



AV Connectivity, Distribution  
And Beyond....

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

## Wireless 5G HDMI Transmitter, Receiver & 4 Port Switch With 1080p and 3D compatible



MODEL #: W-HDM3D5G-20M-KIT



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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.1 SAFETY INSTRUCTIONS

The Avenview W-HDM3D5G-20M-KIT, 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-20M-KIT 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.



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
	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.
	DO NOT TAMPER WITH THE UNIT. DOING SO WILL VOID THE WARRANTY AND CONTINUED USE OF THE PRODUCT.
	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.



**! WARNING**

Read & understand user guide before using this device.

Failure to follow the proper installation instructions could result in damage to the product and preventing expected results.






## 2. INTRODUCTION

W-HDM3D5G-20M-KIT, wireless extender and 4 Port Multi Input Switch set runs at 5GHz operation frequency to deliver uncompressed HD video/audio 20 meters in open field. This device kit make wireless connection by using WHDI Technology from HD media Source Devices such as HD Disc player, PC, Game Console, Set-to –Box to any display Device for example LCD Plasma or LED TV and projector while keeping wire –equivalent quality and no latency.



- WHDI Technology no latency
- Extends HDMI or DVI signals up to 20M (open Space) or 12M (indoor)”
- Supports HDMI, EDID 1.1, Support HDCP 2.0
- Supports resolution up to 3D supported HDTV / 1080Pp/60Hz, Vesa (1920 x 1080)
- Real time compression audio is embedded within the HDMI output stream
- Suitable for use with Home Cinema and Computer Equipment
- 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.
- Multi Input Switch to accommodate 4 Sources into the Transmitter

### 2.1 PACKAGE CONTENTS

Before you start the installation of W-HDM3D5G-20M-KIT, please check the B. FULL package contents.

1	<ul style="list-style-type: none"><li>- Wireless Transmitter x 1</li><li>- Wireless Receiver x 1</li><li>- 4 Port Switch Adapter x 1</li></ul>	
2	<ul style="list-style-type: none"><li>- Power Adapter (5VDC) x 2</li></ul>	
3	<ul style="list-style-type: none"><li>- Remote Control x 1</li></ul>	



4	HDMI Cable & IR Ext Cable	
5	User's Manual x1	

## B. FULL PACKAGE (HDMI SWITCH +IR EXTENSION)

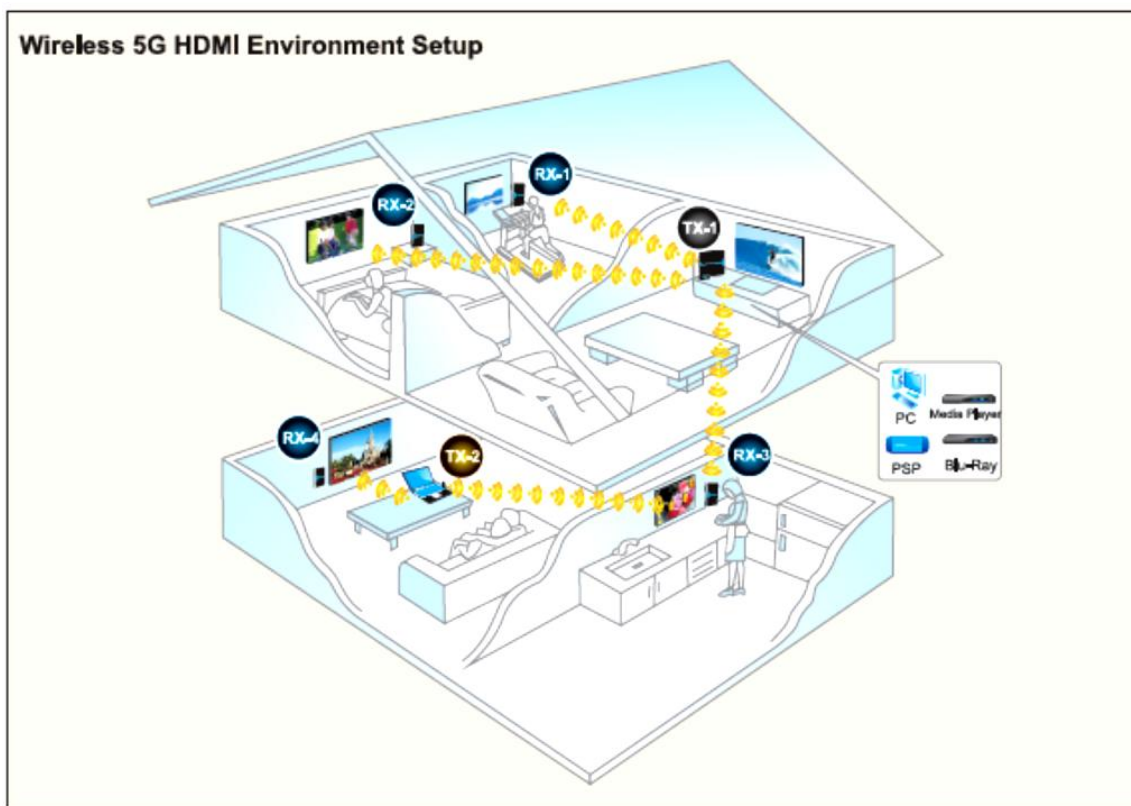
1 X WIRELESS HDMI TRANSMITTER  
 1 X WIRELESS HDMI RECEIVER  
 1 X REMOTE CONTROL  
 2 X DC 5V POWER ADAPTER  
 1 X IR EXTENSION CABLE (4 X IR EYE)  
 1 X HDMI CABLE  
 1 X HDMI SWITCH  
 1 X USER GUIDE

## 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.

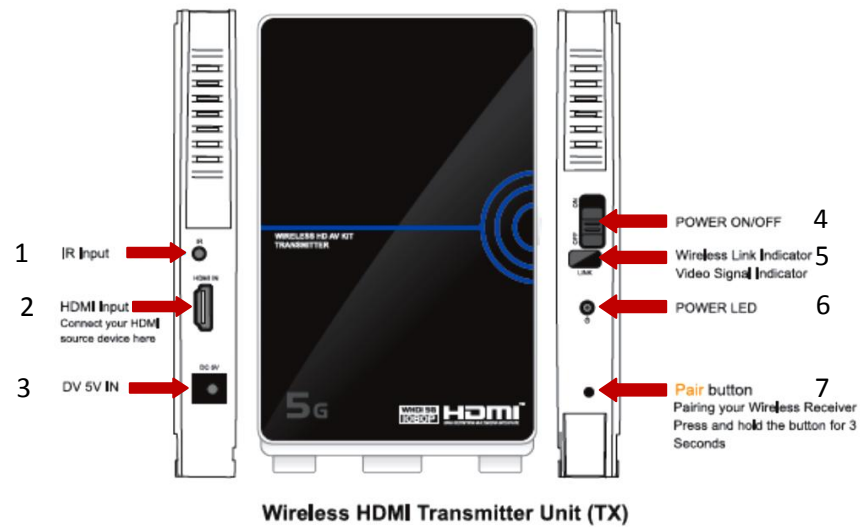
The Wireless Extender can be used horizontal or vertical mode, depending on your requirement; however for optimum performance is it recommended to operate in vertical mode. To use the extender in vertical mode simply slide the foot, on the bottom edge of each unit until it creates a 90 ° angle with the body of 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

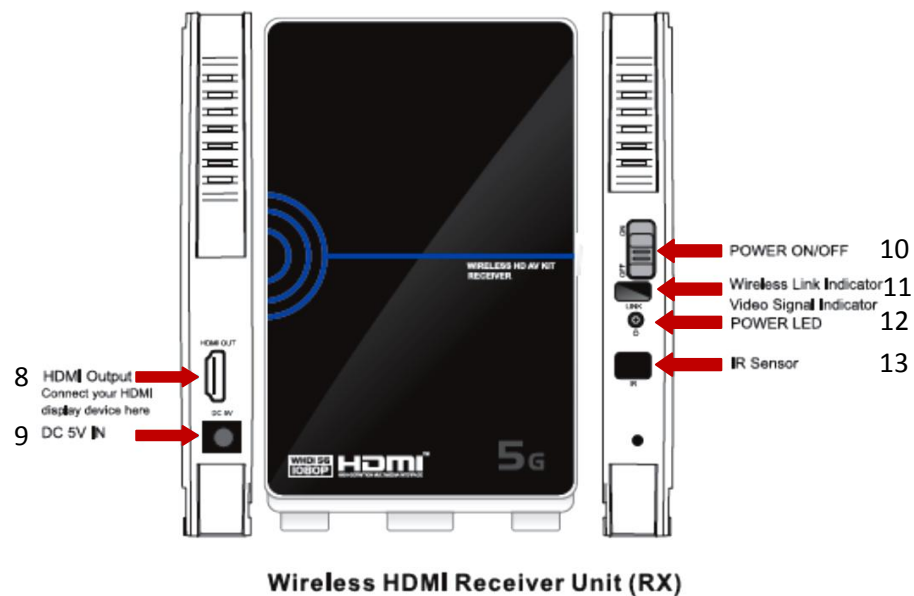


### 3. PANEL DESCRIPTION

#### INPUT PANEL (Transmitter, W-HDM3D-20M-S)

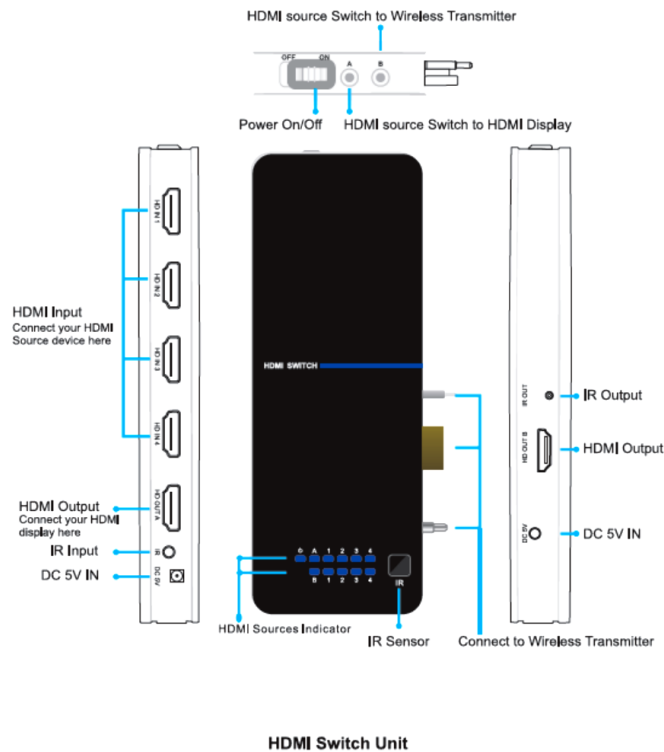


#### OUTPUT PANEL (Receiver, W-HDM3D-20M-R)





## INPUT PANEL (4 Port Switch- W-HDM5G-4X)



## 4. INSTALLATION FULL PACKAGE (W-HDM3D5G-20M)

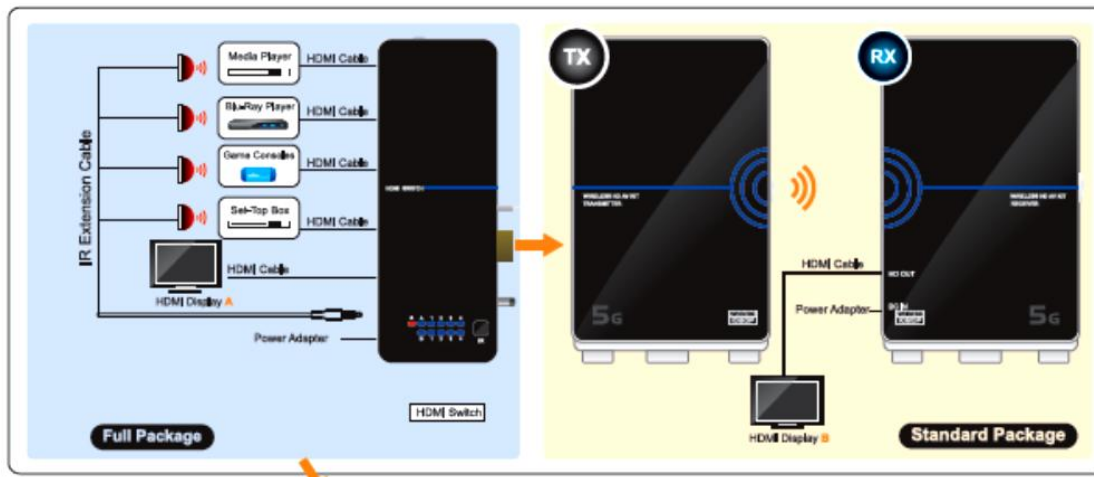
To setup Avenview W-HDM5G-20M-KIT please follow these steps for connecting to a device:

1. Place the Transmitter with 4 port unit in close proximity to the 4 HDMI source devices.
2. Connect all 4 HDMI sources to the 4 HDMI IN ports of the 4Port Switch connected to the Transmitter by using 4 standard HDMI cables.
3. Connect the IR Extension cable to the port on the transmitter unit.
4. Place the other end of the 4 IR Extension cables near the IR port on the 4 HDMI source devices.
5. Place the Receiver unit near your HDMI display/projector, Connect the HDMI display /projector to the HDMI Output port of the Receiver.
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.




## 5. INSTALLATION FULL PACKAGE (W-HDM3D5G-20M-KIT)



1. Place the Transmitter unit in close proximity to the HDMI source device.
2. Connect the HDMI Switch to the Transmitter
3. Connect the HDMI source device to HDMI IN port of the Transmitter by using a standard HDMI cable.
4. Connect the IR Extension cable to the IR port on the HDMI Switch.
5. Place the other end of the IR Extension cable near the IR port on the HDMI source device.
6. Place the Receiver unit near the HDMI display/projector, Connect the HDMI display /projector to the HDMI Output port of the Receiver.
7. 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.

## 6. OPERATION (W-HDM3D5G-20M-KIT)

Once all equipment is turned on, the Extender will initiate a Wireless link successful connection of the link will be shown by the blue  Wireless Link LED on Both the Transmitter and Receiver. Once this has been completed the blue Link Led will be lit on both units.

Whilst the Extender is creating the video link it is normal for the HDMI display to flicker ON and OFF. With both the wireless and video Link LED illuminated the Extender is ready to transmit video. If your HDMI source and display devices support CEC then the source device can simply be controlled using the display remote control.



## 7. IR REMOTE FUNCTIONS (W-HDM3D5G-20M-KIT)



BUTTON	DESCRIPTION
<b>MENU</b>	Enter Setup Mode
<b>EXIT</b>	Exit Setup Mode
<b>SOURCE</b>	Wireless Transmitter List
<b>ADD</b>	Searching and adding a new Wireless Transmitter
<b>DELETE</b>	Delete a Wireless Transmitter
<b>OK</b>	Enter or Confirm Function
<b>SHIFT</b>	Transmitter name character editing
<b>A1 - A4</b>	Switch 4 Video Source for Local HDMI Display
<b>B1 - B4</b>	Switch 4 Video Source for Wireless HDMI Transmitter
<b>GUEST</b>	User HOT Key , Default as Sleep Mode function with HDMI Switch (B and C Package)
▲ ▼ ► ◀	MENU/Character Selection



## 8. ADD OR DELETE TRANSMITTER

1. Use the supplied remote control to search and add a new transmitter or delete a Transmitter.
2. First turn on your Wireless HDMI Transmitter and Receiver, Remote control point to Transmitter. Press the remote control **MENU** button, HDMI Display show.



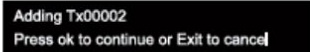
Wireless HDMI Receiver Unit (RX) Menu

### • Add a Wireless Transmitter :

1. Press the remote control **ADD** button, HDMI Display show

Please Activate Registration ON Transmitter Unit

2. Press The Transmitter unit **Pair** button 5s, Transmitter's Link LED flash.

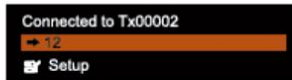
HDMI Display show , then press the remote control **OK** Button,

if show , the pairing is success.

**Note :** "Tx00002" means Transmitter

### • Select a Wireless Transmitter:

Press the remote control **SOURCE** button, HDMI Display show,



Use **▲ ▼ < >** button to select a Transmitter, then press the **OK** button.

### • Delete a Wireless Transmitter:

Press the remote control **DELETE** Button, HDMI Display show,



Use **▲ ▼ < >** button select a Transmitter, than press **OK** button.



## 9. GENERAL TROUBLESHOOTING

PROBLEM	POSSIBLE SOLUTION
<b>THE WIRELESS OR VIDEO LINK LED IS NOT LIT</b>	<ul style="list-style-type: none"> <li>If the transmitter and /or Receiver are positioned horizontally move the units to vertical position. Power cycle both extender units <b>(OFF 30 sec then ON)</b>.</li> <li>Reduce the distance between the Transmitter and Receiver units. Power cycle both extender units</li> <li><b>(OFF 30 sec then ON)</b>.</li> </ul>
<b>THE SCREEN IS BLANK</b>	<ul style="list-style-type: none"> <li>Re-check all connections and verify they are in the correct positions and verify the units are powered.</li> <li>Check that the wireless and Video Link LEDs are LIT</li> </ul>
<b>THE IR EXTENDER DOES NOT WORK</b>	<ul style="list-style-type: none"> <li>Check the IR Extender cable is connected to the Transmitter unit</li> <li>Check that the IR EYE is visible and not being obstructed and the transmission of IR from the remote can be sent.</li> <li>Reposition the IR Flasher to another location near the IR port of your source device</li> </ul>

## SECTION 2: SPECIFICATIONS

ITEM	DESCRIPTION	
UNITS	W-HDM3D5G-S-20M (Transmitter)	W-HDM3D5G-R-20M (Receiver)
	W-HDM5G-4X	
UNIT DESCRIPTION	WIRELESS Transmitter/4 Port SW	WIRELESS Receiver
OPERATING FREQUENCY	5.1GHz to 5.9 GHz	5.1GHz to 5.9 GHz
RF COMMUNICATION	MIMO	MIMO
AUDIO FORMAT SUPPORTED	PCM,DTS,DOLBY DIGITAL	
SUPPORTED RESOLUTION & DISTANCE	TV-Up to 480P,576P,720P,1080i1080p60Hz @ 20 meters (66 feet) PC Up to 1920x1080 Pixels	
HDMI CONNECTOR	4 HDMI FEMALE Plug (input)	HDMI FEMALE Plug (input)
ANTENNA	High Performance Internal Antenna	
IMAGE DELAY	< 1ms	
IR CMFS	38KHz	
MODULATION	OFDM	
TRANSMISSION POWER	12dBm +- 2dBm	
DIMENSIONS (L X W X H)	11.5" x 1.3" x .5"	
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)	





## TECHNICAL SUPPORT

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### CONTACT US



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