Wireless IR Repeater System User Guide

FEATURES:
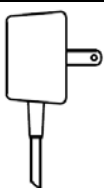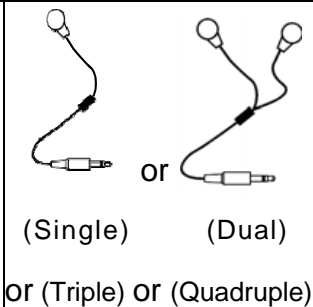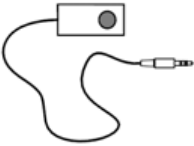
1. Connect wired IR Repeater devices wirelessly.

2. Easy to control all home entertainment in this system over 200 meters (open space).

3. No extra wire need.

SPECIFICATIONS

IR:

1. Compatible with all Universal full band carrier frequency infrared Remote

2. Better IR receive sensitivity(distance),over 7 meter

RF:

1. Long range transmission over 200 meter (open space)

2. 915MHz RF technology to ignore current 433MHz RF-interference

3. FSK modulation:

   ● Better signal sensitivity than ASK modulation

   ● Better Anti RF-interference than ASK modulation

   ● Better noise suppression

4. Digital technology with frequency hopping technology to minimizes RF-interference

5. Digital encrypted function ensures safety and reliability

6. **Power:** 5VDC/500mA

The kit may include some or all of the following.

Switching power supply	IR Emitter cable	IR Receiver cable	IR Receiver	IR Emitter	User manual
	or (Single) (Dual) or (Triple) or (Quadruple)				

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IR Emitter

Embedder IR Emitter
IR confirm LED
Connect to the IR Emitter cable
(When need it)

IR Emitter cable

IR Receiver

Embedder IR Receiver
IR confirm LED
Connect to the IR Receiver cable
(When need it)
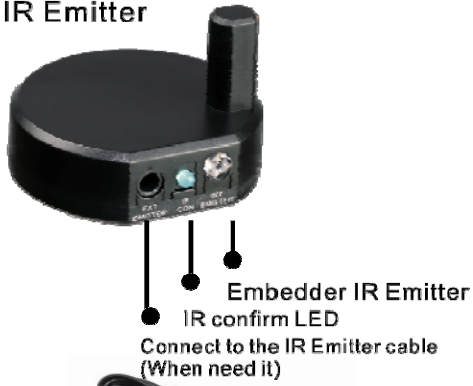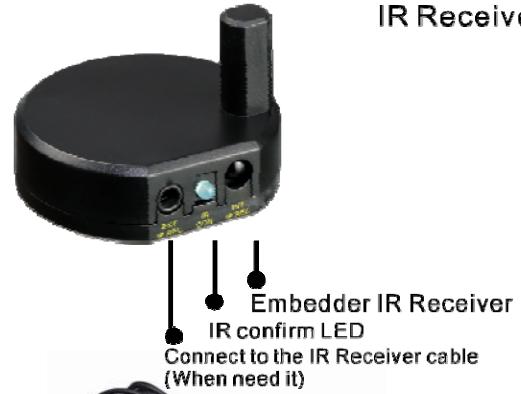
IR Receiver cable

Setup Diagram 1

HDTV

IR Receiver

Blue-ray / DVD source
IR Emitter

Wireless IR Emitter

Wireless IR Receiver

Setup Diagram 2

Blue-ray / DVD source

Wireless IR Emitter

Blue-ray / DVD source 2

Wireless IR Emitter

HDTV

Wireless IR Receiver

Satellite Receiver

Wireless IR Emitter

Satellite Receiver 2
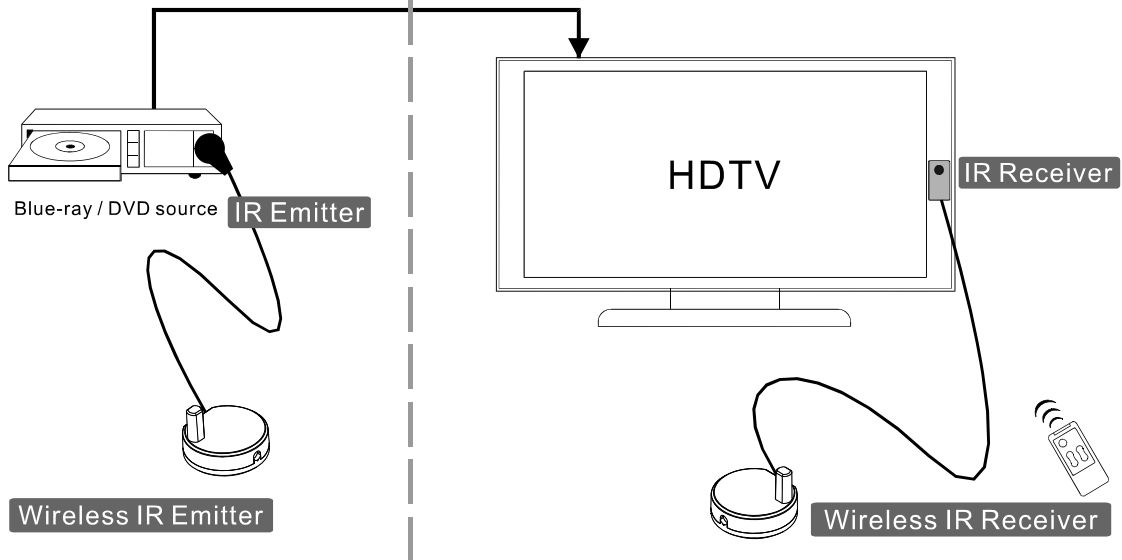
Wireless IR Emitter
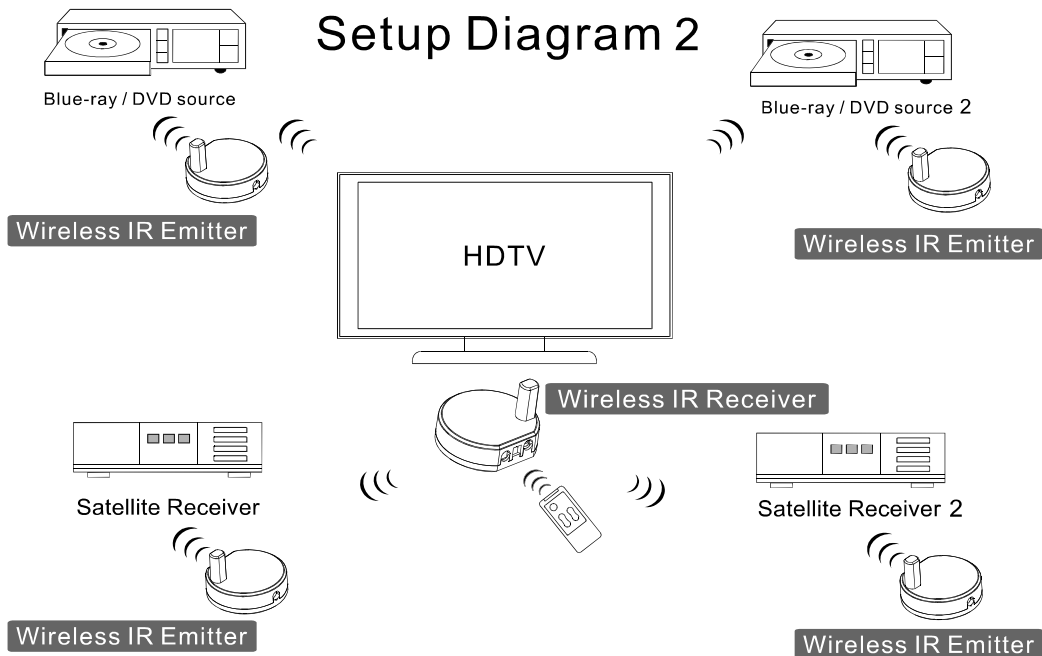
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Installation steps

<u>Step1:</u> Place the IR receiver(s) and IR Receiver cable in your desired location (ex: TV, Screen).

<u>Step2:</u> Place the IR emitter(s) and IR emitter cable on the device(s) you want to control. (ex: STB, DVD player, and Satellite Receiver).

The emitter should be placed directly on the IR sensor of the device you are trying to control.

<u>Step3.</u> Plug the IR receiver in the IR receiver jack on the wireless receiver and plug the IR emitters into the emitter jacks of the connecting block.

<u>Step4:</u> Connect the power supply to each end.

Trouble Shooting

Case	Phenomena Description	Trouble shoot
1	The "IR CON", Confirm LED doesn't blink when I press the remote controller..	Make sure the power supplies are firmly plugged in with the "IR Receiver" and "IR Emitter". Try to use the remote controller near the "IR Receiver" to ensure IR signal from remote controller can be received. Place the "IR Emitter" to the place where target devices you want to control. (ex: DVD/VCD/ STB/NVR…) The embedded IR receiver should not be blocked by any object. If there is a need, you can use the external "IR receiver Cable" and plug the cable in the "EXT IR REC" on "IR Receiver". Then, make sure the IR receiver is not blocked. Make sure the "IR emitter cable" is connect to "EXT IR EMITTER" on "IR Emitter". The other end of the external "IR Emitter" should be placed on top of the IR Receiver window of the device (DVD, etc.). After the environment has been set-up, press the button on the remote control. The IR CON should blink accordingly.

2	The IR CON, confirm LED, blinks upon receiving signal from remote control. But this target device does not react as expected.	Please make sure the "embedded IR Emitter" aim directly to the IR receiver window LED on the target device which you want to control (ex: DVD/VCD/STB/NVR…); If external "IR Emitter" cable is in use. It should be connected to the "EXT EMITTER". And the other end aim directly or be placed on top of the IR receiver window on the device which you want to control (ex: DVD/VCD/ STB/NVR…). We have to make sure the signal is not blocked. Please make sure the "IR receiver cable" is correctly connected to "EXT IR REC" of the "IR Receiver" When the environment has been set-up, Press the button of your remote control. The IR signal should be relayed to control the target device.
3	The distance between remote control and IR Receiver is short (perhaps less than 5 Meters)	Please make sure the battery in the remote control is sufficient. Because the working distance between IR Receiver and remote control is determined by the IR signal power of your remote controller. Try to replace the old battery with the new battery in your remote controller.
4	Target device does not work with your IR Kit	Usually, this kit should work perfectly across various brand of remote controller. In rare case, if you encounter this problem, please report the model number for your device to us. Customer service will take care of you.
5	I have connected the way as the user manual said, but still cannot get this kit to work.	Please check the material of your cabinet. If your cabinet is made by metal, Radio Frequency may not pass through. We recommend to relocate our device outside of the cabinet, and make sure Radio Frequency can function as the product is designed.
6	In manual, it said it can work "within or over 200 meters open space", but why it may just work 50 Meters for me.	"Open space" means there's nothing between "IR Receiver" and "IR Emitter". So, for the RF distance between "IR Receiving unit" and "IR Emitter unit" could be reduced by wall, cabinet, furniture, etc.