

HDMI Wireless Kit

Before using his product, Please reads this documents carefully. It may cause series issue。

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Product description

Freedom from unsightly audio-visual components and wires is finally at hand! With the Wireless HDMI Kit, you can enjoy your beautiful HDTV, HD projector without having to stare at the mess of wires and boxes that make up your home theater system. Just connect your AV components, such as your STB, PS3, BD DVD player , HD camera, HD Photographic or stereo receiver, to this Kit, and enjoy your multi-media content delivered wirelessly with perfect resolution and clarity to any HDTV in your house. This means that you can finally place your TVs exactly where you want, without having to worry about available cable jacks, outlets, or space for your components.

Features

- No Latency for playing high definition video game console;
- Omni directional Antenna System for Maximum 100 feet (30meter) LOS HD Video Transmission Distance ;
- Fully Support the HDMI connector, Up to 1080P 60HZ Picture Quality ;
- Support up to HDMI High Speed with Ethernet 、 HDCP 1.2;
- Support EDID;
- Support CEC (Demand Transmission and Receiver Device support);
- Support IR Blasting;
- Transmission power $\geq 12\text{dBm}$;
- Auto set-up, plug & play. One to One connection;
- Support AES-256 bit Encryption for securing Video Transmission over wireless;
- Support maximum 100kbs Return channel;
- Support OSD;
- Support WHDI 1.0;

General Specifications

Supported Video Resolution	1080p, 1080i, 720p, 576p, 480p,
Supported Audio Formats	PCM, DTS, DOLBY DIGITAL
Communication system	MIMO
Modulation	OFDM
Transmission Max. Power	12 dBm
Transmission Range	$\leq 30\text{M}$
Less than 1ms	Less than 1ms
Antenna	Omni directional High performance small form factor Internal Antennas
Operating Frequencies	5.18~5.24, 5.745~5.825 GHz
Supported IR Blasting Frequency	38KHz
Power Supply	100~240V AC, 5V 2A DC
Storage Temperature	-20~80°C
Operating Temperature	-10~50°C

*Operation on the NON-DFS (Dynamic frequency selection) Frequency with automatic Frequency selection, the system will automatically change frequency in case of interference with another RF system.

Package contents



HD Transmission x 1



HD Receiver x 1



Seat x 2



IR Extension cable x 1



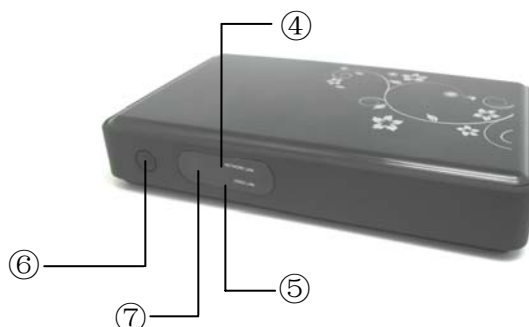
HDMI Cable x 2



Power Adapter x 2

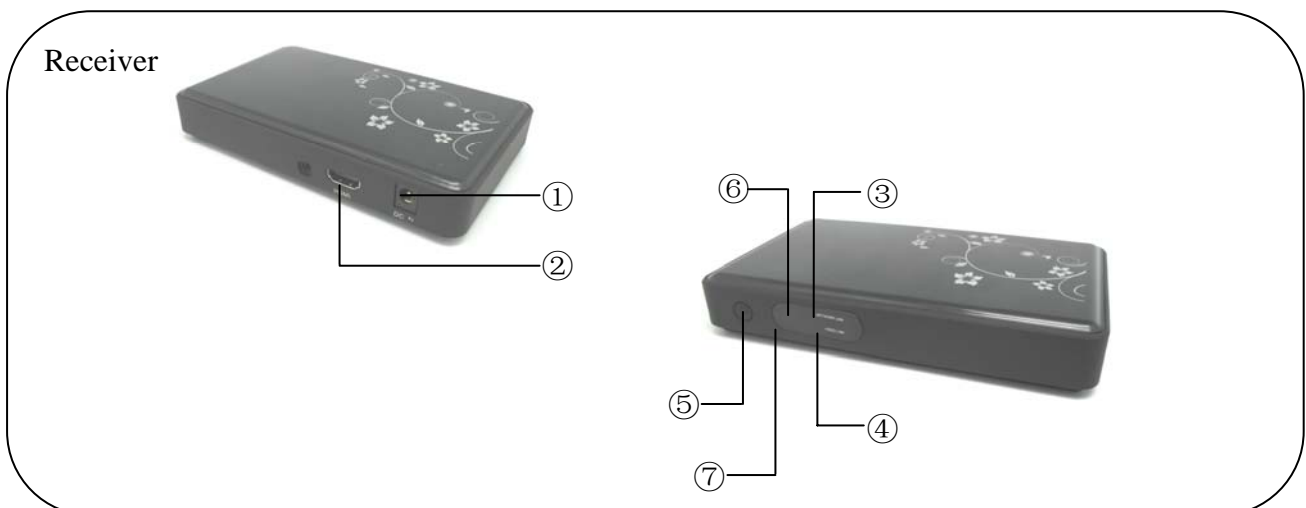
Hardware Overviews

Transmitter



Connection

- ① Receptor for the power Adapter
5V/2A。 Using power supply with different Voltage rating than the one included with the WTD-700 will cause damage and void warranty for this products.
- ② HDMI Input Connector
Connect the cable with HDMI High Speed Cable with Certificate Catalog 2 to make sure the connection in good condition。
- ③ IR signal output interface
Connect the IR extension cable and aim the IR head to the device which need to be control. It will receive the IR signal from the transmitter side and send to the receiver side.
- ④ Network Link LED status
After the power connected, the LEDS will show the communication status. When green on, it show the connect success. When green off, it shows the connection not complete. When green sparkling, it show the device defect.。
- ⑤ Video Link LED status
When the HDMI cable connected, the LED shows the video connected status. When green on, it show the video connect success. When green off, it show the video connect fail.。
- ⑥ Frequency Reset button
There are two functions.:
 1. Enlarge the transmission length: When the distance of the transmitter and receiver are too long, you can press this button on both the transmitter and receiver at the same time. It will raise transmission length, but the video quality maybe be reduced.
 2. Reset the frequency of transmitter and receiver: simultaneous press the transmitter and the receiver 3 sec. the Kit will reset and auto tune the communication frequency.
- ⑦ Power LED.



- ① Receptor for the power Adapter
5V/2A。 Using power supply with different Voltage rating than the one included with the WTD-700 will cause damage and void warranty for this products。
- ② HDMI Output connector
Connect the cable with HDMI High Speed Cable with Certificate Catalog 2 to make sure the

connection in good condition.

③ Network Link LED status

After the power connected, the LEDS will show the communication status. When green on, it show the connect success. When green off, it show the connection not complete. When green sparkling, it show the device defect..

④ Video Link LED status

When the HDMI cable connected, the LED shows the video connected status. When green on, it show the video connect success. When green off, it show the video connect fail.

⑤ Frequency Reset button

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⑥ IR control receiving window

Function and the remote control receiving window , aimed at receiving window can remote video signal source.

⑦ Power LED

Before you begin:

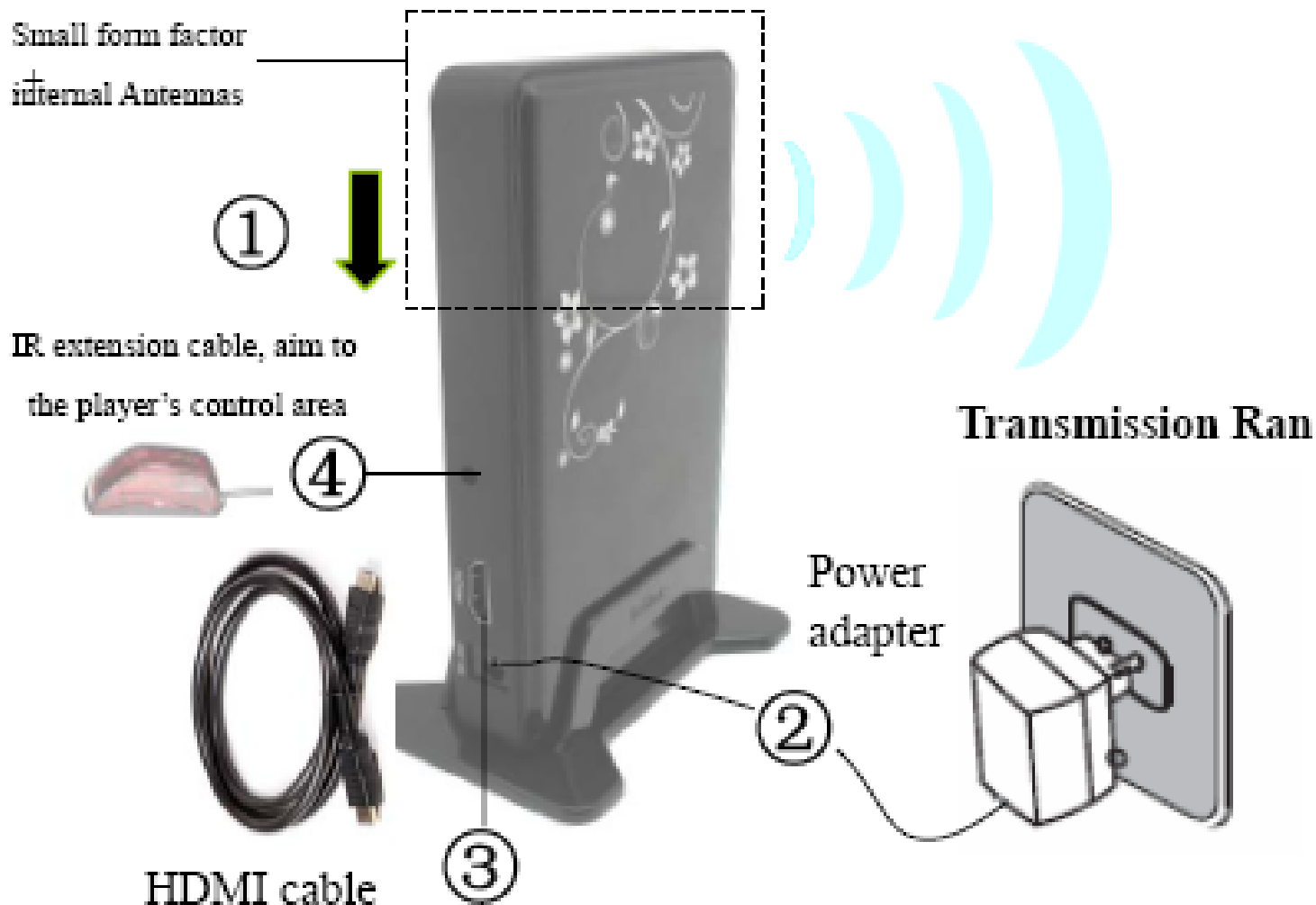
Wireless considerations

The HDMI wireless kit let you access your video signal using wireless connection from virtually anywhere within the operation range. Keep in mind, however, that the number, thickness and location of the wall and ceilings, or other objects that the wireless signal must pass through, may limit the range. Typically range depending on the type of material and background RF noise in your home and business. The key to maximizing the wireless range is to follow the basic guild line.

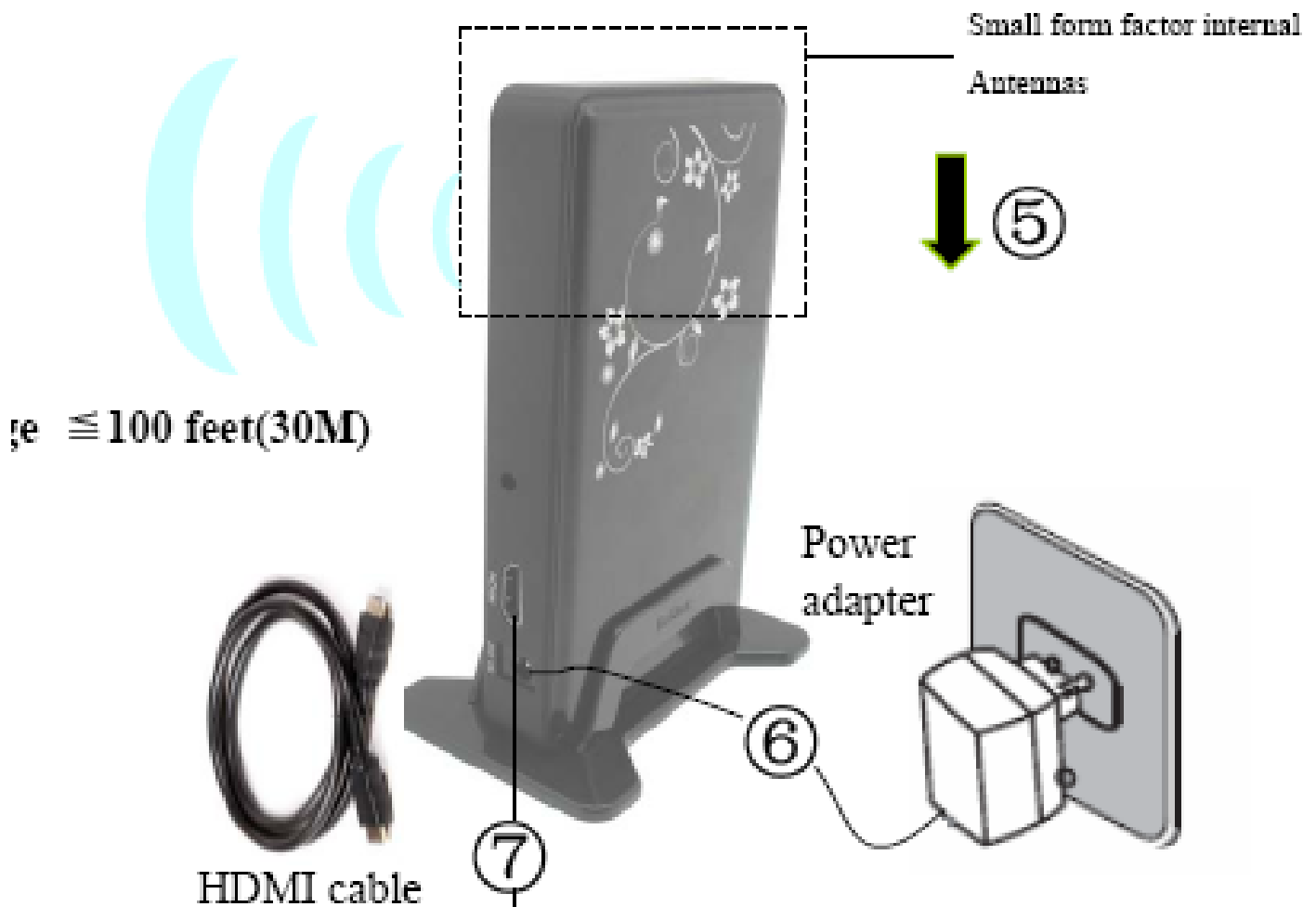
1. Keep the number of walls and ceilings between the Transmitter and Receiver to the minimum. Each wall and ceiling can reduce your transmission range from 3-90 feet (1-30M). Position your device so the number of the walls and ceilings to minimized.
2. Be aware the direct line of the Transmitter and Receiver. A wall that is 1.5 feet (.5 M) thick, at a 45 degree angle appears to be almost 3 feet(1m)thickness. At a 2 degree angle it looks like over 42 feet (14M) thick! Position device so that the signal will travel straight through a wall or ceiling (instead of angle) for better reception.
3. Building material make difference. A solid material door or a aluminum studs may have a negative effect on range. Try to position the transmission line to drywall of open doorways. Material such as glass, steel, metal, wall with insulation, water(fish tank), mirrors, files cabinets and brick concrete wall will degree your signal.
4. If you are using 5.4GHz cordless phones or X-10(wireless products such as ceiling fan, lights, and home security system), your wireless connection may degrade dramatically or drop complete. Make sure your 5.4GH phone base is as far away from your wireless devices as possible. The base transmits a signal even if the phone is not in use.

Quick Installation Guide

* When installation, It will suggest the transmitter and receiver be setup both in vertical or horizontal the transmission length and display resolution. Mounting on a wall are recommend. Please follow



outal. If set in other configuration (The one in vertical, and other horizontal), there will reduce
v the below sequence to install the HDMI wireless Kit



Please follow the following process to connect the device:

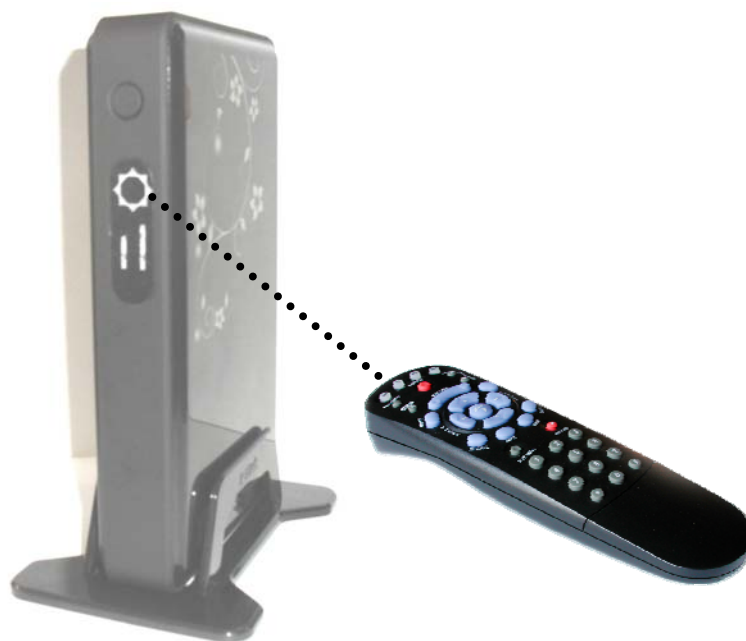
1. Please install the Receiver with the seat, and put it properly beside the TV or HD displayer.

Noted:

- When install, put the Antenna position in the upper position.
 - Keep the Receiver area clear and too may objects will reduce the receiver quality, It will reduce the receiver distance and resolution.
 - The Max. distance of the Transmitter and Receiver is 100 feet (30M), If pass through the wall will reduce the distance.
2. After power apply, make sure the Power LED in the Receiver is on. It is mean the device is well connected.
 3. Connect the HDMI cable to the HD displayer input .Make sure the display device is on and input device is properly selected the correct port. Then connect the cable to the Receiver HDMI input.
 - 4 · Please install the Transmitter with the seat, and put it properly beside the player

Noted:

- When installed, put the Antenna position in the upper position.
 - Keep the Transmitter area clear and too may objects will reduce the transmission quality, It will reduce the transmission distance and resolution.
- 5 · Connect the IR extension cable into the transmitter IR hole. Aim the IR LED to the player receiver area which the player can receive the signal.
 - 6 · After power apply make sure the Power LED is on in the Transmitter. After 5~30 second the Network Link LED in the transmitter and receiver is on too. It is mean the connection between the transmitter and receiver is success.
 7. Using the HDMI cable to connect the player HDMI output and the transmitter HDMI input. After few second the Video Link LED shall on in the transmitter and Receiver. It is mean the installation is completed.



Note: Our product can operate at 38K modulation remote control.

LED Lighting Status:

LED	Status	Working status
Network Link (Transmitter)	Green On Green Off Green Spark	→ Connect success → Connect fail → Device defect
Video Link (Transmitter)	Green On Green Off	→ Video connect success → Video connect fail
Network Link (Receiver)	Green On Green Off Green Spark	→ Connect success → Connect fail → Device defect
Video Link (Receiver)	Green On Green Off	→ Video connect success → Video connect fail

Technical Data

	Model name	WTD-700
T R A N S M I T T E R	Operating Frequencies	5.18~5.24,5.745~5.825 GHz
	Frequency stability	±4PPM
	Band with (Max.)	40MHz
	Transmission Max. Power	≥ 12dBm
	Receiver sensitive	≤ -75dBm
	System Latency	≤ 1ms
	transmission/ receiver channel	4channel/ 1channel
	HD Video interface	HDMI High Speed with Ethernet
	HD Video Encryption	HDCP 1.2
	LOS(line of sight)	≤ 30M (100Feet)
	Input Voltage	5 VDC
	Operation current	2A±10%
	Dimension (L x W x H)	
	Weigh	
R E C E I V E R	Operating Frequencies	5.18~5.24,5.745~5.825 GHz
	Communication system	MIMO
	Modulation mode	OFDM
	Frequency stability	±4PPM
	Band with (Max.)	40MHz
	Transmission Max. Power	≥ 15 dBm
	Receiver sensitive	≤ -65dBm
	System Latency	≤ 1ms
	transmission/receiver channel	1 channel/5 channel
	HD Video interface	HDMI High Speed with Ethernet
	HD Video Encryption	HDCP 1.2
	LOS(line of sight)	≤ 30M
	Input Voltage	5 VDC
	Operation current	2A±10%
	Dimension (L x W x H)	
	Weigh	
	Operating Temperature	-10℃ ~ 50℃
	Storage Temperature	-20℃ ~ 80℃
	Operation Humility	15~85%RH

* All the miner change in the technical specification will not be noted.

Q&A

*** Failure 1:** After power on the transmitter and receiver, Why the TV without image?

Answer: The Transmitter and receiver need few seconds for the initialize for the system connection , It will take about 15-30sec Please be patience. If more than 1 min., there is no image on the TV. Please check the transmitter and player、Receiver and TV is properly connected, and check the LED status table to find out the problem.

*** Failure 2:** After power on the transmitter and receiver for more than 1 min., Why the Network Link LED is still off?

Answer: It is possible the long distance or there are objects between transmitter and receiver.. Please change the location.

*** Failure 4:** The distance between the transmitter and receiver are close, Why 1 min later the Network Link LED is still off?

Answer: Please check the frequency between the transmitter and receiver is set. Please follow the frequency setting process to tune the frequency.

*** Failure 5:** The Network Link LED is on in the transmitter and receiver, but the Video Link LED is off and the TV without image.

Answer: Please make sure the transmitter resolution is in the technical specification. If not please revise the resolution to the proper setting.

*** Failure 6:** Why the TV show the no signal input?

Answer: Please check the TV displayer connection, Make sure the TV input is in the correct HDMI port.

*** Failure 7:** TV with the image, but no sound.

Answer: Please check the player and TV not in the “mute” status.. Please reference the audio connection in the document and reset the TV.

*** Failure 8:** TV with sound , but no image.

Answer: Please check the transmitter and receiver. if the connection is OK. please unplug and power on again..

*** Failure 9:** When plug in the Blue ray disk , some TV can' t properly play the image. Some TV is OK?

Answer: The Blue ray player need to meet the HDCP , Please make sure your display support the HDCP. If your TV does not support the HDCP, There is no way to play the blue ray disk.

*** Failure 10:** The Transmitter and receiver Network Link LED is sparkling and TV no image?

Answer: Please unplug the power of the Transmitter and receiver and plug again., If the LED still

sparkling, the device is defect, Please connect the seller for repair.。

*** Failure 11: Why the TV has not smooth image?**

Answer: Maybe the signal does not properly be received. It will suggest to relocate the receiver or vertical setup the Transmitter and Receiver.。

*** Failure 12: Why the remote control cannot properly operate?**

Answer: Please check the IR extension cable are properly plug into the IR hole, make sure the IR LED is aim to the player control receive area. Make sure the remote control is the 38KHz IR control.。

This device 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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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.

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body

Warning statement:

The product is restricted to indoor operations!