# USER MANUAL

## HDMI Wireless Extender

## Model No: HDEX0016M1

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**REMARK**

Manufacturer does not make any commitment to update the information contained hereir

## 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 You're 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.

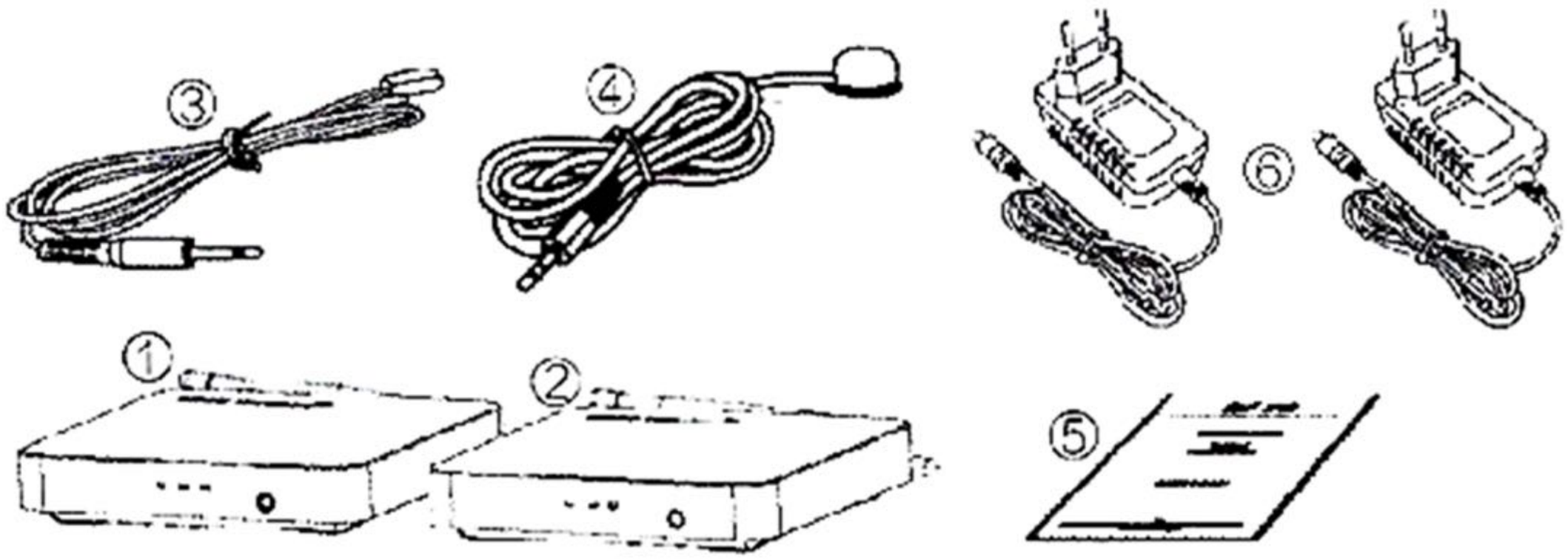
## FEATURES

- 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 wirelessly in open space.( May be affected by the use environment)
- Extends 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
- Support Web Configuration Interface, Simple and easy to use

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# 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

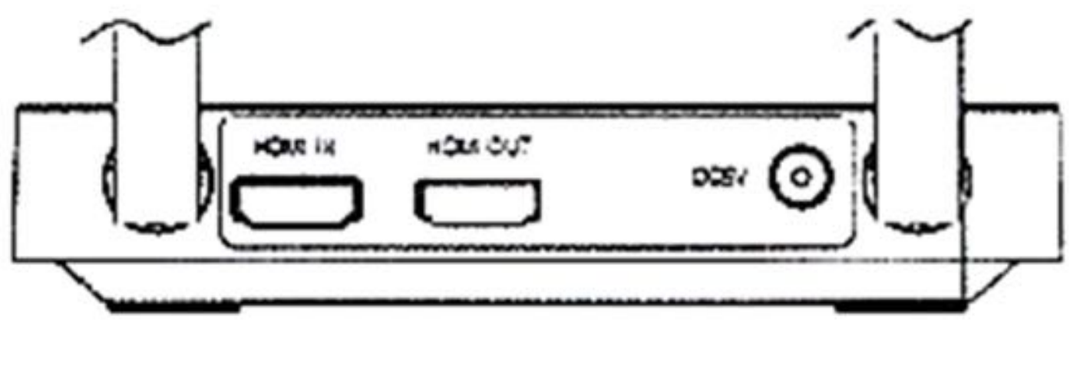



FIG.2 TX Rear Panel View

## Receiver (RX)

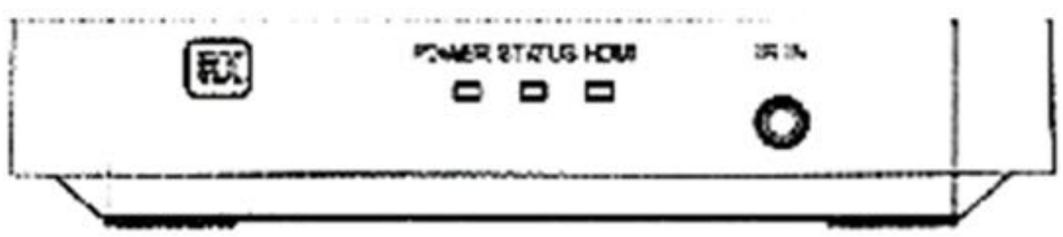



FIG.3 RX Front Panel View

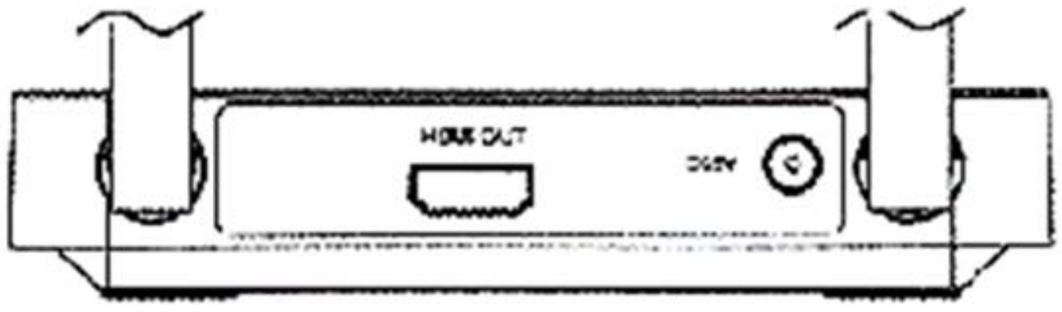



FIG.4 RX Rear Panel View

POWER: Power indicator
STATUS: System status indicator
HDMI: HDMI input/output status indicator
IR OUT: Insert IR Transmitter cable
IR IN: Insert IR Receiver cable

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

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# 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, and inserted into the power socket.

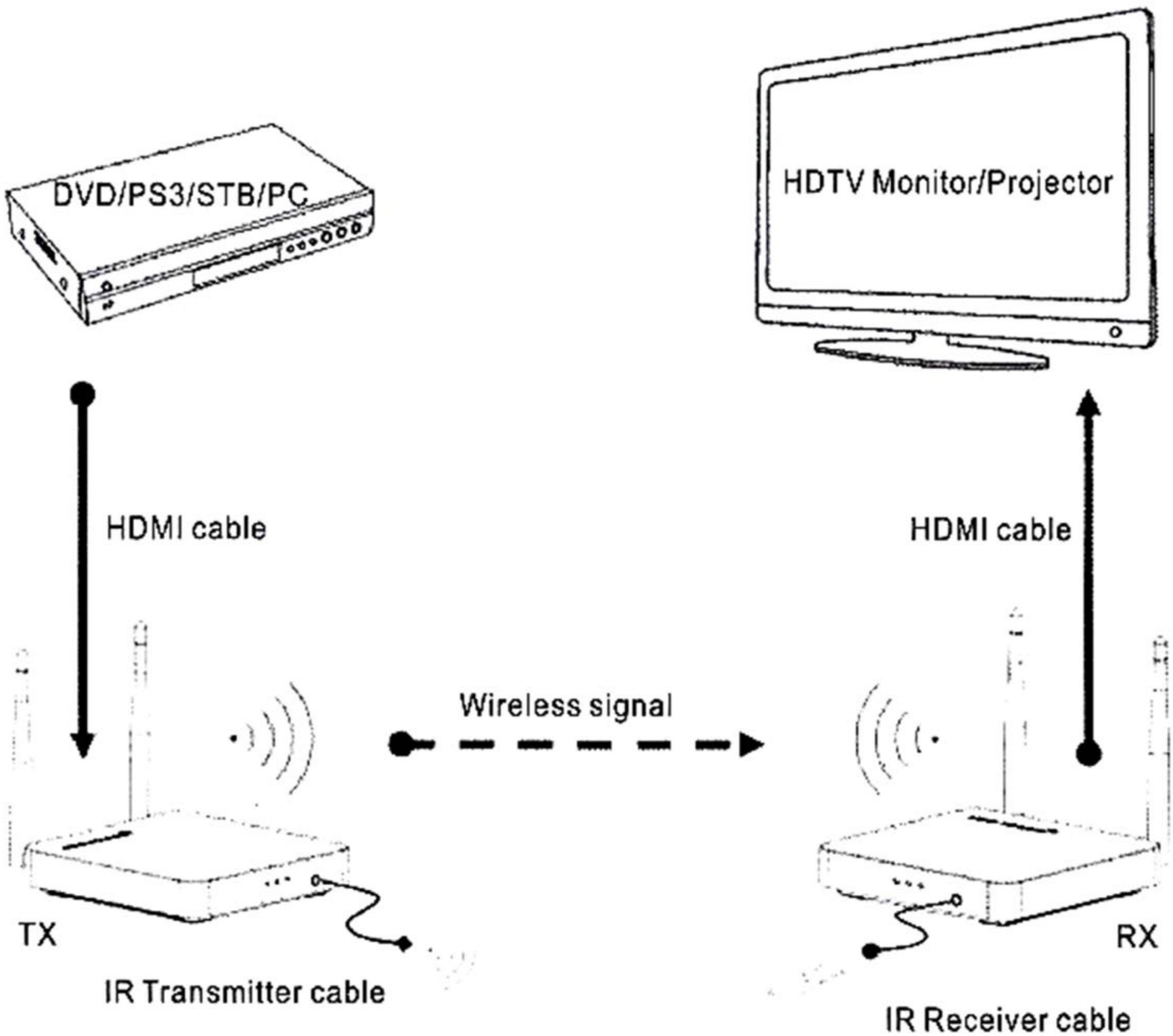


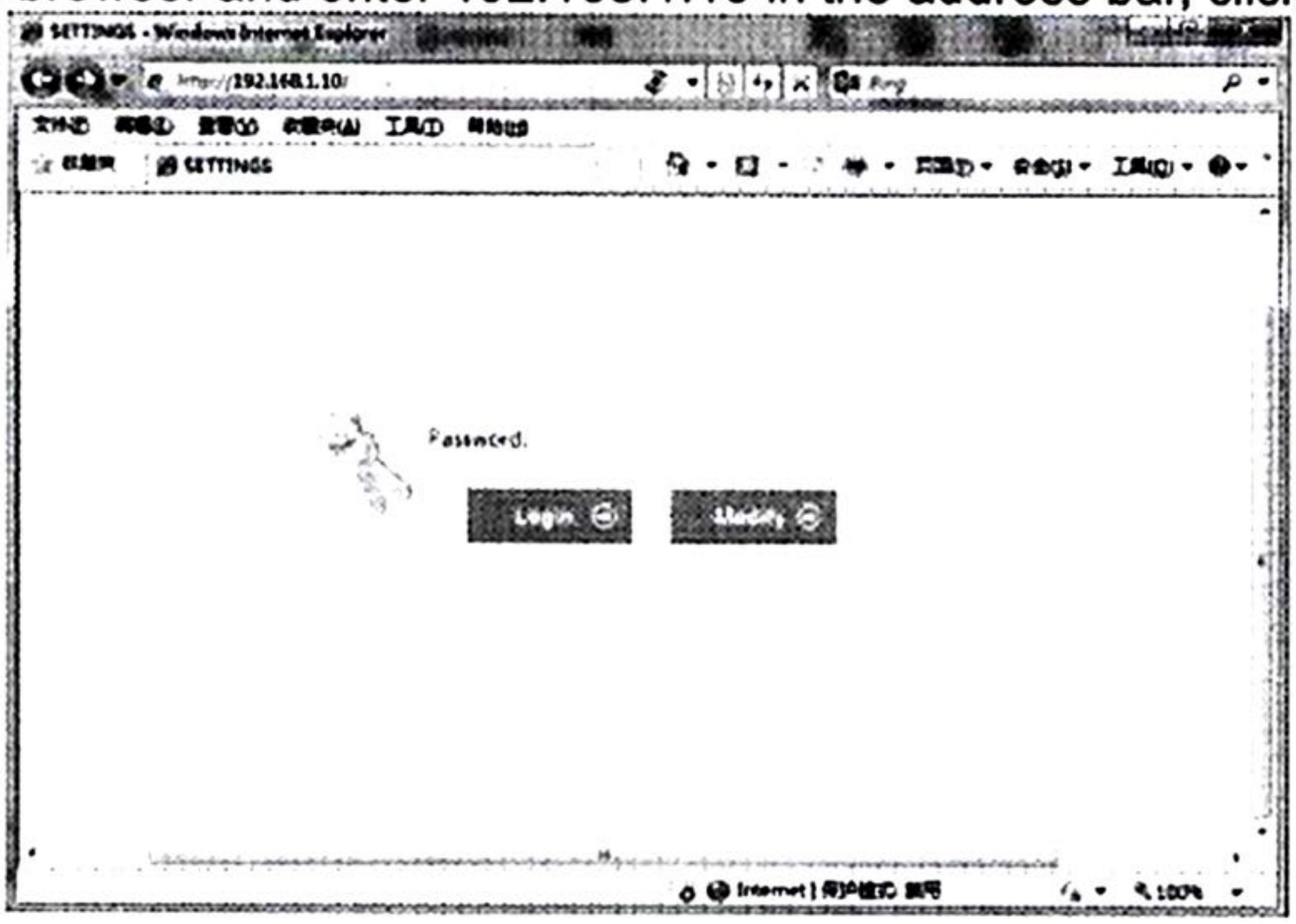

FIG.5 CONNECTION DIAGRAM

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# 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. Pls follow the below steps:

1. Connect 5V power supplies to the TX&RX, and inserted into the power socket.
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 IE browser and enter 192.168.1.10 in the address bar, click “Enter”.




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 forgot the password, you can restore factory setting. The steps as below: First Connect the power adaptor to the Wireless Extender, second use one needle to insert the port of IR IN/OUT to press the Reset button; If the HDMI Status Led Light go flash for three times ,it
means the Reset action is finished successfully.

**Note: You have to do reset to sender and receive both first, then you can connect the Sender and receiver again. After reset the default wireless band is 2.4G.**

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## SPECIFICATIONS HDEX0016M1

HDMI Compliance ..... HDMI1.3/HDCP1.4
HDMI resolution ..... up to 1080P@50/60Hz&SVGA/ XGA/WXGA/SXGA/WXGA+/UXGA/ WSXGA+/ WUXGA
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 ..... 38KHz
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 ..... TX175g/RX170g

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## 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-Temperatur 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 Description | Solutions |
|---|---|---|
| 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 will shorten 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 the Web 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 |

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