

WIRELESS HD VIDEO

Transmission Solution

EU Environmental Protection

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.



USER MANUAL

(EN)

This user manual applies to FW3060 :
Transmitter & Receiver




English-01
Version: 1.1
2015.07

Important Information

Please read this user manual before you use this product, it contains all the notes and important things regarding operating this product. In accordance with the safety precautions and operating instructions listed on this user manual, our applies provided the product is handled properly for its intended use, but may not apply to below cases:

- e Repairs or product modification and alterations have been executed by unauthorized personnel.
- e The damages are caused by accidents including but not limited to lightning, fire, exposed to rain or water, and moisture.
- e Do not use provided power adapter with specific power voltage which are not compliant with the rated voltage range in the attached label of the power adapter in package.
- e The model label on the product has been modified or the warranty tag has been removed by unauthorized personnel.

Safety Precaution

 Danger! High voltage	To reduce the risks of electricity, do not remove or open the cover. No user-serviceable parts are inside. Please return to original factory for maintenance
 *ê/Ë<...	The high temperature in the process of operating the device may cause the high risk of slalding.
 Caution!	Please use our standard power adapter. Detailed information Please refer to the rated voltage range showed on the label at the back of package's power adapter.

Danger: Be careful with electricity.

- e As connecting any equipment (such as any player or TV, etc.), please turn off the power to the product before any operation is undertaken.
- e Power outlet: To prevent electric shock or fire, short circuit, please make sure the type of electric at plug used on the receiver's and transmitter's power cord are compliant with the rated voltage range in the attached label of the power adapter in package.
- e Power cord: Do not place any heavy articles above on the power cord. To avoid being stepped on or pinched by heavy items, the power cord should not be located on the place where people pass by frequently.
- e Power overload ing: Avoid overloading wall's electrical outlets and extension cord or other multi-socket: otherwise could result in electric shock or fire.
- e Lightning ing: For protection from lightning or when the product is left unattended for a long period, please disconnect it from the power source.
- e Please disconnect the power cord from the power outlet when you are not using the receiver and transmitter, this will reduce the risk of electric shock or fire.

Warning

- e This product should not be exposed to dripping or splashing. Do not place any object filled with liquid on the product (eg. vases).
- e To avoid electric shock, please do not block or stick anything on the air vent of product; do not remove the cover or put the object just like pins, steel wire into the gap of the air vent.
- e Please place the receiver/transmitter on a flat with hard and stable surface.
- e Ventilation: please do not block the air vents on the receiver/transmitter or place any heavy object on top of them. Blocking the air flow can damage the product itself. Please make sure that there is adequate ventilation distance between the receiver and TV, and also put the product away from direct sunlight or any source of heat.
- e Water Exposure: To reduce the risk of electric shock or fire, please do not expose the receiver/transmitter to rain or moisture.
- + We assume no responsibility for any damage or result caused by using other adapters instead of our standard adapters

Special Notice

- e Although the product has provided the function of data encryption when transmitting, you still need to pay attention to deliberate signal interception. There will be the possibility of a third party intentionally intercept the transmission signal since the product adopt wireless communication. Please do not use the product on confidential and important communications, or life-related communications. The main concern is that the content of wireless communication might be received by the third party's wireless devices deliberately or accidentally.
- e The impact of radio waves such as the following environment may cause the abnormal audio and video (blocked image, noise...etc.).
 - 1) Transmit near the wall which is hard for the radio waves to get through.
 - 2) Quite close to the refrigerator, metal furniture and appliances, or next to the crowded situation.
- e This product has been tested and manufactured to comply with national electrical safety rules, however, there will be noise caused by the interference with other machines in rare cases. If the interference is happened, please keep the product a certain distance away from other machines.
- e Optimal range between transmitter and receiver is between 1 meter to 30 meters within line of sight indoor.
- e Please do not set up the transmitter and receiver in metal shelf, or the wireless communications could be shielded.
- * 1080P/60Hz wireless transmitting.
- ¥ It will take about 10 seconds to boot the system before wireless communication start, the media receiver can not be operated during this time.

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Foreword

- Please read this manual carefully before you use this product and retain it properly for future reference.
- If there is any doubt or difficulty in the process of product usage, please feel free to contact us or the dealer.
- The company reserves the authority to amend the specification.

Brief Introduction

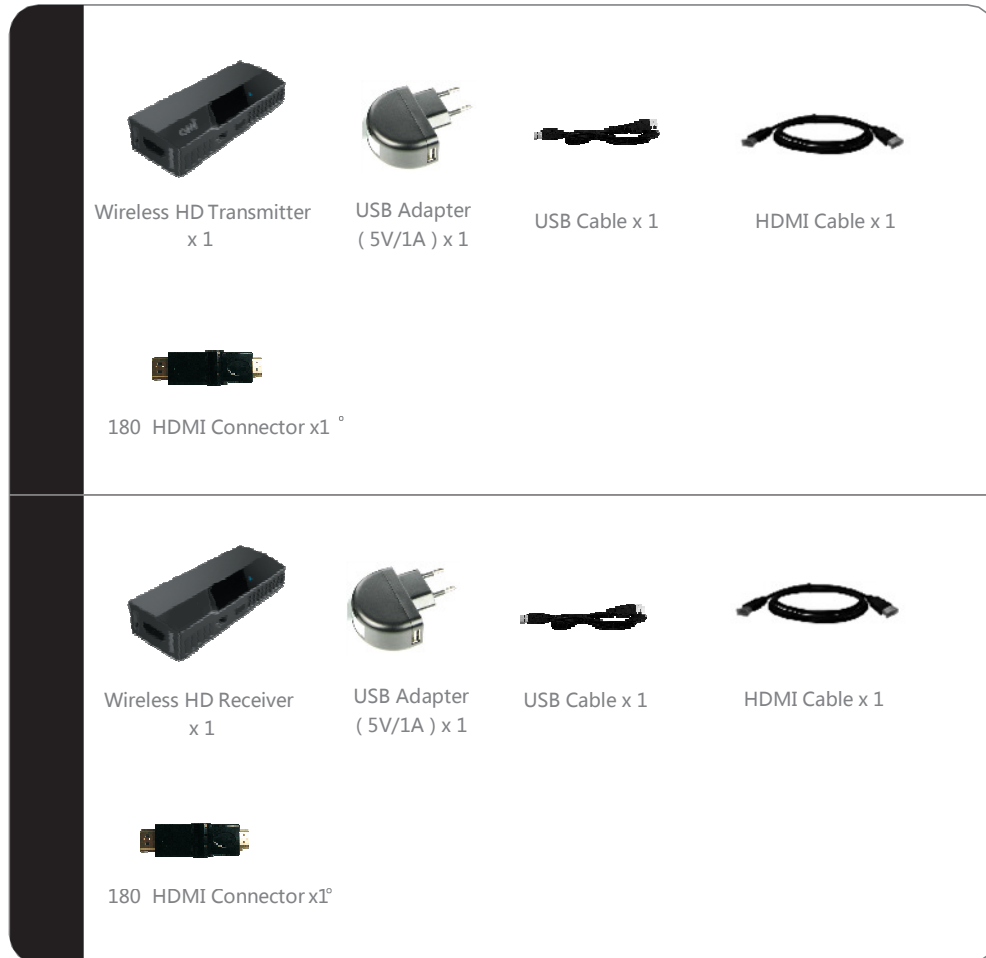
This device is a wireless full HD video streaming system based on 60GHz solution, is featured with uncompressed, zero latency and maximum 4Gbps transmission rate.

Features

- Support point-to-point transmission.
- Support devices with HDMI output, such as Blue-Ray Player, HD Media Player, IPTV, PC, Laptop and PS3 etc.
- 60GHz wireless HD video transmission, transmitting bit rate up to 4Gbps
- Real time, latency within 1ms.
- Support 3D 720P/1080P.
- Support HDCP 2.0.
- Support digital audio up to 7.1.
- Full hardware design, plug-and-play.
- Maximum range: 30m LOS

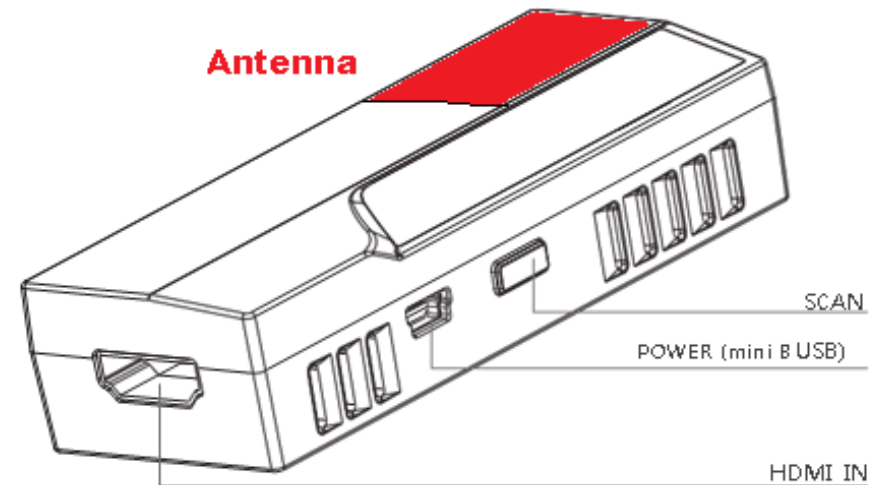
Packing List

Please check the packing list carefully, if any parts is missed, please contact your dealer. Components of all models are subject to the following packing list.



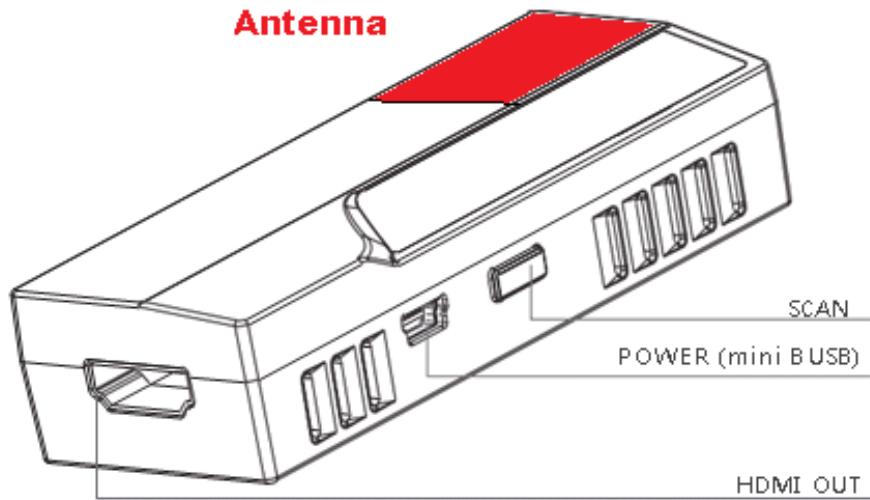
Structure & Interface

Wireless HD Transmitter



1. SCAN:
Short press to wake up when product is in stand-by status
Short press to connect to RX in working status under point to point mode.
2. POWER(mini B USB):mini USB socket for power supplying by USB cable.
3. HDMI IN :for audio and video input.
4. Antenna Area keep free and in 60 degree direction to receiver for best performance

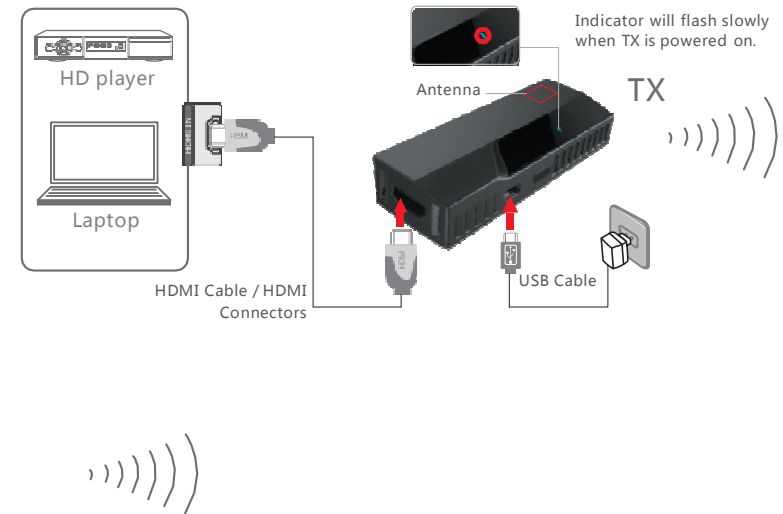
Wireless HD Receiver

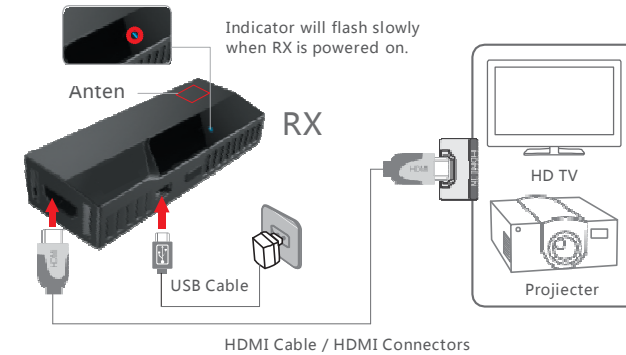


Antenna Area keep free and in 60 degree direction to transmitter for best performance !

Product Installation

1. Connect the TX/RX to the source /display with HDMI cable / connector, connect the TX to available USB outlet for power, connect the RX with adapter and power on the products. Indicators of TX&RX will flash slowly when the products are powered on.















1. SCAN:
Short press to wake up when product is in stand-by status
No need to press SCAN key in working status under point to point mode.
2. POWER (mini B USB): mini USB socket for power supplying by USB cable.
3. HDMI OUT: for audio and video input.

2. When the products are powered on and indicators of TX&RX are flashing slowly, please press code key of TX for 1 sec and then release, and both indicators will be flashing rapidly which means the pairing process is done. (Original pack of TX and RX were paired as default set in the factory already and shall disregard current step.)
3. When the AV source player&displayer are powered on and the indicators of TX&RX light on steadily, the video output is working normally.

Note: To obtain best performance of range , please always keep the antennas surfaces of TX and RX are facing to each other.

Indicators

Model	Indicator	Indicator Status	Working Status
 TX	Network indicator	 OFF	No power on or in stand-by status
		 Flash slowly	TX and RX are unconnected.
		 Flash rapidly	TX and RX are connected.
		 ON	AV is normally transmitted
 RX	Network indicator	 OFF	No power on or in stand-by status
		 Flash slowly	TX and RX are unconnected.
		 Flash rapidly	TX and RX are connected.
		 ON	AV is received and output normally

Specification

FW3060A	
Frequency	HRP2: 59.40---61.56Ghz; HRP3: 61.56---63.72Ghz
Modulation mode	16QAM
Wireless standard	WirelessHD1.1
Frequency Stability	±10PPM
Bandwidth	1.76GHZ/HPR
Transmission power	28dbm(MAX)
Antenna gain	18dbi(MAX)
Antenna Angle	-80°~80°
Receiving sensitivity	-72dbm
Audio and Video interface	HDMI

FW3060A		
Transmitter/Receiver	Video resolution	2D: 480i,480p, 576i,576p, 720p, 1080i, 1080p 3D:720p,1080p PC: VGA (640x480), SVGA (800x600), XGA (1024x768),
	Audio format	PCM、AAC、Dolby Digital 2.0/5.1、DTS 5.1、LPCM 5.1/7.1
	System latency	≤1ms
	Range	30M LOS(MAX)
	Power consumption	3.3W(MAX)
	Power supply	DC 5V/1A
	Protected Overvoltage	6~17V
	Operation Temperature	0-60°C
	Storage Temperature	-20°C - + 80
	Operation Humidity	15% - 85%
	Dimension	89.5*34.5*20mm
Weight	50g(±3g)	

* We are improving the products continuously. The specification may be upgraded with necessary change without notification.

Trouble Shooting

Problem			
Network	TX and RX Connection failure	TX or RX is not turned on	Power on both TX and RX
		TX and RX are out of effective range	Approach RX and TX to effected range
		TX and RX are not paired yet	Power on TX and RX, and press code key of TX for 1s
	TX and RX No video output	Obstacles exist in the antenna area	keep no obstacle in front of the TX/RX antenna at least 2m range
		Antenna angle is out of effective range	Make the TX antenna and RX antenna directly facing to each other.
		The source is not turned on	Turn on the source
	The displayer is not turned on	Turn on the displayer	
	The resolution is not supported	Change the resolution	

FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Cautions!

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user authority to operate the equipment.