# USER MANUAL

## HDMI Wireless Extender

**Enjoy the vivid world!**

## Dear customer

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

The products are designed to make your A/V device use more convenient, comfortable, productive and cost-efficient.

This product will let the user experience of transmitting the HD content by wireless. The HDMI sources over wireless kit extends high-definition video and audio to any HDTV displays up to 100 meters away. The extender follows the TCP / IP standard Wireless Transport Protocol, so it has high transmission rate and strong anti-interference capability. It also supports HDMI mirror output and infrared remote control extension. The HDMI Wireless Extender is widely applicable to office presentation, lecture, education, conference, family entertainments etc..

Our devices offer solutions for noise, space and security concerns, data center control, information distribution, conference room presentation, school and corporate training environments.
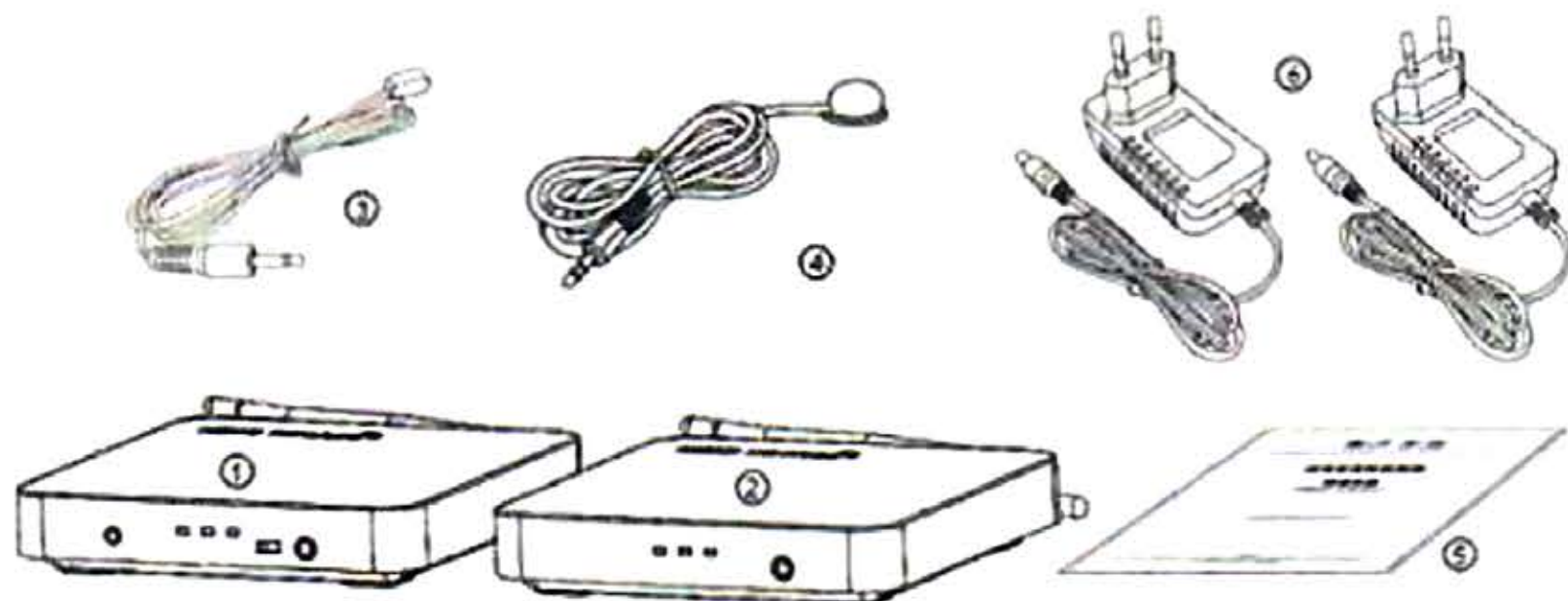
## INTRODUCTION

**FEATURES:**

- Contains a transmitter (TX) and a receiver (RX). The HDMI signal over wireless transmission from the transmitter to the receiver
- The TX support one HDMI loop output, for local screen monitor
- Support HDMI resolution: 480i/576i~1080P@50/60Hz and SVGA~WUXGA
- Digital 2.4G & 5GHz dual frequency wireless A/V transmission, high transmission rate and strong anti-interference capability
- Using an external dual - gain antennas. Full HD 1080p transmits up to 100 meters wireless in open space.( May be affected by the use environment)
- Extends wide-band infrared remote to control source device from display side
- Support OSD, for informed of device status
- Simple Plug and Play. Full hardware design, no software installation required
- Supports both panel settings and Web Configuration Interface, Simple and easy to use

## PACKAGE CONTENTS:

1. HDMI Wireless Transmitter 1pcs
2. HDMI Wireless Receiver 1pcs
3. IR Transmitter cable 1pcs
4. IR Receiver cable 1pcs
5. User manual 1pcs
6. DC power adapter 2pcs

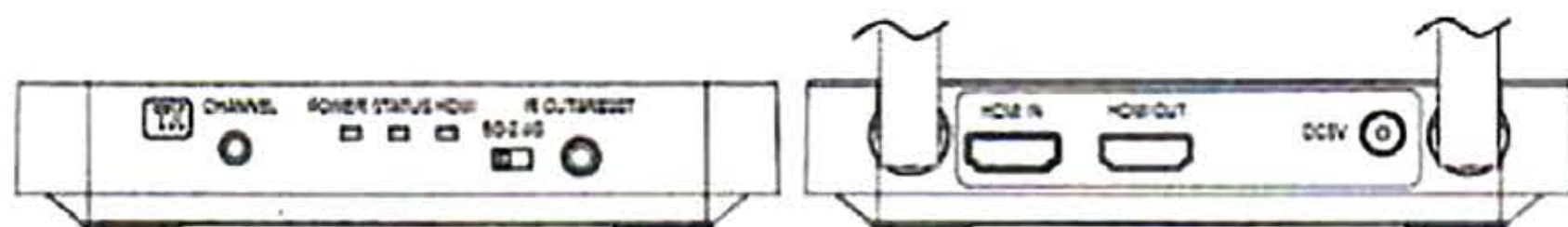## FEATURES OF THE INTERFACE:

### Transmitter (TX)
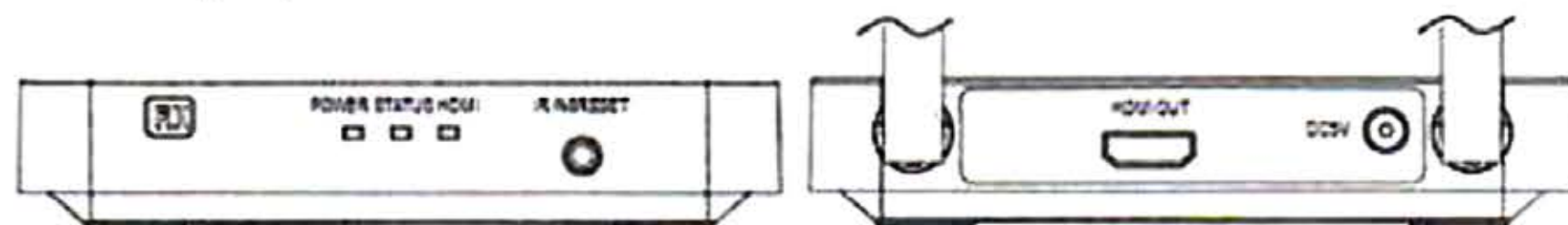
FIG.1 TX Front Panel View

FIG.2 TX Rear Panel View

### Receiver (RX)

FIG.3 RX Front Panel View

FIG.4 RX Rear Panel View

**POWER**: Power indicator
**STATUS**: System status indicator
**HDMI**: HDMI input/output status indicator
**CHANNEL**: Wireless channel switch key
**5G-2.4**: 5G/2.4 working frequency selection
**IR OUT&RESET**: Insert IR transmitter cable & Factory Reset Button
**IR IN&RESET**: Insert IR receiver cable & Factory Reset Button

**HDMI IN**: HDMI INPUT
**HDMI OUT**: HDMI OUTPUT
**DC5V**: 5V DC in jack

## OPERATIONG AND CONNECTION:

1. Connect one HDMI cable from the DVD/BD player into the HDMI input port of the HDMI wireless TX.
2. Connect one HDMI cable from TV/Monitor into the HDMI output port of the HDMI wireless RX.
3. Connect the IR Transmitter cable to the HDMI wireless TX and the IR Transmitter cable must face to the control target device.
4. Connect IR Receiver cable to the HDMI wireless RX.
5. Connect 5V power supplies to the TX&RX, the POWER indicator will be lit at this moment.
6. The device will automatically connect after power on. The STATUS indicator of TX and RX will be lit when the connection is successful. If the HDMI input or output signal is normal, the HDMI indicator light will be lit also. The STATUS indicator flashes continuously during normal transmission.
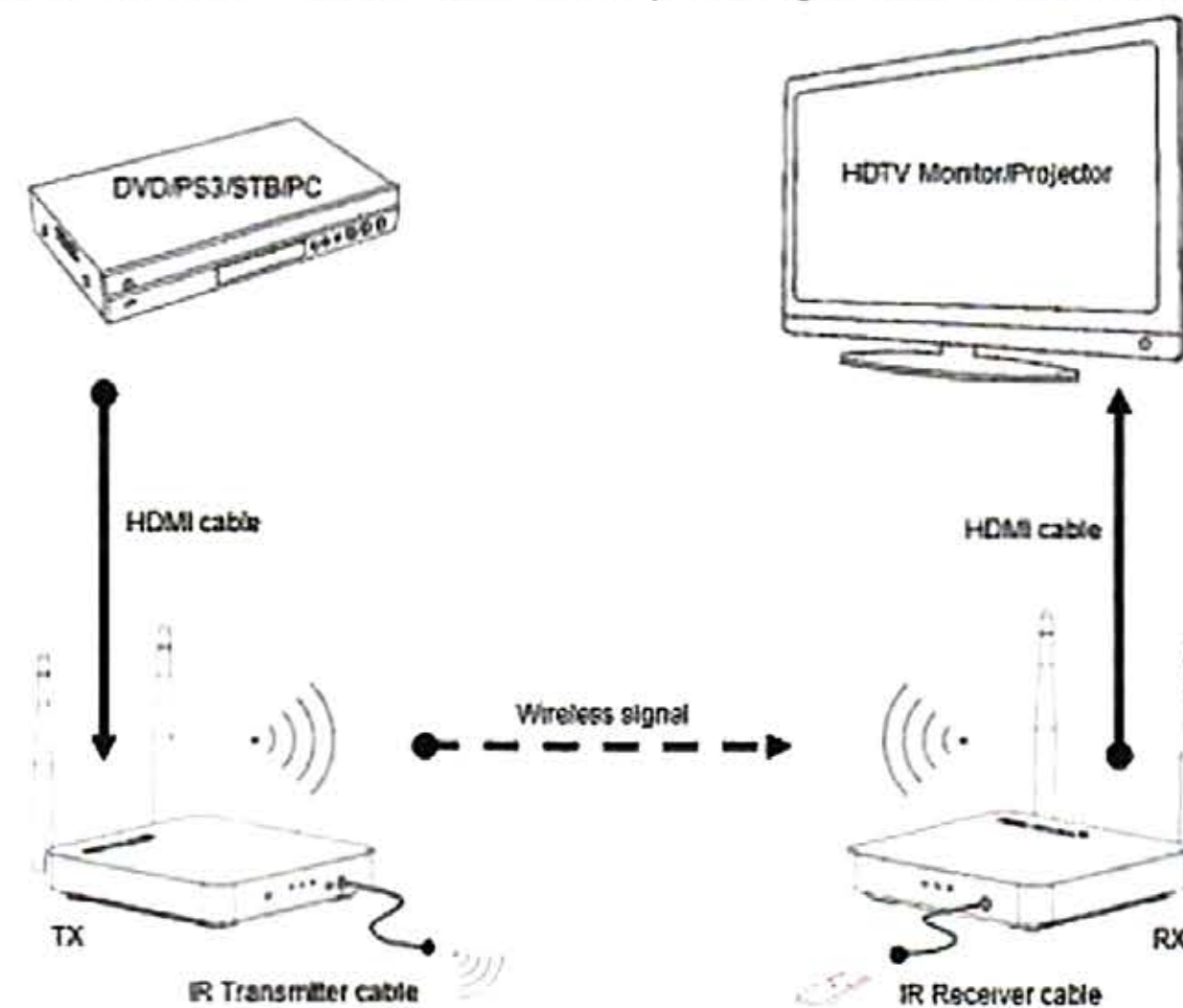
FIG.5 connection diagram

## Panel key operation instructions:

1. Change Wireless Band: Select the switch on the front panel of TX, you can set the working frequency range to 2.4g/5G.
2. Change Wireless channel: Press the "CHANNEL" key on the front panel of TX to cyclic switch the multiple wireless channels. If the product works unsteadily or pictures not fluent, You can try a different working channel.
3. Restore Factory Setting: To press the button for lasting three seconds, then the HDMI Status Led Light will flash for three times and restart, it shows that Restore Factory Set is successful.

The Factory Reset Button is located at the bottom of the Hole of the IR IN/OUT. It is able to work under power on status. To use one long and narrow insulated stick (like toothpick) to insert the hole end to press the button.

Note: You must to restore factory set at both transmitter and receiver.

## Web settings:

To prevent the interference caused by the same frequency device, the Wireless HDMI Extender support to set up the working frequency, transmit channel and SSID by the WEB. For safety, the user should change the SSDI and the password at the first log in. Please follow the below steps:

1. Connect 5V power supplies to the TX&RX, and let them be connected.
2. Turn on the WLAN of the mobile phone / PC, search and connect SSID: HDMI_Wireless, Enter the default password: 00000000.
3. Modify the IP address type of the mobile phone / PC to Auto. When you select static type, you must be set the IP in 192.168.1. xxx address segment range, e.g. 192.168.1.100.
4. Open the browser and scan the QR code or enter "192.168.1.10" in the address bar to enter the configuration page.. As shown below:



5. Enter the default login password: admin, click "Login" open the Settings Interface. If you want to modify the login password, please click on the " Modify ", after modified click "save" to save and exit. Restore factory settings when click "reset".



6. If you have an error in setting or forgot the password, you can restore factory setting.

## SPECIFICATIONS: HDEX0016M1

HDMI resolution ...................................................up to 1080P@50/60Hz
HDMI Audio Format....................................LPCM2.0/48KHz/16Bit
HDMI Max bandwidth...........................................................225MHz
HDMI Max baud rate..........................................................6.75Gbps
Input/Output TMDS signal.............................0.5~1.5Volts p-p(TTL)
Input/Output DDC signal.................................5Volts p-p (TTL)
HDMI output cable distance...................≤12m AWG26 HDMI standard cable
Antenna type.............................................External dual 3dBi gain antenna
Wireless standard...........................................IEEE 802.11a/b/g/n
Wireless Band..............................2.4GHz / 5GHz ISM Band
Max Data rates.......................................2T2R up to 300Mbps
Transmit Output Power（IPEX）.......................................16±2dBm
Transmission distance.............................up to 100m (in open space)
IR Carrier frequency...........................................20-60KHz
TX/RX Max working current..............................................1A
Power adapter format Input..............AC 100V~240V 50HZ/60Hz, DC5V/2A
Operating Temperature range........................................-5 to +45℃
Storage Temperature range........................-20 to +60℃
Operating Humidity range.........................10 to 90%RH (No Condensation)
Storage Humidity range.........................5 to 95%RH (No Condensation)
Case Dimension (L x W x H)....................127.5x127.5x25 (mm)
Weight...............................................................TX176g/RX170g

## Notes:

Pls use the machine as the instruction listed to keep the long use lifetime of the machine.

1. The machine should be placed at the spot far from the Damp, High-Temperature, Dusty, Erosive, and oxidative environment.
2. All parts will be free from the strong shake, hit, fall.
3. Touching the power adaptor with the wet hands is prohibited.
4. Pls hold the power adaptor head and do not pull the power cord when cut off from the socket.
5. Pls turn the power off when the machines not used for long time.
6. Pls do not open the cover and do not touch the inside parts.
7. Pls use the original factory power adaptor.

## FAQ:

Before power on, pls check the connection line carefully. And make sure that all interfaces are normally connected. The common trouble shooting way shows below:

| No. | Problem | DescriptionSolutions |
|---|---|---|
| 1 | No display | 1. Check the TV is on and has been connected with the machine.<br>2. Please check the TX power supply<br>3. Make sure the TV is working regularly |
| 2 | Display "Connecting" | 1. Please check the RX power supply<br>2. Please check the WEB are set correctly<br>3. Co-channel interference. Pls select a new band or channel<br>4. Pls reset or turn off the power restart |
| 3 | Display "No signal" | 1. Check the signal source is power on and output normal.<br>2. Check the signal source output resolution.<br>3. Make sure the HDMI cable is properly connected |
| 4 | Transmission distance is short | 1. Please adjust the angle of the antenna or adjust the placement<br>2. Concrete walls, Brick, Wallpaper, Metal, Bulletproof glass willshorten the signal cover range or cause big signal loss.<br>3. Co-channel interference. Pls select a new band or channel |
| 5 | Screen not fluent | 1. Please adjust the angle of the antenna or adjust the placement<br>2. Co-channel interference. Pls select a new band or channel |
| 6 | Can't find the SSID | 1. Please check the RX and TX power supply<br>2. Please check whether the Phone/PC supports 2.4G/5G band<br>3. Factory default or turn off the power restart |
| 7 | Can't login to theWeb settings interface | 1. Please check the RX and TX power supply<br>2. Please check the IP type of mobile phone/PC is Auto<br>3. Please check the IP is in 192.168.1.XXX address range<br>4. Please try Login again after changed a browser |