



**Zenty | Professional A/V Solution Provider**

## **User Manual** <sup>[V1.0]</sup>



### **1080P Wireless HDMI Extender (200ft.)**

**ZT-214 | ZT-W60MEX (Transmitter & Receiver)**

**ZT-385 | ZT-W60MEX-RX (Receiver Only)**

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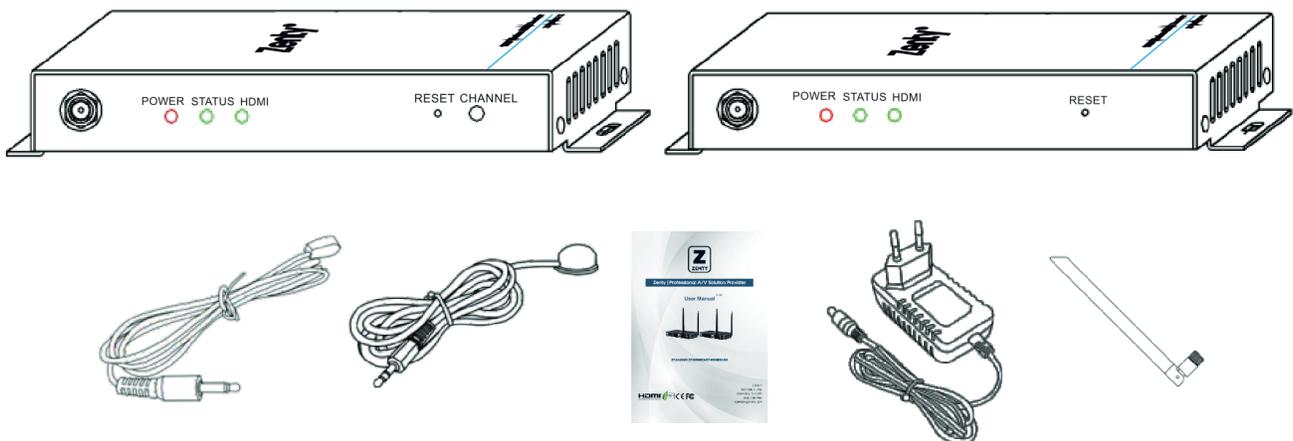
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# 1. Features

- One TX can be paired with up to two ZT-W60MEX-RX receivers
- Transmitter features a local HDMI output port for local display
- Supports HDMI resolutions: 480P - 1080P@50/60Hz and SVGA - WUXGA
- Utilizes the 5G ISM frequency band for high-transmission data rate and anti-interference capabilities
- Uses two external dual - gain antennas. Full HD 1080P transmits up to 60 meters wirelessly in open space. (May be affected by the use environment)
- Extends wide-band infrared remote to control source device from display side
- Supports OSD for easy access to device status
- Simple plug and play installation, no software required
- Includes web configuration interface

# 2. Package Contents

- (1) x HDMI Wireless Transmitter
- (1) x HDMI Wireless Receiver
- (1) x IR Transmitter Cable
- (1) x IR Receiver Cable
- (1) x User Manual
- (2) x DC Power Adapters
- (4) x Antennas



### 3. Interface Features

#### Transmitter (TX)



FIG 1. TX Front Panel View



FIG 2. TX Rear Panel View

POWER: Power indicator

STATUS: System status indicator

HDMI: HDMI input/output status indicator

RESET: Factor reset button

CHANNEL: Wireless channel switch button

DC12V: 12V DC in jack

IR OUT: Port for IR transmitter cable

HDMI IN: HDMI input port

HDMI OUT: HDMI loop output port

#### Receiver (RX)

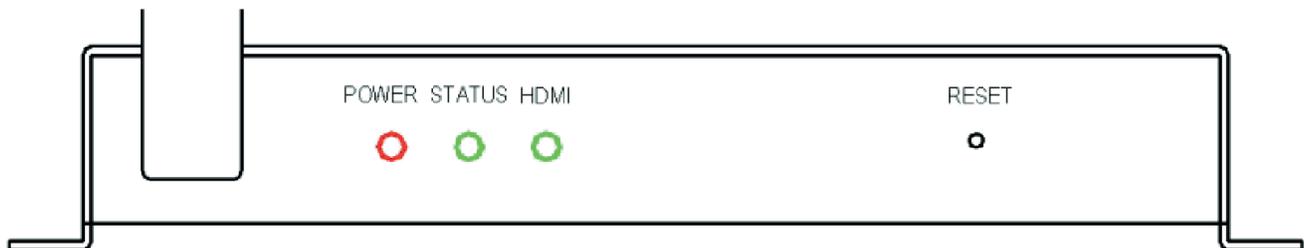


FIG 3. RX Front Panel View

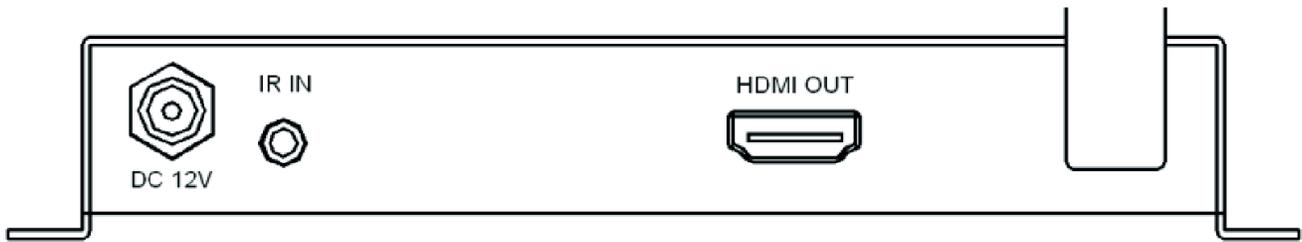


FIG 4. RX Rear Panel View

POWER: Power indicator

STATUS: System status indicator

HDMI: HDMI input/output status indicator

RESET: Factor reset button

DC12V: 12V DC in jack

IR IN: Port for IR receiver cable

HDMI OUT: HDMI loop output port

## 4. Operation and Connection

1. Connect one HDMI cable from the HDMI source device (set top box, DVD player, streaming device etc.) 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's IR Out port and the IR Transmitter cable must face the source device's infrared eye/sensor.
4. Connect IR Receiver cable to the HDMI wireless RX's IR In port.
5. Connect 12V power supplies to the TX and RX, the POWER indicator will be illuminated when done successfully.
6. The extenders will automatically pair after being powered on. The STATUS indicator of TX and RX will be illuminated when the connection is successful. If the HDMI input or output signal is normal, the HDMI indicator light will also be illuminated. The STATUS indicator flashes continuously during normal transmission.
7. If you are using multiple receivers, all receivers will be connected in the same way.

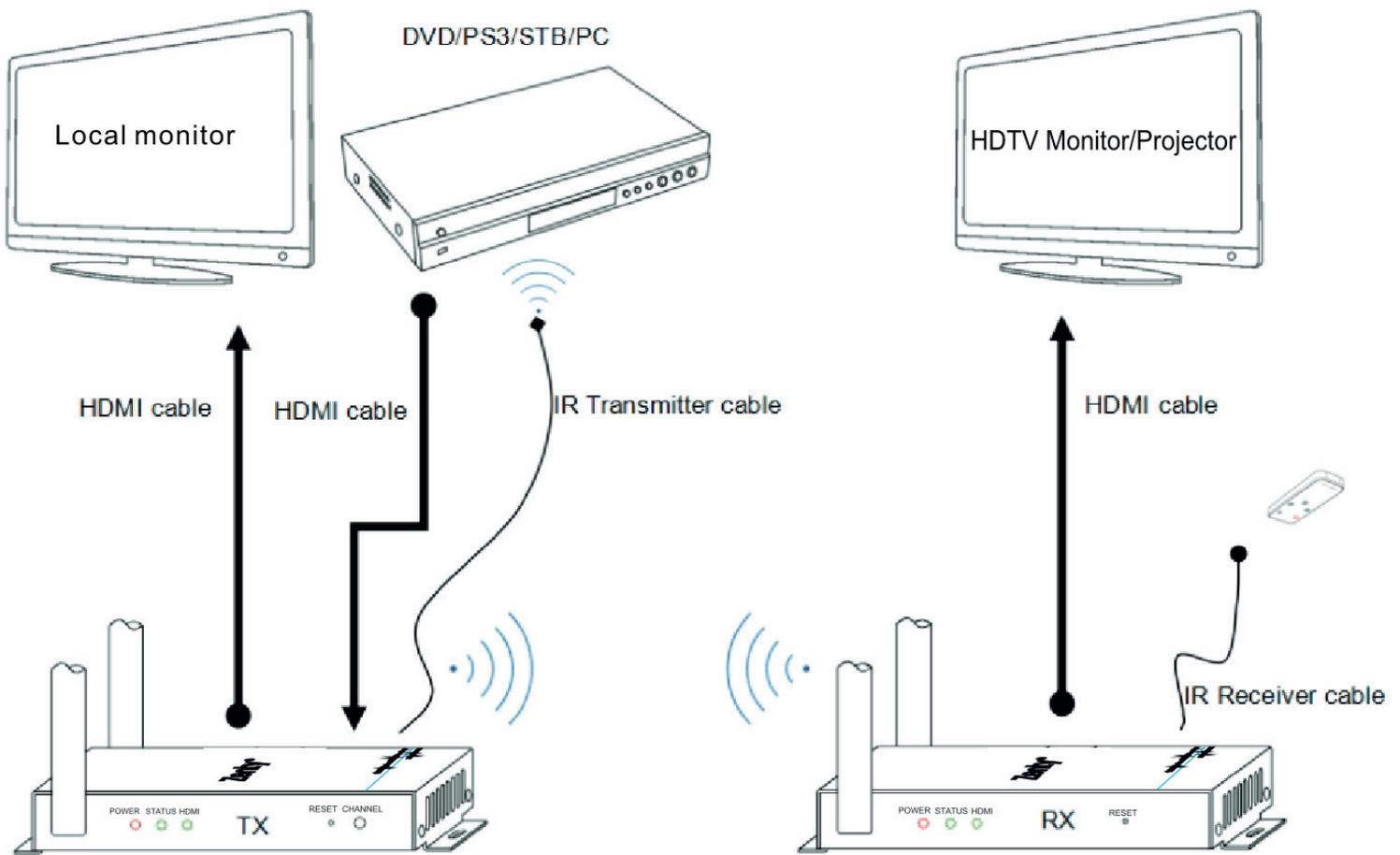


FIG 5. Connection Diagram

## 5. Panel Key Operation Instructions

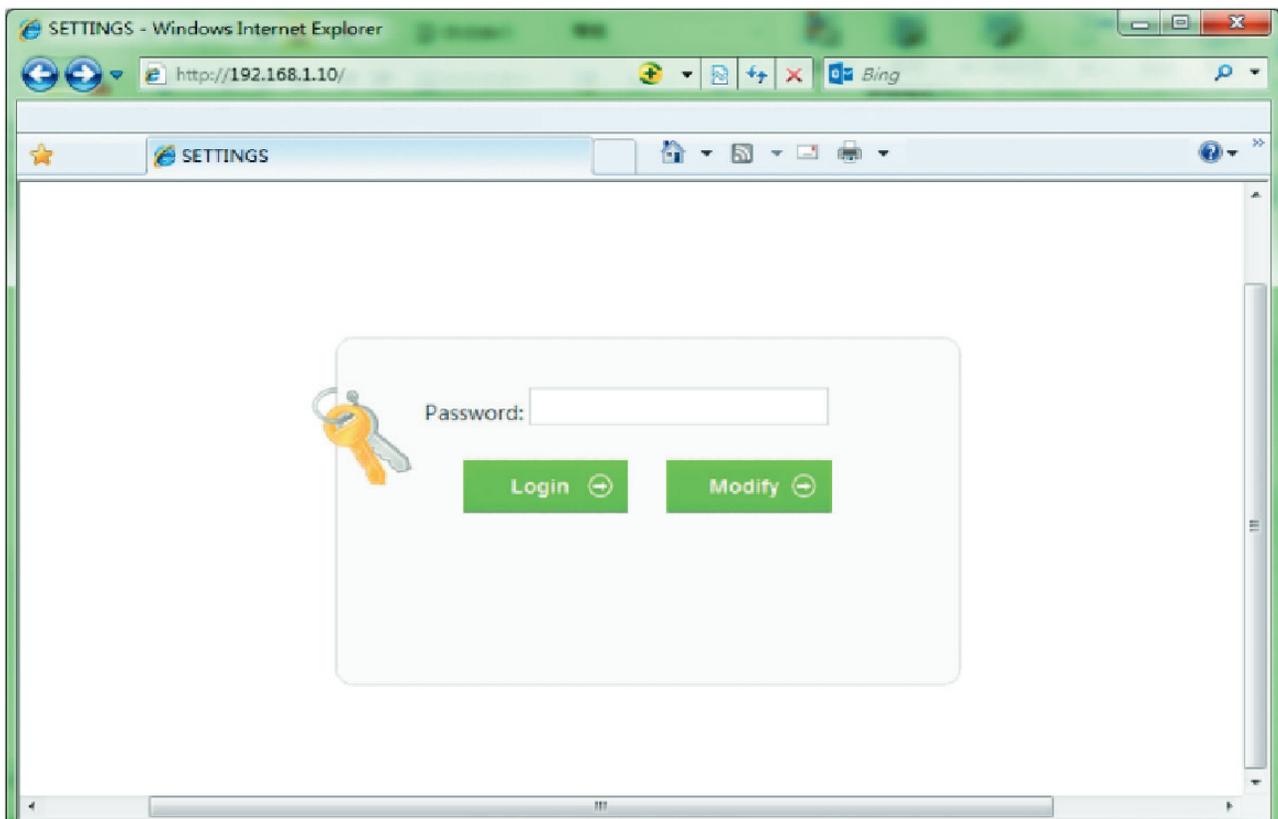
1. Changing Wireless Channel: Short press the “CHANNEL” key on the front panel of the TX to cycle through multiple 5GHz wireless channels. If the product works unsteadily or the picture is intermittent, please try a different channel.
2. Restore Factory Settings: Press and hold the “RESET” button for three seconds. The HDMI status LED will flash three times, and the device will restart. The OSD will show that Restore Factory Set is successful.

The Factory Reset Button is located at the bottom of the “RESET” hold found on the transmitter and receiver. Perform factory reset while the device is powered on. Users will need to use a long and slim stick, like a paper clip, to press the RESET button.

## 6. Web Settings

To prevent interference caused by a device using the same frequency, the Wireless HDMI Extender supports set-up adjustment of operating channel and SSID via web. For safety, the user should change the SSID and password during the first login. Please follow the steps below:

1. Connect 12V power supplies to transmitter and all receivers, and let them finish with the pairing sequence.
2. Enable WiFi on the mobile phone/PC, search for and connect to SSID: ZT\_HDMI\_Wireless\_1. Enter the default password: 00000000
3. Modify the IP address type of the mobile phone/PC to Auto (DHCP). When you select static type, you must 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 web GUI as shown below:



5. Enter the default login password: admin. Click “Login” to open the settings interface. If you want to modify the login password, please click on the “Modify” button. After the password has been modified, click “save” to save your changes and exit. Restore factory settings by clicking the “reset” button.

The screenshot shows a settings interface with the following fields and buttons:

- Wireless Band: 5G (dropdown menu)
- Channel: 44 (dropdown menu)
- Name(SSID): HDMI\_Wireless (text input field)
- PSK Password: 00000000 (text input field)
- save (green button)
- reset (green button)

6. If you have made an incorrect setting adjustment or forgot the set password, you can restore factory settings on both transmitter and receiver.

## 7. Specifications

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/n
Wireless band	5GHz ISM Band
Max Data rates	2T2R up to 300Mbps
Transmit Output Power (IPEX)	20dBm Max

Transmission distance	up to 200ft. (in open space)
IR Carrier frequency	20-60KHz
TX/RX Max working current	1A
Power adapter format Input	AC 100V~240V 50Hz/60Hz, DC12A
Operating Temperature range	-5 ~ 45°C
Storage Temperature range	-20 ~ 60°C
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)	5 x 5 x 0.98 (in)
Weight	TX: 0.359lbs / RX: 0.352lbs

**Notes:**

Please use the machine as instructed to preserve longevity.

1. The machine should be placed in a location far from damp conditions, high-temperatures, and dust. Please also avoid erosive and oxidative environments.
2. Avoid dropping, hitting, or shaking the wireless extenders.
3. Touching the power adapter with wet hands is prohibited.
4. Please hold the power adapter head and do not pull the power cord when removing from an electrical socket.
5. Please turn the power off when the machines are not used for a prolonged period of time.
6. Please do not attempt to open or tamper with the internal components.
7. Please use the provided power adapter only.

**FAQ:**

Before powering on, please check all connecting cables carefully. Please ensure that all cables are seated in their respective ports correctly.

No.	Problem Description	Solutions
1	No display	<ol style="list-style-type: none"> <li>1. Ensure the TV is on and is connected to the extender via HDMI</li> <li>2. Please check the TX power supply</li> <li>3. Make sure the TV is working regularly</li> </ol>

2	Displays “Connecting”	<ol style="list-style-type: none"> <li>1. Please check the RX power supply</li> <li>2. Please ensure the WEB settings are set correctly (if customized)</li> <li>3. Co-channel interference. Please select a new channel</li> <li>4. Please power cycle both the transmitter and receiver</li> </ol>
3	Displays “No Signal”	<ol style="list-style-type: none"> <li>1. Check the signal source is powered on and output is normal</li> <li>2. Check the signal source output resolution (ensure it is supported)</li> <li>3. Make sure the HDMI cable is properly connected</li> </ol>
4	Transmission distance is short	<ol style="list-style-type: none"> <li>1. Please adjust the angle of the antenna or adjust the placement</li> <li>2. Concrete walls, brick, wallpaper, metal, bulletproof glass will shorten the signal cover range or cause significant signal loss</li> <li>3. Co-channel interference. Please select a new channel</li> </ol>
5	Image is not fluid	<ol style="list-style-type: none"> <li>1. Please adjust the angle of the antenna or adjust the placement</li> <li>2. Co-channel interference. Please select a new channel</li> </ol>
6	Can’t find the SSID	<ol style="list-style-type: none"> <li>1. Please check the RX and TX power supply</li> <li>2. Please check whether the Phone/PC supports 5G band</li> <li>3. Factory default or turn off the power restart</li> </ol>
7	Can’t login to the web settings interface	<ol style="list-style-type: none"> <li>1. Please check the RX and TX power supply</li> <li>2. Please check the IP type of mobile phone/PC is Auto (DHCP)</li> <li>3. Please check the PC’s IP is in 192.168.1.xxx address range</li> <li>4. Please try logging in with a different web browser</li> </ol>

## 8. Maintenance

Clean this unit with a soft, dry cloth. Never use alcohol, paint thinner, or benzene to clean.

## 9. Warranty

If your product does not work properly because of a defect in materials or workmanship, our company (referred to as “the warrantor”) will, for the length of the period indicated as below, “Parts and Labor (5) Years”, which starts with the date of original purchase (“Limited Warranty period”), at its option either (a) repair your product with new or refurbished parts, or (b) replace it with a new or a refurbished product. The decision to repair or replace will be made by the warrantor.

During the “Labor” limited warranty period, there will be no charge for labor. During the “Parts” warranty period, there will be no charge for parts. You must mail-in your product during the warranty period. This Limited Warranty is extended only to the original purchaser and only covers products

purchased as new. A purchase receipt or other proof of original purchase date is required for Limited Warranty service.

## 10. Mail-In Service

When shipping the unit, carefully pack and send it prepaid, adequately insured, and preferably in the original carton. Include a letter detailing the complaint and provide a daytime phone and/or email address where you can be reached phone and/or email address where you can be reached.

## 11. Limited Warranty Limits and Exclusions

This Limited Warranty ONLY COVERS failures due to defects in material or workmanship and DOES NOT COVER normal wear and tear or cosmetic damage. The Limited Warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by warrantor, or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, mis-adjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, or service by anyone other than a Factory Service center or other Authorized Servicer, or damage that is attributed to acts of God.

There are no express warranties except as listed under “Limited Warranty Coverage”. The warrantor is not liable for incidental or consequential damages resulting from the use of this product or arising out of any breach of this warranty. (As examples, this excludes damages for lost time, cost of having someone remove or re-install an installed unit if applicable, travel to and from the service, loss of or damage to media or images, data or other recorded content. The items listed are not exclusive but are for illustration only). Parts and service, which are not covered by this limited warranty, are your responsibility.



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