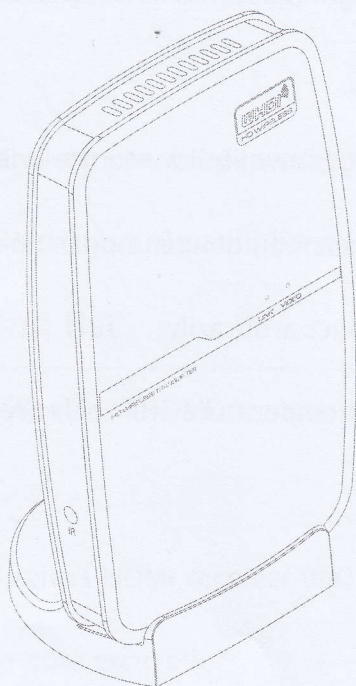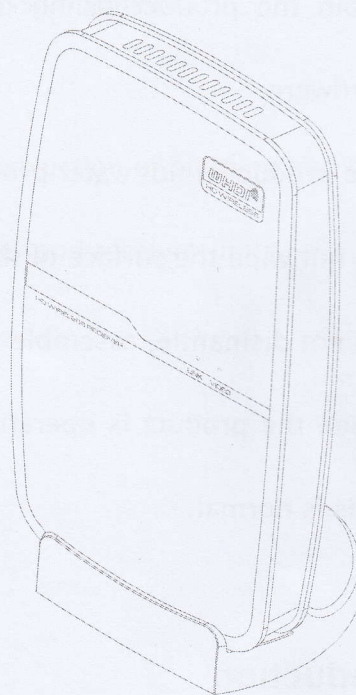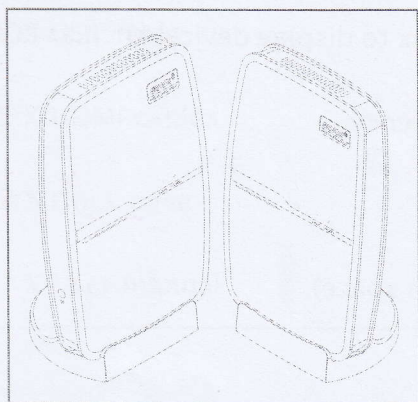# Wireless HDMI transmission System

User Manual V1.0

Transmitter   Receiver

Applications:

Passing through walls requests

Thanks for purchasing this wireless HDMI transmission system. Please read the following instructions carefully for your safety and prevention of properly damage.

- Do not use this product in the extreme hot, cold, dusty or humid environments.

- Prevent friction with hard objects, or it may lead to surface abrasion, components fall off or hardware damage.

- Avoid the product falling down from a high place, or it may damage the hardware.

- The product is not water proofed. So do not get any liquid into the unit please.

- Do not wipe the surface of the product with alcohol, benzene or thinners.

- Do not dismantle, assemble or alter the product arbitrarily.

- When the product is operating, the surface temperature will increase slightly. This is normal.

Introduction

Wireless HDMI transmission system runs at 5GHz operation frequency to deliver uncompressed HD video and audio 50 meters in open field. This system make wireless connection by using WHDI technology from HD media source devices, such as Blue-Ray player, PC, game console, set top box to display device, such as LCD TV, projector, etc, while keeps HD quality and no latency.

Features

- Extends HDMI signals up to 50 meters (Open space).
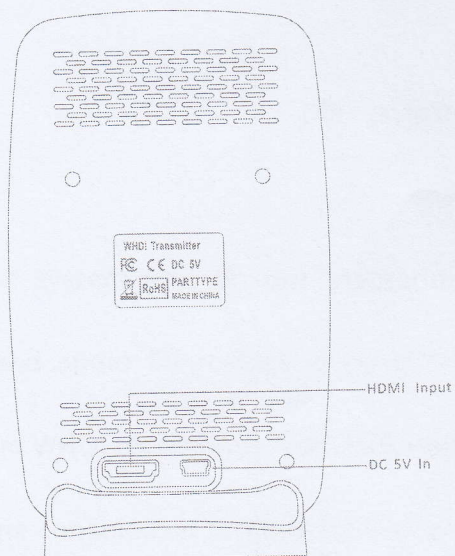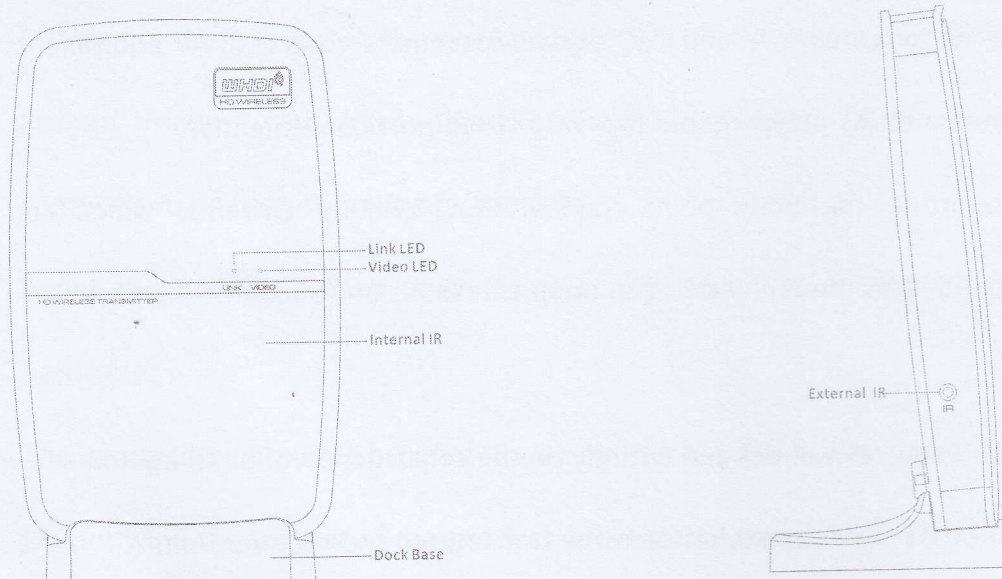
- Supports Full HD 1080p signals.

- Real-time uncompressed audio is embedded **within output** stream.

- Suitable for use with home cinema and **computer equipments.**

- Internal or extends IR and CEC signals for remote control of AV equipments.

- Connect to PC/player/game box with HDMI port conveniently.

- Supporting the point-point transmission function currently which can be expanded to the multi-point to point transmission function.

* Actual distances will depend entirely on the construction of building and any walls or floors that are situated between the transmitter and receiver units.

Packing list

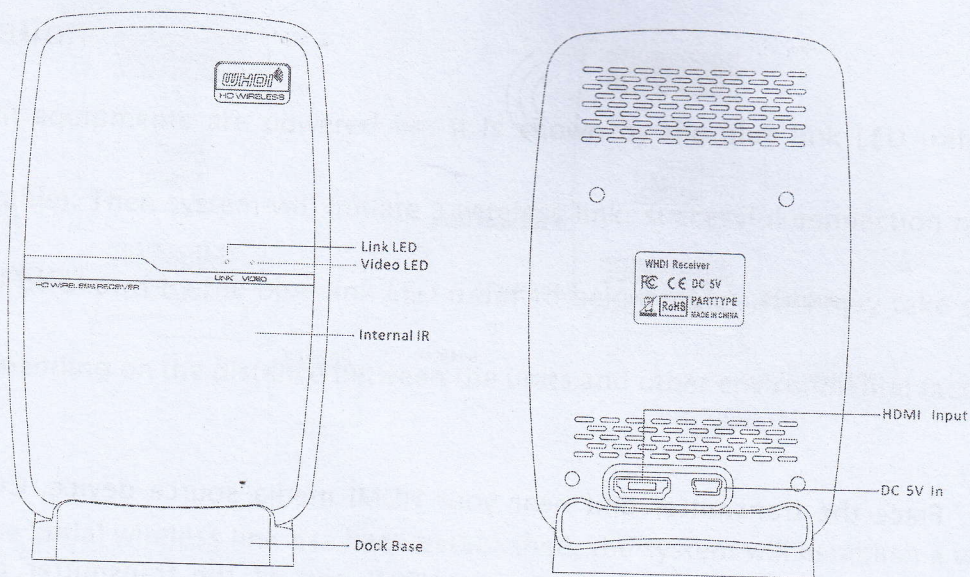| |
|---|
| 1 X Wireless HDMI transmitter (TX) |
| 1 X Wireless HDMI receiver (RX) |
| 1 X Remote controller |
| 2 X DC 5V power adapters for TX/RX |
| 1 X IR extension cable |
| 2 X USB cable |
| 2 X HDMI cables |
| 2 X Dock base |
| 1 X User manual |

Product overview

Link LED
Video LED

Internal IR

HD WIRELESS TRANSMITTER

LINK VIDEO

Dock Base

External IR

IR

WHDI Transmitter

FC CE DC 5V

RoHS PARTTYPE

MADE IN CHINA

HDMI Input

DC 5V In

Wireless HDMI Transmitter Unit

Link LED
Video LED

Internal IR

Dock Base

WHDI Receiver

FC CE DC 5V
RoHS PARTTYPE
MADE IN CHINA

HDMI Input

DC 5V In

Wireless HDMI Receiver Unit
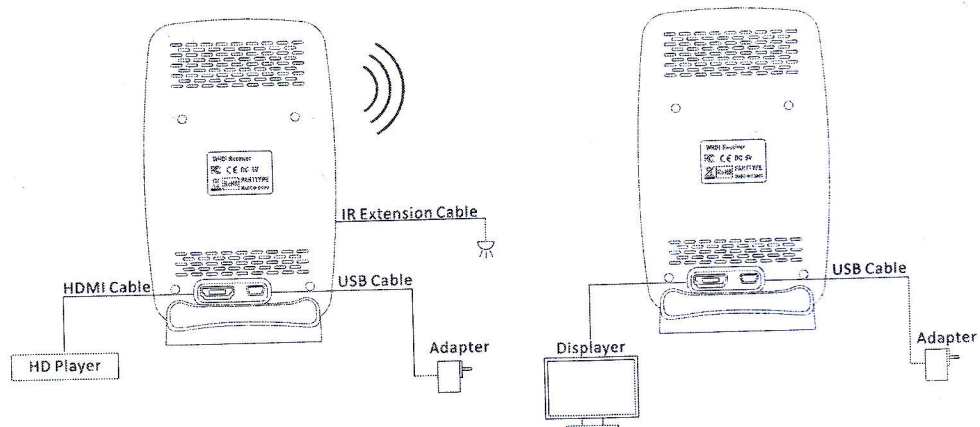
Getting started

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 television in your bedroom.

You need to install the wireless HDMI transmission system and enjoy it. Furthermore, you can operate the media player with other original remote control in your bedroom.

Important!

Before staring the installation, ensure the all devices are powered off.

The following steps are for an installation using HDMI equipment, if you using DVI equipment you should substitute the HDMI cables for DVI to HDMI cables where required.

Installation

Labels on diagram: IR Extension Cable, HDMI Cable, USB Cable, USB Cable, HD Player, Adapter, Displayer, Adapter

- Place the transmitter unit near your HDMI media source device. Connect the HDMI media source device to the HDMI port of the transmitter by using a standard HDMI cable (included).

- Connect the IR extension cable to the IR port on the transmitter unit (transmitter has internal IR repeater. If it is hard to face your media source device IR receiver, choose external IR).

- Place the other end of the IR extension cable near the IR port of your HDMI media device (If choosing internal IR repeater, ignore this step).

- Place the receiver unit near your HDMI displayer or projector. Connect your HDMI displayer or projector to the HDMI output port of the receiver unit by using a standard HDMI cable (included).

- Connect the power adapter (included) to the DC 5V input ports of the transmitter and receiver by using standard USB cable (included).

Once these steps have been completed the system is ready to use.

* If your PC USB port doesn't have 800mA current output capability, connect power adapter (included) to stick USB port.

Operation

Once all equipments are powered on, it is shown by the blue link LED (refer to below table). Then system will initiate a wireless link, successful connection of the link will be shown by the blue link LED (refer to below table). 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 displayer remote controller.

| LED STATUS	MEANING
Link LED slow flicker (TX, RX, stick)	Power on
Link LED fast flicker (TX, RX, stick)	Establishing link
Link LED lighting (TX, RX, stick)	Established link
Video LED lighting (TX, RX) *	Established video link

IR repeater function

You can control your media source device remotely using the IR function.

Ensure that the internal IR port on the receiver unit is positioned to remote controller.

1. Position the internal IR port of transmitter near the IR port of your media source device.

2. If internal IR port of transmitter is hard to face your media source device, connect the supplied external IR repeater cable to the external IR input on the transmitter unit.

You can control your source device from the display side, using the source remote controller.
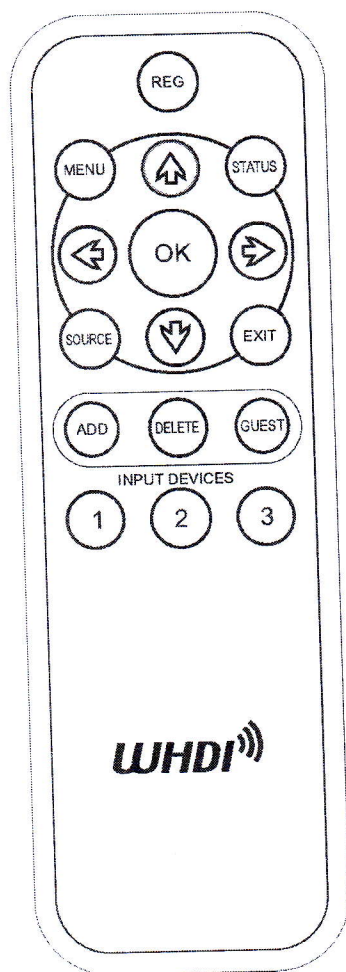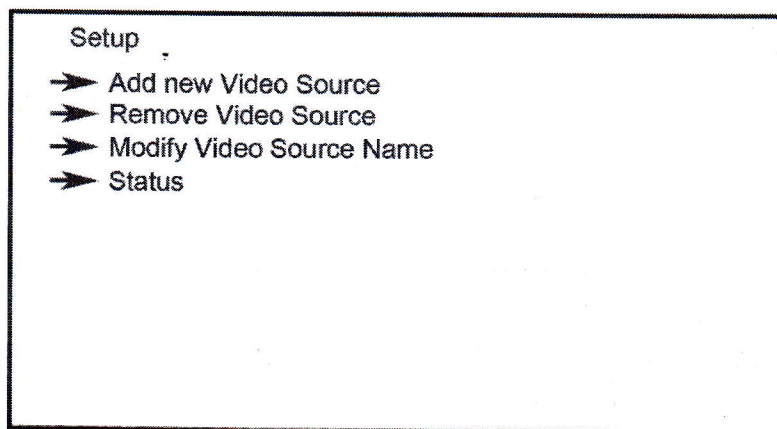
Remote controller operatio

REG	Registration
MENU	Enter to setup mode
EXIT	Exit setup mode
SOURCE	Wireless transmitter source list
ADD	Searching and adding a new wireless transmitter
DELETE	Delete a wireless transmitter
OK	Confirm key
1 2 3	Change to source 1 2 3
⇧⇦⇨⇩	Move cursor

CAUTION: Remove the paper from battery room please when you use controller first time.

Use enclosed remote controller to search and **add a new** transmitter to delete a transmitter. Use your remote controller point to transmitter.

Use enclosed remote controller to search and add a new transmitter to delete a transmitter. Use your remote controller point to transmitter.

Press the remote control MENU button, HDMI displayer shows

```
Setup
  ➤ Add new Video Source
  ➤ Remove Video Source
  ➤ Modify Video Source Name
  ➤ Status
```

Wireless HDMI receiver unit (RX) menu

You can choose "Modify Video Source Name" to change existing transmitter's name

with ⇧⇦⇨⇩ buttons.

Add a wireless transmitter

1. **Press ADD** button of the remote controller facing receiver, displayer shows

```
Please Activate Registration on Transmitter Unit
```
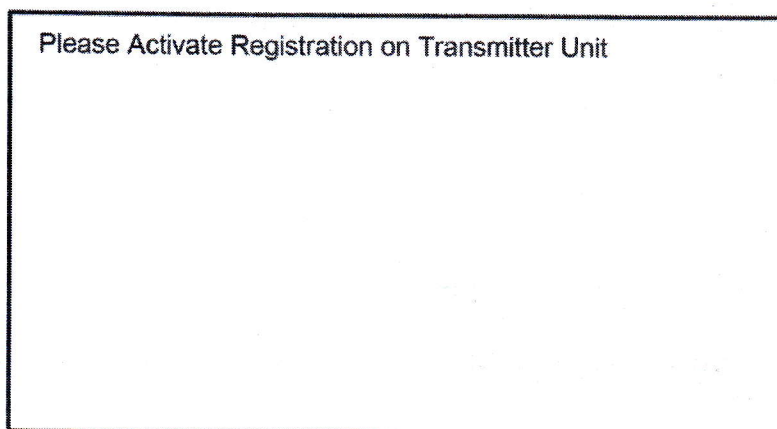
1. Press and hold REG button of the remote controller facing transmitter until link

   LED fast flicker.

   Displayer shows

   ```
   Adding TX
   Press OK to continue or Exit to cancel
   ```
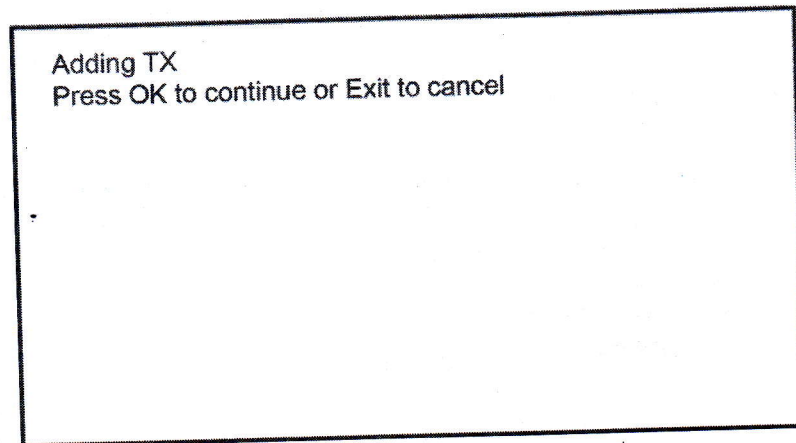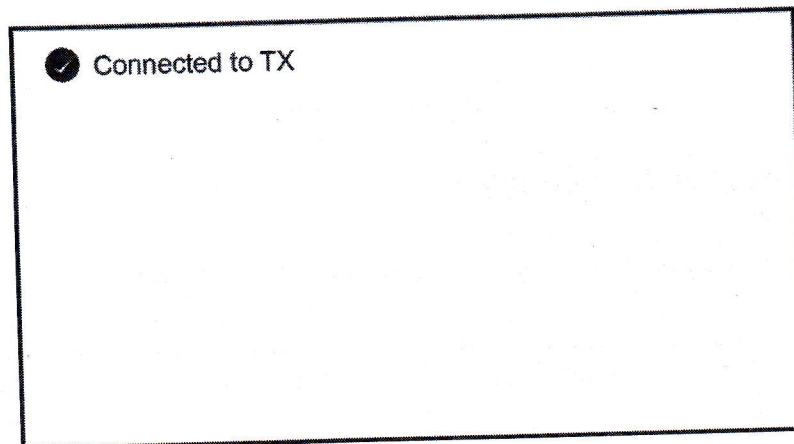
   Then press OK button of remote controller facing receiver.

   ※ "TX" means the name of your transmitter. It might be different in your device.

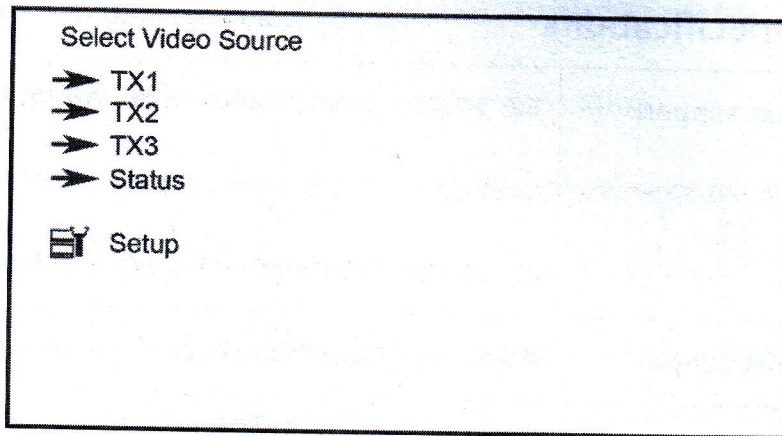2. If show

   ```
   ✓ Connected to TX
   ```

   the link is successful.

Select a wireless transmitter

Press the remote control SOURCE button facing receiver, displayer shows

```
Select Video Source
  ➤ TX1
  ➤ TX2
  ➤ TX3
  ➤ Status

  ▣ Setup
```

Use ⇧⇩ buttons to select a transmitter facing receiver, and then press the OK

button.

Delete a wireless transmitter:

Press the remote control DELETE button, HDMI displayer shows,

```
Choose Source to Remove
  ➤ TX1
  ➤ TX2
  ➤ TX3
```
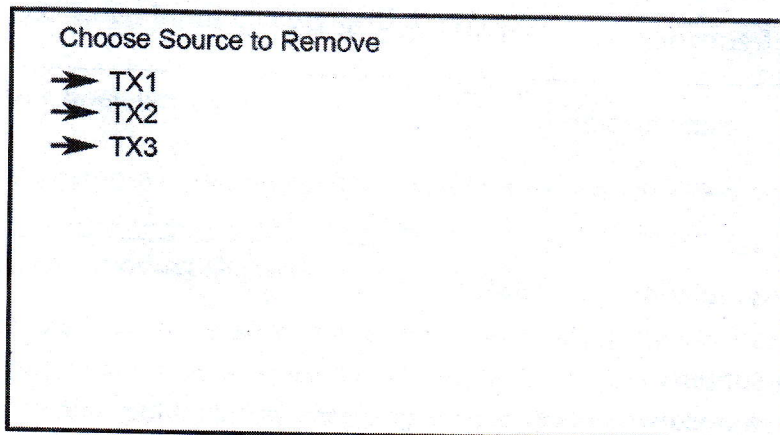
Use ⇧⇩ buttons to select a transmitter facing receiver, and then press the OK

button.

General specifications

Video format support	TV: 1080P, 1080i, 720P, 576p, 480p up to 60Hz
	PC: up to 1920x1080Pixles up to 60Hz
Audio format support	PCM, DTS, DOLBY DIGITAL
RF communication system	MIMO
Modulation	OFDM
Image delay	Less than 1ms
Antenna	High performance internal antennas
Operation frequency	5.1GHz to 5.9GHz
Maximum transmission power	15 ±2dBm
IR carrier modulation frequency support	38KHz
Power supply	AC input 100~240V, DC output 5V
Operation temperature	0 ~ 40°C

Troubleshooting

The link LED is not lit

Check power supply, or change positions of transmitter and receiver.

Can't establish link when adding a new transmitter

Reduce the distance (more than 1 meter at least) between the transmitter and

receiver units and then reconnect adapters.

Can't establish link when connecting a existing transmitter

1. Reduce the distance (at least more than 1 meter) between the transmitter and receiver units and then reconnect adapters.

2. If it is not workable after step 1, press REG button of remote controller facing transmitter (don't hold REG button).

3. If it is not workable after step 1 and step 2, delete the source and re-add it.

The video LED is not lit

Check video source and HDMI cables.

The screen is blank

Check displayer video input channel, HDMI cables.

The IR repeater does not work

Check the internal IR port (external IR repeater) if it faces to video source IR port.

WEEE Directive & Product Disposal

At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal.