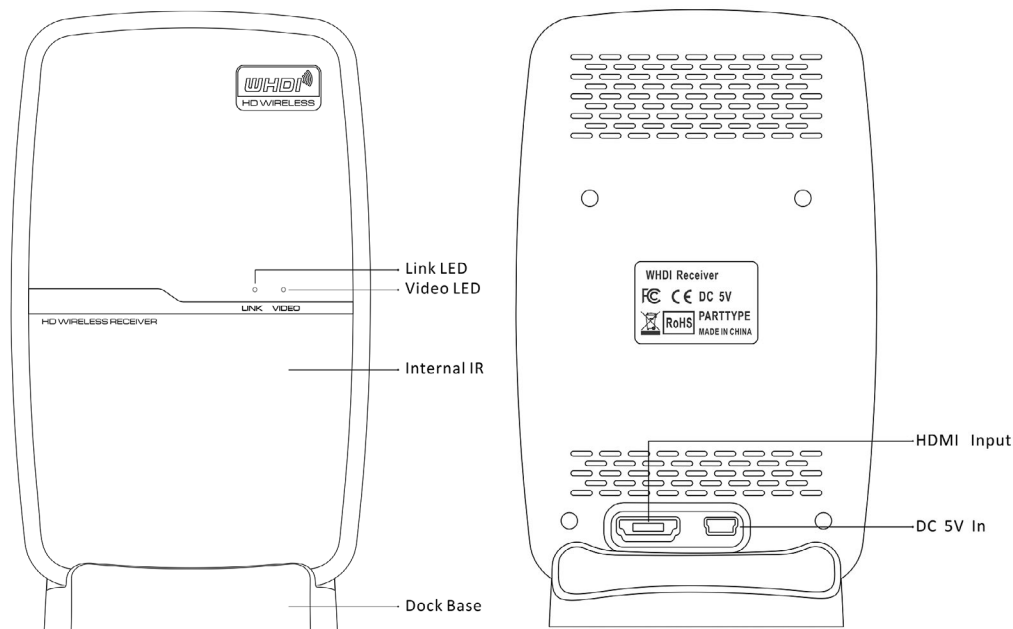


3. PANEL DESCRIPTION

INPUT PANEL (Transmitter, W-HDM3D-50M-S)



INPUT PANEL (Receiver, W-HDM3D-50M-R)



4. INSTALLATION (W-HDM3D5G-50M)

To setup Avenview W-HDM3D5G-50M please follow these steps for connecting to a device:

1. Place the Transmitter unit in close proximity to the HDMI source device.
2. Connect the HDMI source device to HDMI IN port of the Transmitter by using a standard HDMI cable.
3. Connect the IR Extension cable to the port on the transmitter unit.
4. Place the other end of the IR Extension cable near the IR port on the HDMI source device.
5. Place the Receiver unit near your HDMI display/projector, Connect the HDMI display /projector to the HDMI Output port of the Receiver unit.
6. Connect the power adapter (included) to the DC IN ports of the Transmitter and Receiver.

Once these steps have been completed the Extender is ready to use, simply power on all devices to begin operation.

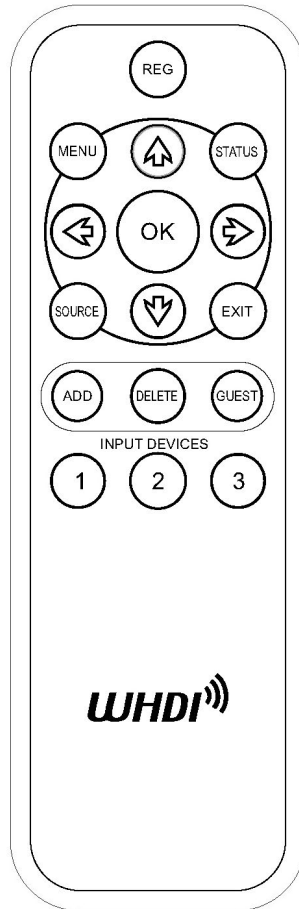
Once all equipments are powered on, it is shown by the blue link LED (refer to table below). Then system will initiate a wireless link, successful connection of the link will be shown by the blue link LED (refer to table below). This may take short time depending on the distance between the units and other environmental factors.

When the initial wireless link has been established, the system will establish a video link between the transmitter and receiver. Once it has been completed, the blue video LED will be lit on both units (refer to below table *). If your HDMI source and display devices support CEC then your source device can simply to control using the displays remote control.

LED STATUS	Description
Link LED Slow Blink (TX, RX)	Power on
Link LED Fast Blink (TX, RX)	Establishing link
Link LED Steady ON (TX, RX)	Established link
Video LED Steady ON (TX, RX) *	Established video link



5. IR REMOTE FUNCTIONS (W-HDM3D5G-50M)



BUTTON	DESCRIPTION
REG	REGISTRATION (to add a wireless transmitter)
MENU	ENTER Setup Mode
EXIT	EXIT Setup Mode
SOURCE	Transmitter LIST
ADD	Searching and adding a new Wireless Transmitter
OK	Enter or Confirm Function
INPUT 123	Change source 1,2,3
▲▼▶◀	MENU/Character Selection

6. ADD OR DELETE TRANSMITTER

Step 1. Point the IR Remote control to Transmitter.

Press the **MENU** button on the IR remote, the OSD Menu will display on your display attached to the Receiver.

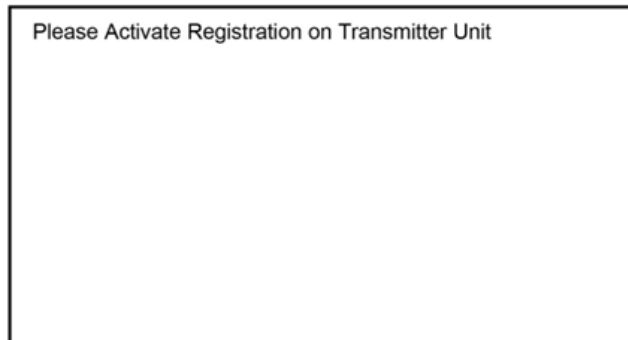


Wireless HDMI receiver unit (RX) menu

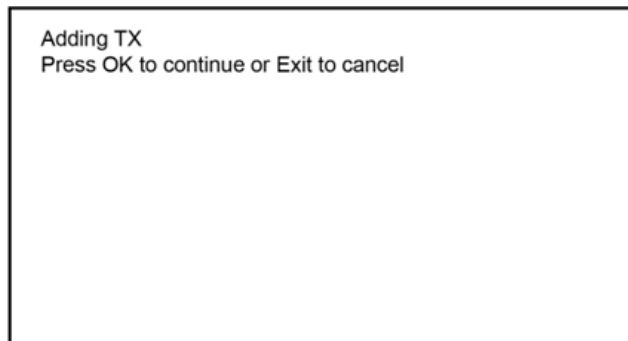
You can choose “Modify Video Source Name” to change existing transmitter’s name with \uparrow \leftrightarrow \downarrow buttons.

Add a wireless transmitter

1. Press **ADD** button of the IR remote pointing to the Receiver unit, OSD Menu on display shows



2. Press and hold **REG** button of the IR remote pointing to the Transmitter until link LED flicker “Fast”.
OSD Menu on Display

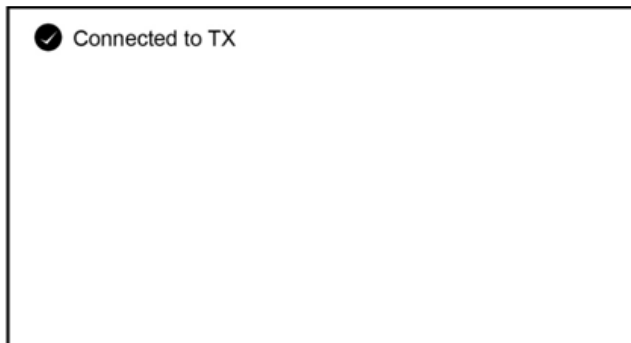


Press **OK** button on the IR remote pointing to the Receiver unit.



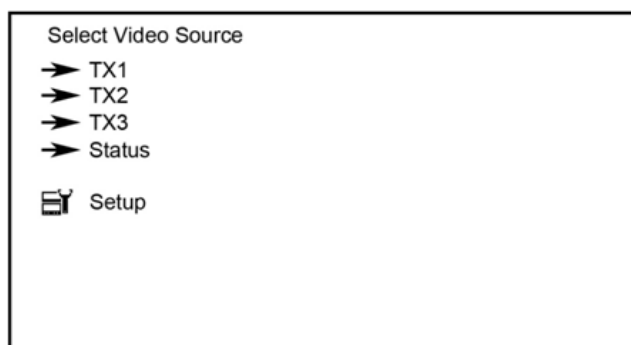
The word “TX” represents on the OSD menu the name of your transmitter.

OSD Menu on Display the link is successful.



Select a wireless transmitter

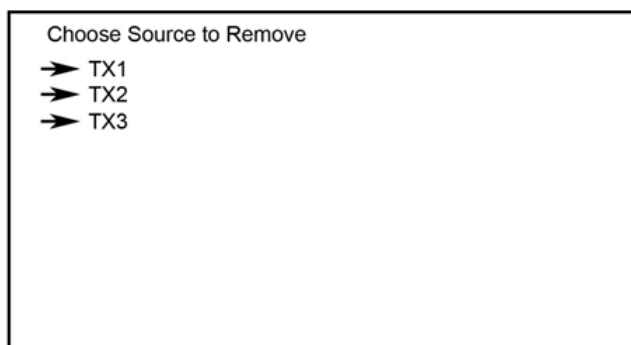
Press the **SOURCE** button pointing to the Receiver, the OSD menu shows on display



Use $\uparrow\downarrow$ buttons to select a Transmitter using the IR Remote pointing to the Receiver, and then press the **OK** button.

Delete a wireless transmitter:

Press **DELETE** button, the OSD menu on the display will show,



Use $\uparrow\downarrow$ buttons to select a Transmitter using the IR Remote pointing to the Receiver, and then press the **OK** button



7. GENERAL TROUBLESHOOTING

PROBLEM	POSSIBLE SOLUTION
THE WIRELESS OR VIDEO LINK LED IS NOT LIT	<ul style="list-style-type: none"> • If the transmitter and /or Receiver are positioned horizontally move the units to vertical position. Power cycle both extender units (OFF 30 sec then ON). • Reduce the distance between the Transmitter and Receiver units. Power cycle both extender units (OFF 30 sec then ON).
MENU	<ul style="list-style-type: none"> • Re-check all connections and verify they are in the correct positions and verify the units are powered. • Check that the wireless and Video Link LEDs are LIT
EXIT	<ul style="list-style-type: none"> • Check the IR Extender cable is connected to the Transmitter unit • Check that the IR EYE is visible and not being obstructed and the transmission of IR from the remote can be sent. • Reposition the IR Flasher to another location near the IR port of your source device
SOURCE	<ul style="list-style-type: none"> • Reduce the distance (less than 1 meter) between the transmitter and receiver units and then reconnect power adapter. • If no picture after Step 1, press REG button on IR remote pointing towards the transmitter (don't hold REG button). • If no picture after Step 1 and step 2, delete the source and re-add the Transmitter.



8. SPECIFICATIONS

ITEM	DESCRIPTION	
UNITS	W-HDM3D5G-50M-S (Transmitter)	W-HDM3D5G-20M-S (Receiver)
UNIT DESCRIPTION	WIRELESS Transmitter	WIRELESS Receiver
OPERATING FREQUENCY	5.1GHz to 5.9 GHz	5.1GHz to 5.9 GHz
BANDWIDTH	20Mhz/40Mhz	
MODULATION MODE	Downlink Channel: OFDM 16-QAM; Uplink Channel: OFDM-OOK	
AUDIO FORMAT SUPPORTED	I2S; PCM; SPDIF; AC-3; DTS; Dolby 5.1/7	
DATA RATE	Forward Channel: 3Gbps (400MBS)	
SUPPORTED RESOLUTION & DISTANCE	HD: 480i, 480p, 576i, 576p, 720p, 1080i, 1080p PC: VGA (640x480), SVGA (800x600), XGA (1024x768), Monitor : 854x800, 1280x768, 1366x768, 1920x1080	
HDMI CONNECTOR	HDMI FEMALE Plug (input)	HDMI FEMALE Plug (input)
ANTENNA	High Performance Internal Antenna	
IMAGE DELAY	< 1ms	
IR CMFS	38KHz	
TRANSMISSION POWER	Power Output: 10 ±2dBm	Power Output: 15 ±2dBm
DIMENSIONS (L X W X H)	12" x 7" x 1"	12" x 7" x 1"
POWER SUPPLY	AC Input 100-240V,DC Output 5V	
ENVIRONMENTAL		
OPERATING TEMPERATURE	32° ~ 104°F (0° to 40°C)	
STORAGE TEMPERATURE	-4° ~ 140°F (-20° ~ 60°C)	
RELATIVE HUMIDITY	20~90% RH (no condensation)	



Avenview Warranty Certificate

AVENVIEW CORP. ("Avenview") warrants Avenview-branded product(s) contained in the original packaging against defects in materials and workmanship when used normally in accordance with Avenview's enclosed manual guidelines for a period of THREE (3) YEARS from the date of original retail purchase - Warranty Period. Avenview's published guidelines include but are not limited to information contained in technical specifications, user manuals and service communications.

LABOR: During the Warranty Period of THREE (3) YEARS, Avenview will repair or replace the product(s) at no cost using new or used parts equivalent to novel performance and reliability if the product(s) is determined to have abide by Avenview's published guidelines. Cost of Labor applicable to product(s) after Warranty Period. For labor costs, please contact support@avenview.com.

PARTS: During the Warranty Period of THREE (3) YEARS, Avenview will supply new or rebuilt replacements in exchange for defective parts of the product(s) at no cost if the product(s) is determined to have abide by Avenview's published guidelines. Cost of Parts applicable to product(s) after Warranty Period. For part(s) costs, please contact support@avenview.com.

To obtain Warranty: (a) proof of purchase in the form of a bill of sale or receipted invoice reflecting that the registered product(s) is within warranty period must be presented to obtain warranty service; (b) product(s) must be registered at time of purchase. Failure to do so will result in applicable parts and labor charges. Returning product(s) must be shipped in Avenview's original packaging or in packaging pertaining equal degree of protection to Avenview's. Both Avenview and purchaser are responsible for freight charges and brokerages when shipping the product(s) to the receiver.

NOT COVERED BY THIS WARRANTY

This warranty does not apply to any non-Avenview branded product(s); non-registered Avenview product(s). This warranty does not apply: (a) to cosmetic damage, including but not limited to scratches, dents and broken cords; (b) to damage caused by use with another product; (c) to damage caused by accident, abuse, misuse, liquid contact, fire, earthquake or other external cause; (d) to damage caused by operating the Avenview product(s) outside Avenview's manuals or guidelines; (e) to damage caused by service performed by anyone who is not a representative of Avenview or an Avenview authorized personnel; (f) to defects caused by normal wear and tear or otherwise due to the normal aging of the Avenview product(s), or (g) if any serial number has been removed or defaced from the Avenview product(s).

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Some states do not allow the inclusion or limitation of incidental or consequential damages, or allow limitations on duration implements of the Warranty Period; therefore the above limitations or exclusions may not be applicable to you. This warranty gives you specific legal rights, and you may have other rights which vary from state to state.



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