

WIRELESS HD VIDEO

Transmission Solution

USER MANUAL

This user manual applies to:

Transmitter:CP6001

Receiver:LM22-DSA-1/2

Version: 1.1
2015.09

EU Environmental Protection

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



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:

- Repairs or product modification and alterations have been executed by unauthorized personnel.
- The damages are caused by accidents including but not limited to lightning, fire, exposed to rain or water, and moisture.
- 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.
- The model label on the product has been modified or the warranty tag has been removed by unauthorized personnel.

Safety Precaution

 Warning 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
 Warning Hot surface	The high temperature in the process of operating the device may cause the high risk of scalding.
 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.

- As connecting any equipment (such as any player or TV, etc.), please turn off the power to the product before any operation is undertaken.
- Power outlet: To prevent electric shock or fire, short circuit, please make sure the type of electrical 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.
- 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.
- Power overloading: Avoid overloading wall's electrical outlets and extension cord or other multi-socket; otherwise could result in electric shock or fire.
- Lightning: For protection from lightning or when the product is left unattended for a long period, please disconnect it from the power source.
- 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

- This product should not be exposed to dripping or splashing. Do not place any object filled with liquid on the product (eg. vases).
- 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.
- Please place the receiver/transmitter on a flat with hard and stable surface.
- 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.
- 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

- 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.
- 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 fitment and appliances, or next to the crowded situation.
- 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 producer a certain distance away from other machines.
- Optimal range between transmitter and receiver is between 1 meter to 30 meters within line of sight indoor.
- 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

CP6001 transmitter and CP500 series of receiver products low latency wireless HD video transmission systems are based on H.264 CODEC and COFDM digital modulation. The transmitter transmits HD video from HDMI input and the receiver receives the signal wirelessly and presents the video through HDMI output.

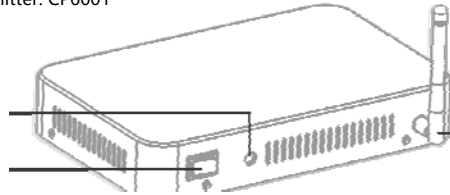
Features

- Support point to point and broadcasting to unlimited number of receivers in range.
- Hi speed H.264 CODEC robust COFDM modulation enabled low latency and big range.
- HDMI standard compliance.
- Manual channel selection.
- Working temperature range - 10 ~ + 50 ° C.

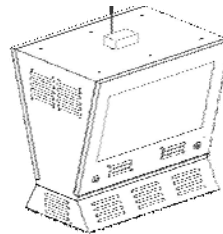
Packing List

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.

1. A set of Emitter: CP6001



2. A set of Display: LM22-DSA-1

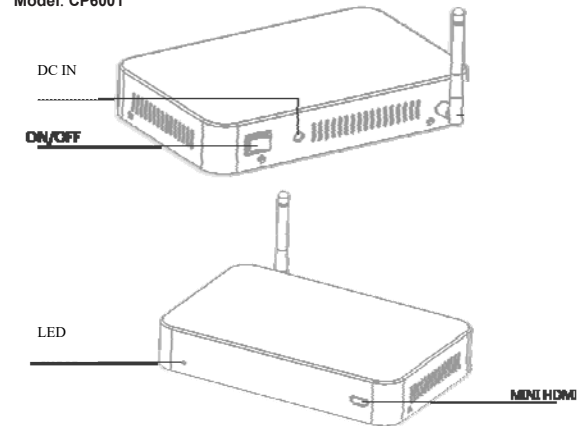


* Please take all the actual accessories as the standard.

Structure & Interface

CP6001

Wireless HD Transmitter
Model: CP6001



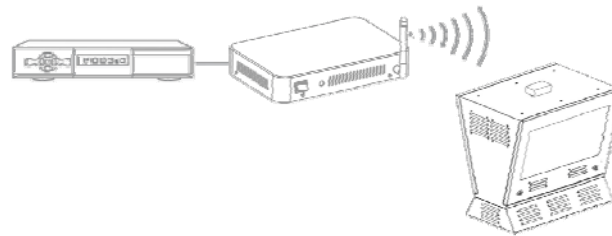
Wireless HD Transmitter Interface Instructions:

1. MINI USB Port: Software upgrading
2. MINI HDMI Interface: HDMI video input
3. CHANNEL SELECTION Button: Short press button, cyclic switching channels CH1->CH2->CH3->CH4->CH1...
4. Power input、data channel(4 pin connector): DC power input, 12V 1A
5. RF Output (RPSMA connector): Connect to the antenna
6. LED Indicators: Refer to "Indicator Light Instructions"

Product Installation

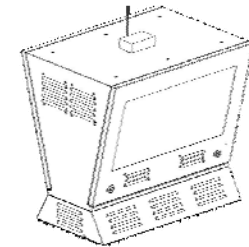
Wireless HD Video Transmitter Installation

CP6001



Wireless HD Video Receiver Installation

LM22-DSA



1. Connect the power.

- 1.Connect the power adapter to the DC interface.
2. Install the antenna tothe RFconnector, and place it in vertical direction.
3. Connect the transmitter and video source with a HDMI cable. Turn on the transmitter, the video signalis connected correctly, a green light will be on, that means the video is transmitted correctly.

TX : CP6001	Frequency	924MHz
	Antenna	RPSMA Male & MMCX Female
	Impedance	50Ω
	Modulation	COFDM
	Data Rate	1~10 Mbps
	HDMI Video Format	1080P/30Hz、1080P25、1080P24、1080P23.98、1080i/60Hz、720P/60、720P/59.94、720P/50Hz
	Interface	HDMI Input(Type A),Power Input, MINI USB Interfaces; RF output (RPSMA type male);
		DC 12V
		≤ 8W
	HDCP	Support
	Transmission Power	27dBm / 23dBm (Opitonal) Transmission power 27dBm, transmission distance can reach 300 m ; Transmission power 23dBm, transmission distance can reach 200 m.

2. Install the antenna to the RF interface, and place it in vertical direction.
3. Connect the receiver and monitor with a HDMI cable. Turn on the receiver, waitfor the system to start, video will automatically be received and displayed.

*Remarks : LM22-DSA-1 Display need to be used together with CP6001 Emitter

Specification

Wireless HD Video Transmitter Specification CP6001

Item	Data
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Wireless HD Video Receiver
Specification
LM22-DSA-1

Item	Data
	924MHz
	≤ -90dBm
	IEC type female
	50Ω

RX : CP5001

COFDM
1~10 Mbps
1080P/30Hz、1080i/60Hz、720P/50Hz
AC 100-120V/AC200-240V
≤ 160W

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

Trouble Shooting

Problem		
Picture	TV has no signal input	Receiver power is not turn on
		Not connected the television receiver
		Television is not switch to HDMI input
		The receiver and the television are not connect well with HDMI cable
		The television is in standby mode
	Black screen Without any display	The connection between signal source and transmitter is abnormal
		Transmitter is not working properly working is Abnormal
		Receiver is not working properly
		The receiver and the television are not connect well with HDMI cable
		Receiver is not working properly
Voice	Color abnormal	Receiver is malfunction
		The receiver and the television are not connect well with HDMI cable
		The transmitter and the player are not connect well with HDMI cable
		The transmitter or receiver's working is abnormal
		Transmitter or receiver's antenna is not erect placed
	The picture is not clear;	Receiver and transmitter's distance is too big
		There are many walls between receiver and transmitter
		There are too many obstacles between receiver and transmitter
	Has noise or mosaic	A player or a television set mute
		A player or a television set the volume too low
		The player's voice of the current output format is not supported
	TV has picture but no voice	

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:-Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help. To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example use only shielded interface cables when connecting to computer or peripheral devices).

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.

RF Exposure Statement

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

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.