

EC-WVG2

Wireless Audio/Video Streamer



User Manual

Introduction

Overview

The EC-WVG2 system combines the unique i-NIC card with high performance Video adapter, to play any Multi-media source by 2.4GHz, wireless 802.11n/b/g connection. No configuration is necessary and no new UI to learn. Attempt to provide a convenient experience for user. User could transmit media contents from PC, Notebook, Home media center, every system use VGA / Component / CVBS port with good flexibility. The most important is wireless plug and play, user could setting content source and display more easily.

Features

- Easily integrates into any HD / Projector application.
- Enables wireless transmission of VGA, CVBS, Component and S-video around home.
- Supports most video resolutions including 480i/p, 576i/p and 720p.
- Coexists with 802.11n/b/g 2.4GHz cordless phones.
- 15~20 meters range indoors, no line of sight is required.
- 4 Wi-Fi channels select for resist interfere.
- 4 source inputs & 2 source outputs.

Package Contents

The following items should be included:

- Video transmitter unit
- Video receiver unit
- Power adapter
- Cables

Application Image



Important Notice:

For better transmitting quality, we strongly recommend to put the wireless transceivers horizontally in open space, do not put them into cabinet or cupboard that will reduce the wireless transmitting signal.

Installation

Wireless Video Transmitter

Front Panel



Sources

Click the button to switch media sources or keep on pushing the button to switch input media sources continuously.

Channels

Click the button to switch Wi-Fi channels.

Notice: When the transmitter channel is switched the receiver channel will be switched simultaneously.

Rear Panel



Power

Switch the button to turn on or off the power supply.

Reset

This button is for reset to default setting.

Audio

Connect the audio cable for audio output.

VGA

Connect the VGA cable to the corresponding VGA port.

YPbPr

Connect the YPbPr cables to the corresponding YPbPr connection ports.

S-Video

Connect the S-Video cable to the S-Video port.

CVBS

Connect the CVBS cable to the CVBS port.

DC 12V

Connect the power adapter to the power DC port.

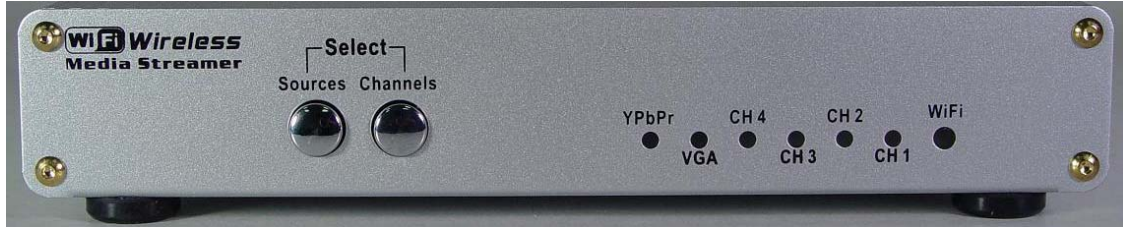
LED Indicators



LED	Color	Behavior	Indication
Wi-Fi	Green	On	Wireless function is active.
		Blinking	Data receiving.
	Red	Blinking	Data transmitting overflow.
CH 1~ CH 4	Blue	On	Wireless channel firm.
		Blinking	Switch channels.
VGA	Blue	On	VGA source is active.
		Blinking	Switching sources.
YPbPr	Blue	On	YPbPr source is active.
		Blinking	Switching sources.
S-Video	Blue	On	S-Video source is active.
		Blinking	Switching sources.
CVBS	Blue	On	CVBS source is active.
		Blinking	Switching sources.

Wireless Video Receiver

Front Panel



Sources

Click the button to switch media sources or keep on pushing the button to switch output media sources continuously.

Channels

Click the button to switch the channels .

Notice: When the receiver channel is switched the transmitter channel will be switched simultaneously.

Rear Panel



Power

Switch the button to turn on or off the power supply.

Reset

This button is for engineer use only.

Audio

Connect the audio cable for audio output.

VGA

Connect the VGA cable to the corresponding VGA port.

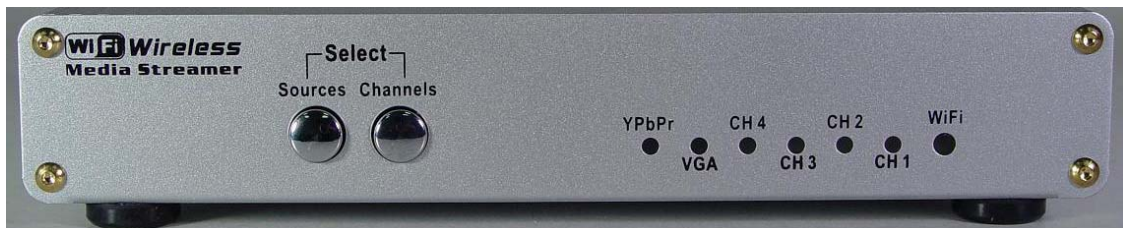
YPbPr

Connect the YPbPr cables to the corresponding YPbPr connection ports.

DC 12V

Connect the power adapter to the power DC port.

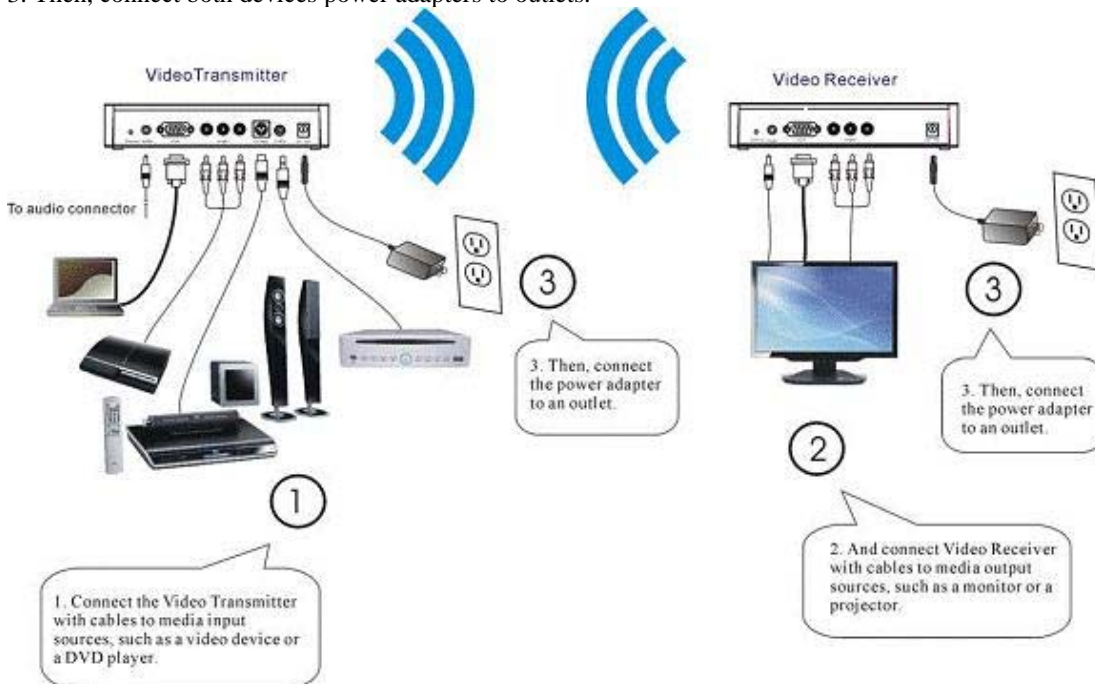
LED Indicators



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CH 1~CH 4	Blue	On	Wireless channel firm.
		Blinking	Switch channels.
VGA	Blue	On	VGA source is active.
		Blinking	Switching sources.
YPbPr	Blue	On	YPbPr source is active
		Blinking	Switching sources.

Set Up Steps

1. Connect the Wireless Video Transmitter with cables to media input sources, such as a video device or a DVD player.
2. And connect Wireless Video Receiver with cables to media output sources, such as a monitor or a projector.
3. Then, connect both devices power adapters to outlets.



4. Turn on both wireless video devices power.
5. After finished above set up steps, the wireless video transceivers will be ready to transmit media.

Notice:

Do not forget to turn on the power supplies of your monitor, projector or video device and switch them into corresponding settings. Such as, set your monitor sources into YPbPr setting for media receiving.

Specifications

Wireless Features

Standard

IEEE 802.11n/b/g Standard

Antenna Type

External Dipole antenna 2dBi

Number of Selectable Channels

1. CH 1: Channel 3
2. CH 2: Channel 6
3. CH 3: Channel 9
4. CH 4: Channel 12

Output Power

14 ~17 dBm @ normal temp

Receiver Sensitivity

-75~ -86 dBm @ normal temp

Environment Specifications (Total System)

Operating Temperature: 0~40 ambient temperature

Operating humidity: 90% maximum (non-condensing)

Video Transmitter Features

Video Inputs

1. CVBS
2. S-Video
3. Y/Pb/Pr
4. VGA

Inputs Format

1. CVBS: NTSC / PAL / SECAM
2. S-Video: NTSC / PAL / SECAM
3. Y/Pb/Pr: 480i/p, 576i/p, 720p (50/60Hz), 1080i/p (50/60Hz).
4. VGA: 640X480, 800X600, 1024X768, 1280X768, 1280X1024.

Audio Input

Stereo with Earphone Jack (3.5mm)

PCM Encode

48KHz 16-bit sampling

Physical Specifications

Weight: 610 g

Dimension: 200 (L) x 114(W) x 35(H) mm

Adapter Power

DC 12V*1A

LED Indicator

WLAN status / 4 Wi-Fi Channels / 4 Video Sources Input

Environment Specifications (Total System)

Operating Temperature: 0~40 ambient temperature

Operating humidity: 90% maximum (non-condensing)

Video Receiver Features

Video Outputs

1. Y/Pb/Pr

2. VGA

Output Format &

Frequency

1. Y/Pb/Pr: 480p (60Hz), 576p (50Hz), 720p (60Hz)

2. VGA: 640x480 , 800X600 , 1024X768 ,1280X768 ,1280X1024

Notice: Frame rates also depended on the WiFi bandwidth

Audio Input

Stereo with Earphone Jack (3.5mm)

PCM Encode

48KHz 16-bit sampling

Physical Specifications

Weight: 610 g

Dimension: 200 (L) x 114(W) x 35(H) mm

Adapter Power

DC 12V*1.5A

LED Indicator

WLAN status / 4 Wi-Fi Channels / 2 Video Sources Output

Environment Specifications (Total System)

Operating Temperature: 0~40 ambient temperature

Operating humidity: 90% maximum (non-condensing)