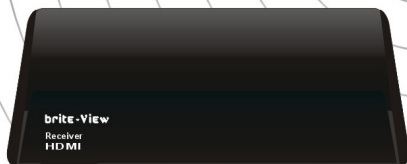


The HDeLight

1080p PC to TV Wireless Transmission Kit

BV-1222



BV-1222R (Receiver)

PC to TV Wireless Receiver



BV-1222T (Transmitter)

PC to TV Wireless Transmitter

Please read the user manual and the quick installation guide so you can enjoy the product to the full extend.

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1. Important Information

Please take the time to read this user manual before using the BV-1222T and BV-1222R. It contains important information about operating your PC to TV wireless kit.

Our company's limited warranty applies when the product is handled properly for intended use, in accordance with its operating instruction. However, the warranty may be void in the following cases:

- Repair, product modification or alteration have been performed by unauthorized service personnel
- Damages caused by accidents, including but not limited to, lightning, water, fire, or moisture
- Use of an AC adapter not compatible with the product and its voltage rating
- The model number on the product has been altered, deleted, removed or made illegible.

Safety Precautions

	WARNING!	
	RISK OF ELECTRICAL SHOCK DO NOT OPEN	
WARMING: TO REDUCE THE RISK OF ELECTRICAL SHOCK DO NOT REMOVE THE COVER NO USER-SERVICEABLE PARTS ARE INSIDE REFER SERVICING TO QUALIFIED PERSONNEL		



Danger: Be careful with electricity.

- Power to the units must be switched off before any work is undertaken, such as any AV device connection or TV connection.
- **Power outlet:** To prevent electric shock,

make sure to use the appropriate AC adapters as power supply to the transmitter and the receiver.

- **Power cord:** Be sure the power cord is routed so that it will not be stepped on or pinched by heavy items.
- **Power overloading:** Avoid overloading electrical outlets or extension cords which otherwise could result in electric shock or fire.
- **Lightning:** Disconnect the product from the power source if it is left unattended for a long period of time, and to protect the product from lightning.
- Always disconnect the power cord from the power outlet when you are not using your Full HD Video wireless kit. This reduces the risk of electric shocks or fire.



Warning

- This product should not be exposed to dripping or splashing. No object filled with liquids, such as vases, should be placed on the product.
- **Object Entry:** To avoid electric shock, never stick anything in the slots on the case or remove the cover.
- Place receiver/transmitter on a flat, hard and stable surface
- **Ventilation:** Do not block the ventilation slots on the receiver/transmitter or place any heavy object on the top cover. Blocking the air flow could damage the receiver. Arrange components so that air can flow freely around the receiver. Ensure that there is adequate ventilation if the receiver is placed in a stand. Put the receiver/transmitter in a properly ventilated area, away from direct sunlight or any source of heat.
- **Water Exposure:** To reduce the risk of fire or electric shock, do not expose the receiver/transmitter to rain or moisture.
- **This is indoor solution.**
- **Our company has the right to modify this document without any notice.**

DECLARATION OF CONFORMITY

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.

EMI (Electro Magnetic Interference) tested.

EN 55022 Information technology equipment----

Radio disturbance characteristics--- Limits and methods of measurement

EN 61000-3-2 Electromagnetic compatibility (EMC)---

Part 3-2:Limits---Limits for harmonic current emissions(equipment input current up to and including 16 A per phase)

EN 61000-3-3 Electromagnetic compatibility (EMC)---

Part 3:Limits---Section 3: Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection

EN 55024 Information technology equipment----

Equipment---Immunity characteristics---Limits and methods of measurement

EN 301 489-1

Electromagnetic compatibility and Radio spectrum Matters (ERM); Electro Magnetic Compatibility (EMC) standard for radio equipment and services;

Part 1: Common technical requirements

EN 301 489-17

Electromagnetic compatibility and Radio spectrum Matters (ERM); Electro magnetic Compatibility (EMC) standard for radio equipment;

Part 17: Specific conditions for 2,4 GHz wideband transmission systems, 5GHz high performance WLAN equipment and 5,8 GHz Broadband Transmitting Systems

EN 60065 Audio , video and similar electronic apparatus—Safety requirements

TRADEMARK INFORMATION

- HDMI, the HDMI Logo and High-Definition Multimedia Interface are trademarks of HDMI Licensing LLC.

Special Notice

- Never use this product nearby an aircraft or medical facility. It can cause interference or undesirable effect on the operation result.
- Use of this product in the following locations may result in abnormal video and audio output (noise, blocked image... etc,).
 - Product installed in the walls made of concrete.
 - Product situated near the refrigerator or metal fitment.
 - A cluttered room where the wireless signals may be blocked
- This product has been tested and manufactured to comply with each country's safety rules. However, there is no guarantee that interference will not occur in some installation scenario. If the interference happens, increase the distance between the transmitter and receiver.
- BV-1222 may interfere 5GHz wireless devices, such as routers or other wireless devices. Therefore, if you have an 802.11n router, configure it to the 2.4 GHz band rather than the 5GHz band.
- Optimal range between BV-1222 transmitter and receiver is between 2 and 10 meters within line of sight.



CAUTION: Using the RF module in the US

- Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.
- This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.
- Outdoor operations in the 5150 ~ 5250MHz, 5600~5650MHz band are prohibited.
- This device has no Ad-hoc capability for 5250~5350MHz and 5470~5725MHz.
- Outdoor operations in the 5470~5725MHz band are prohibited. This device could not be used in the 5600~5650MHz.
- The Device not operation in 5600~5650MHz.
- Industry Canada regulatory information Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.
- The user is cautioned that this device should be used only as specified within this manual to meet RF exposure requirements. Use of this device in a manner inconsistent with this manual could lead to excessive RF exposure conditions.
- The following regulatory and Safety notices must be published in documentation supplied to the end user of the product or system incorporating an adapter in compliance with local regulations, Host system must be labeled with "Contains FCC ID: XXX-XXXX", FCC ID displayed on label.

System Warning

FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE 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.



CAUTION: Using the System in the US

- Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.
- This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provide with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.
- Outdoor operations in the 5150~5250MHz, 5600~5650MHz band are prohibited.
- This device has no Ad-hoc capability for 5250~5350MHz and 5470~5725MHz.
- Outdoor operations in the 5470~5725MHz band are prohibited. This device could not be used in the 5600~5650MHz.
- The device not operation in 5600~5650MHz.



CAUTION: Using this System in Canada

- Industry Canada regulatory information
Operation is subject to the following two conditions:
 1. This device may not cause interference,
 2. This device must accept any interference, including interference that may cause undesired operation of the device.
- The user is cautioned that this device should be used only as specified within this manual to meet RF exposure requirements. Use of this device in a manner inconsistent with this manual could lead to excessive RF exposure conditions.

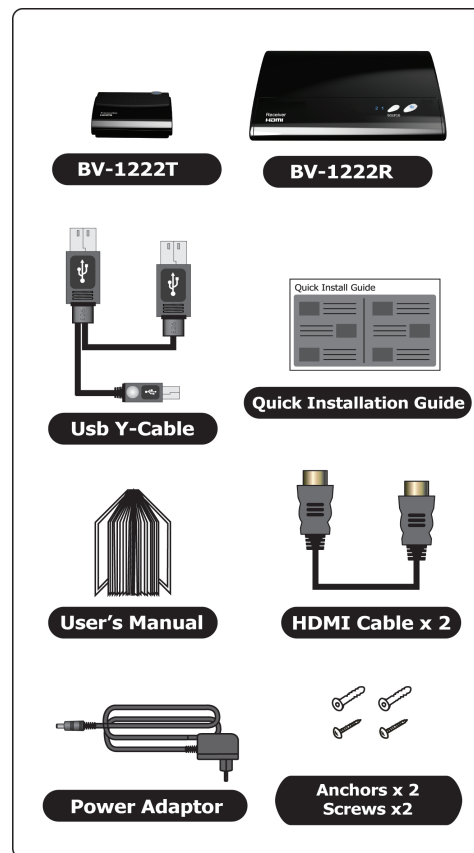
2. Introduction

BV-1222T (TX) and BV-1222R (RX) wireless HD audio/video transmission solution allows users to see on the HDTV a great variety of uncompressed 1080p content or web entertainment that's available on their computer, free of the constraint of cables. Just connect the HDTV to the BV-1222R (receiver) with an HDMI cable, and connect the HDMI-ready computer to the BV-1222T (transmitter).

This solution delivers uncompressed 1080p full HD video and audio content to your existing HDTV set wirelessly. It operates the transmission in 4.9 GHz~ 5.9 GHz frequencies. With built-in Omni-directional antennas, it can transmit uncompressed video content to 10 meters (30 feet) LOS (line-of-sight) with no latency.

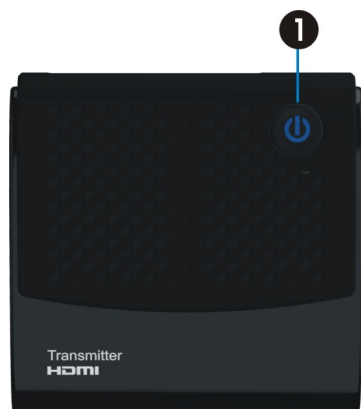
2.1 Packing Content

Please check whether the following items are present in the package. If any item is missing or damaged, please contact the reseller where this product was purchased.



2.2 Overview

BV-1222T (TX): PC to TV Transmitter



■ Front Panel Buttons and LEDs

❶ Power Button with LED Indicator

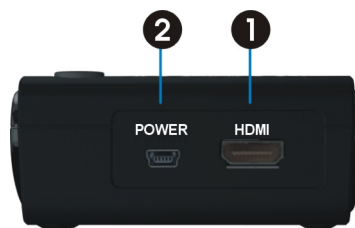
Press to turn the transmitter on and off. The indicator in the power button is lit in solid blue when the power is on, and it turns red in standby mode.

Note:

Make sure you have connected the BV-1222R correctly to your HDTV set with an HDMI cable, and have selected the correct HDMI input on your TV.

If you have more than one pair of the HDelight, each transmitter and receiver should be at least 6.5 feet away from one another.

If both the transmitter and the receiver exist in the same room, the suggested the distance between the two is 6.5 feet minimum.



■ Main Unit Back Panel

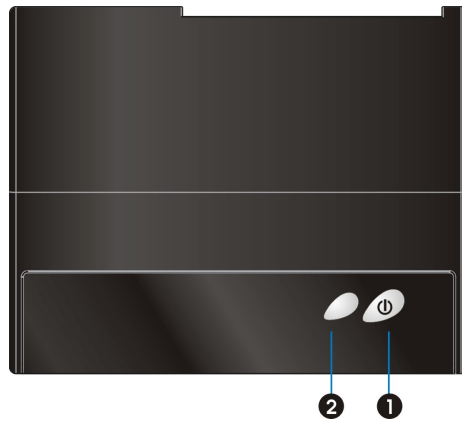
❶ HDMI IN

Connect Transmitter to PC or Notebook that have an HDMI port using a provided HDMI cable.

❷ USB Power

Connect the transmitter to the desktop or laptop's USB port of with the provided USB Y-cable. The transmitter will then be USB-powered. In most cases, only one USB port is needed, but in other cases 2 USB ports of the computer may be taken up for sufficient power supply.

BV-1222R (RX): PC to TV Receiver



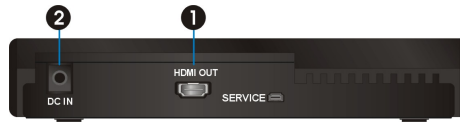
■ Front Panel Buttons and LEDs

❶ Power Button with LED indicator

Press to turn the receiver on and off. The indicator in the power button lights up in blue when the power is on, and turns red in standby mode.

❷ INFO./CHANNEL Selection Button

Press this button once for OSD displayed the information on the HDTV screen. Keep pressing this button for over 3 seconds in order to manually switch channels, in case of video noise.



■ Main Unit Back Panel

❶ HDMI OUT

Connect the HDTV set via an HDMI cable.

❷ DC IN

Connect the receiver's power adapter.

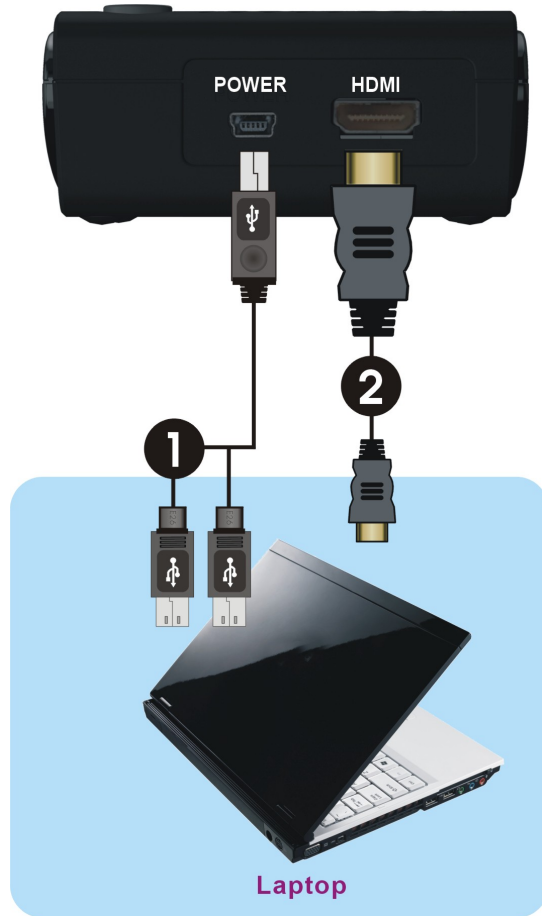
3. Installation

Step 1: Setup the BV-1222T transmitter

Connect an HDMI-ready computer to the BV-1222T:

- (1) Connect the BV-1222T's (transmitter) "HDMI IN" to the HDMI-ready computer's "HDMI OUT" with an HDMI cable (included).

- (2) Connect dual USB ports of HDMI-ready computer with mini USB port (POWER labeled on back panel) of BV-1222 transmitter through the USB Y-cable for power supply. One mini USB connector is located on one end of USB Y-cable and another two USB type A connectors are located on another end of USB Y-cable. The LED indicator in the POWER button should light up in blue when the BV-1222T is connected to the computer through USB.



Step 2: Setup the BV-1222R receiver

HDTV set Connection with BV-1222R:



- (1) Connect the HDMI cable to the HDMI OUT jack of the BV-1222R and to your HDTV set (or an HD projector).
- (2) Connect the supplied power adapter to the DC IN jack of the BV-1222R and a wall socket. The LED indicator on the POWER button lights up in solid purple when the BV-1222R is connected to the power mains.

Step 3: Boot up the BV-1222T and BV-1222R

- (1) **After** the power cord is plugged into the electrical outlet, the BV-1222 will be turned on automatically.



- (2) **If it is in Standby mode** (Both POWER LED of transmitter and receiver are lit in red), press the POWER button on both transmitter and receiver to turn on the BV-1222T and BV-1222R. It will take about 1 minute for the system to boot up.

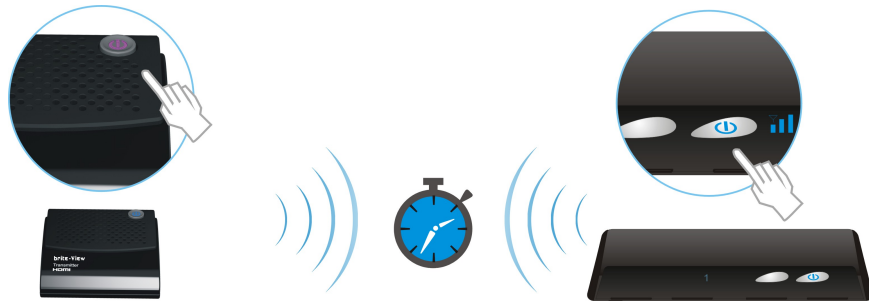


- (3) **If it is in Listen mode** (Transmitter POWER LED is lit in Red and Receiver POWER LED is lit in Purple), press the POWER button of Transmitter (Or just plug in Transmitter's power cord) to turn on the BV-1222T and BV-1222R.

Note : During this period, BV-1222R will enter Listen mode and once the Transmitter boots up, the Transmitter will automatically wake up the Receiver to establish a link.



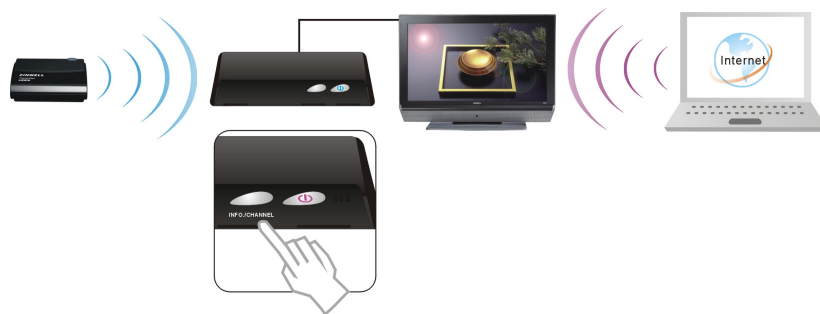
- (4) **During** the warm-up period, the POWER LED will blink in blue until the signal link between the BV-1222T and the BV-1222R is established.



Make sure your TV set or projector is in “HDMI input” mode, and is already powered on.

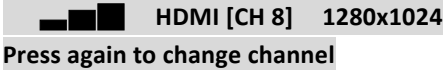


- (5) **If you** have electronic devices such as a cordless phone, wireless access point/router sharing the 5GHz channel frequency, you may experience disturbed picture or diminished sound quality when you use the electronic device near the HDelight. Press the INFO./CHANNEL button on the top of Receiver box to change the HDelight to different channels.



Note:

A. Changing the HDeLight to a different wireless channel:

	1. Enter the wireless RF channel adjustment mode	2. Changes to the next available RF wireless channel	3. Exit the wireless RF channel adjustment mode
Method	Press the INFO./CHANNEL button on the top of Receiver box over 3 seconds for current channel status display.	Press the INFO./CHANNEL button on the top of Receiver box again within 5 seconds to switch channel randomly.	No button is pressed for 5 seconds.
OSD Display Status			Exit.

B. Channel Number Indicating the Wireless Frequency:

Frequency [MHz]	US		Europe		Taiwan	
	Support Region	Channel	Support Region	Channel	Support Region	Channel
5190	V	1	V	1	V	X
5230	V	2	V	2	V	X
5755	V	8	X	X	X	5
5795	V	9	X	X	X	6

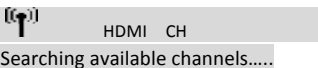
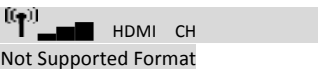
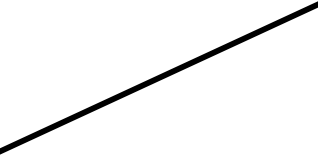
- (6) If all operation is normal, the POWER LED and INFO./CHANNEL LED will glow in solid blue.
Please refer to the next form containing detailed LED description:

Note:

- A. Make sure the display for your HDMI-ready computer connected to the BV-1222T has already been turned on. Please see the Chapter 4.1 for detail operation guide.
- B. Warming-up or source switching time should take approximately 15~20 seconds if the operation is in normal condition.

- (7) **TRANSMITTER/RECEIVER** Status Indicator LED Light and OSD:

- a. Status indicator LED light on the front display indicates the following messages:

Power LED	INFO./Channel LED	Mode	Status Description	OSD Display
Static Purple on RX Static Red on TX	off	Listen	User does not need to press RX power key for system to wake up. TX will wake up RX automatically when it boots up.	 Standby Mode
Static Red	Off	Standby	Lower power consumption.	 Standby Mod
Blinking Blue	Blinking	Booting or Linking	System initialize Or RF linking (Note A)	
Static Blue	Blinking 3 times /sec. (Quickly)	Linked	No input detected from selected source. (Note B)	
	Blinking 1 time / sec. (Slowly)		Video frame rate or resolution cannot be recognized. (Note C)	
	Static Blue		Video frame rate or resolution is recognized. Transmission is available with stable RF signal.	

Note:

- A. If the RF connection is not established over 80sec, it might be that the link is lost, or the transmitter is most likely out of range. You may have to verify the range and adjust or shorten the distance between your HDelight transmitter and the receiver. The maximum video transmission range for 1080p content is up to 30 feet, line-of-sight (LOS). < The suggested minimum range between the transmitter and receiver is 6.5 feet. >
- B. Please make sure the computer have been powered on, and the signals are output through "HDMI out". Also, you may want to try to re-plug the HDMI cable to make sure the HDMI connector has settled well.
- C. If there is no video display, and the OSD says "Not Supported Format", this is an indication that the video frame rate from the computer is not supported. Please refer to Chapter 5 to switch to a supported video timing.

(8) **TRANSMITTER/RECEIVER** Status on OSD vs. buttons:

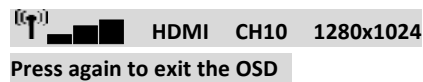
① **Press the POWER button on the top of Transmitter (or Receiver) to enter "Standby mode" from "active mode".**

OSD Displayed :



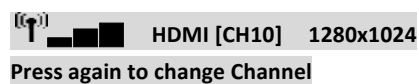
② **Press the INFO button on the top of Receiver. The Signal Quality, Source, Channel and resolution will be displayed for users' reference.**

OSD Displayed :



③ **Press the CHANNEL button on the top of Receiver to manually switch wireless channels if the user experiences video noise.**

Keep press "INFO./Channel" button over 3 seconds for current Channel status displayed on the OSD :

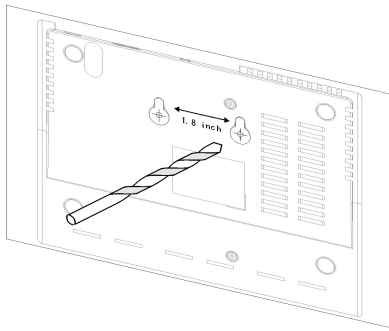


Press the “INFO./Channel” button again within 5 seconds to switch channels manually.

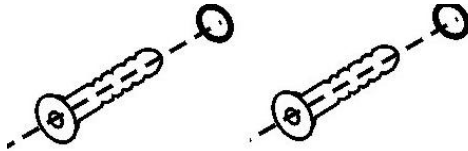
  HDMI [CH 8] 1280x1024
Press again to change Channel

Step 4: Mounting the BV-1222R to the Wall

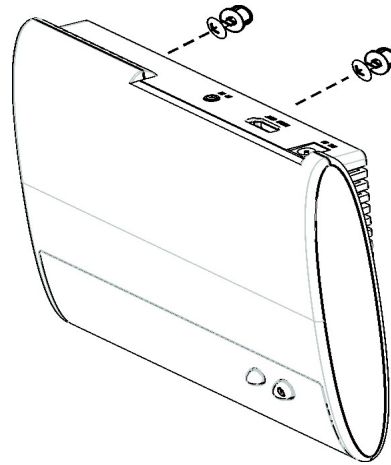
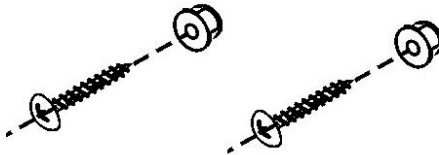
- (1) Refer the drawing of the bottom page that have relative position of the keyholes and attach this paper on wall.
- (5) Place BV-1222R keyholes over the protruding screws and slide down into position.



- (2) Drill pilot holes.
- (3) Insert the supplied two anchors into the wall.



- (4) Insert two screws into the anchors. Leave 1/8" length for mounting the Transmitter or receiver.



4. Troubleshooting

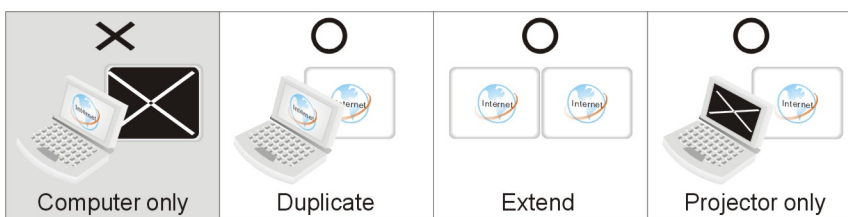
Problem	Solution
The BV-1222 front panel power indicator (red LED) doesn't light up.	Check if the power plugs of BV-1222T/BV-1222R are properly inserted into a functioning power outlet.
There is no video displayed on your TV screen.	The wireless link might require 80 seconds to connect between transmitter and receiver, and show video on the TV screen. Please be patient and wait for a while. - Verify that the proper cables have been selected and installed between the BV-1222T (transmitter) input and your HDMI-ready PC output. - On your TV side (connected to the BV-1222R), select the HDMI as input source. - Verify the POWER LED and INFO./CHANNEL LED indicator of BV-1222. Power LED Flashing in Blue OSD displayed: Searching available channels..... * Ensure the transmission range between the transmitter and the receiver is not over 30 feet (LOS; line-of-sight) transmission distance. Move the transmitter closer to the receiver. * Press INFO./CHANNEL on the top of receiver box to manually change the wireless channel. Please refer Chapter3 / Step 3 / Section 8 / Item 3 for the detailed operation guide. POWER LED in Solid Blue + Slow and Flashing SOURCE LED OSD displayed: Not supported Video format * Ensure your video resolution and frame rate is recognized/ supported and within the transmission range. * Connect the source device to your TV to check and modify the video format compatibility. * Check the video resolution from your HDMI-ready computer is 1080p, 1080i, 720p, 576p, 480p. Please refer Chapter 5 for the detail supported Resolution. POWER LED in Solid Blue + STATUS LED Flash Quickly OSD displayed : No Signal * Ensure the proper cables are connected between the transmitter and your PC (or Notebook) devices. * Ensure your desktop (or laptop) connected to the BV-1222

	transmitter is powered on. * Ensure the display setting for your PC (or laptop) had been switched to "Duplicate", "Projector only" or "Extend" mode to enable the external display. (Refer to Chapter 4.1 for the detailed operation guide.)
Poor picture quality or intermittent video play.	• Check if the video resolution coming from your PC device via HDMI is either 1080p, 1080i, 720p, 576p, or 480p. Please refer to the "Supported Resolution" chapter where the supported video frame rate from your PC is defined. • Press INFO./CHANNEL on the top of BV-1222R box to manually change the wireless channels. • Ensure the transmission distance is less than 30 feet (LOS).
No audio.	• Check if your TV's volume is properly set and not in "MUTE". • Check if your PC's (or laptops) audio output has been switched to HDMI out. • Check if your PC's (or laptop's) audio volume has been turned up. • Ensure the bit rate of audio from the source device can be supported by BV-1222. Please refer to the details in Chapter 6, Audio Bit Rate Support.
If no audio / video when resume from PC's sleep mode.	• Please try to re-plug the HDMI cable of TX for re-detect the external HDMI device • Please try to reboot BV-1222 for re-synchronize the display setting. • Please try to reboot your PC (or laptop)

4.1 External Display Setup in Windows OS

♦ Windows 7:

1. Press  key + **P** key
2. An icon shown below should be displayed on the screen:



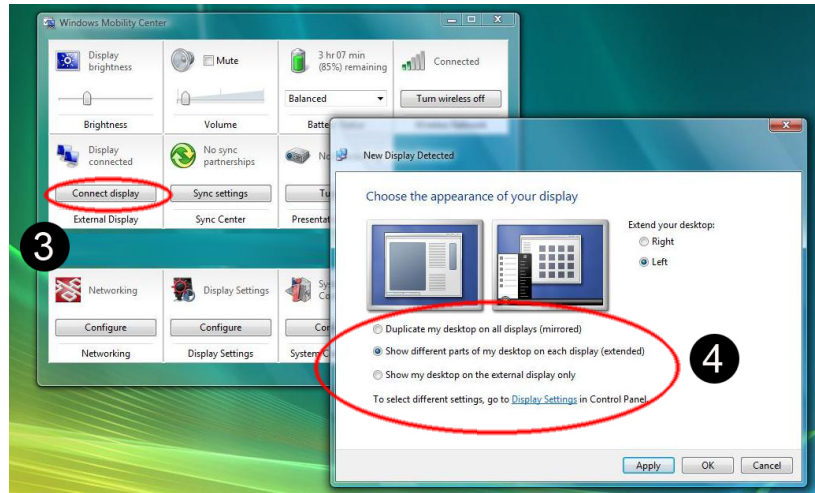
3. Select "Duplicate", "Extend" or "Projector only" to enable the external display.

♦ **Windows Vista:**

1. Click to open **Windows Mobility Center** ② from **Start** ①



2. On the **External Display** title, click **Connect display** ③ to open **New display Detected**
3. Choose **Mirrored** or **Extended** mode to enable external display.



♦ **Windows XP:**

1. Click the right key of the mouse on the desktop
2. Click **Graphic Option / Output to**
3. Click **Clone** mode or **extended display**

Note: For more information, please search “change display settings” in Windows Help and Support.

4.2 External Display Setup in MAC OS

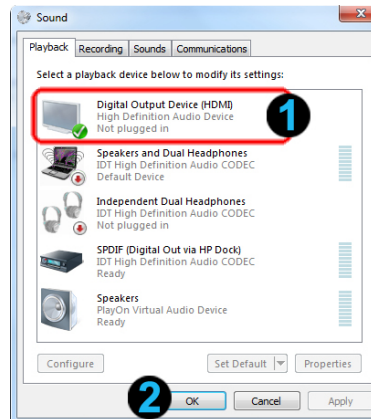
MAC OS detects the external display automatically and switch to a better video resolution when user plugs in the display cable to Apple Mac series.

- ◆ Once MAC OS do not detect external display automatically, please check below :
 1. Click to open **Displays** for  / **System Performance**
 2. Click **Detect Displays** for re-detect the external display

4.3 HDMI Audio Output Setting in Windows OS

◆ Windows 7:

1. Click to open Audio setting from Control panel
2. Select **HDMI Output** ❶ and Press **OK** ❷



◆ Vista:

3. Click to open **Windows Mobility Center** ❷ from **Start** ❶



4. On the **Volume** ❸ title, click the **Change audio setting** ❹ icon to open **Sound** page
5. Select **HDMI output** ❺ and press **OK** ❻



♦ **Windows XP:**

1. Click to open Audio setting from Control panel
2. Select **HDMI Output** and Press **OK**

Note: For more information, please check “Windows Help and Support”.

5. Supported Resolution

If the SOURCE LED continues to blink in blue (slower than “no signal” mode) and the OSD displays: “No Supported Format” while there is no video displayed (or the video quality suffers), it indicates that the video frame rate from your HDMI-ready computer is not supported. Please make sure the device you are using is compliant with the CEA Standards listed below:

Video Format Timings	Resolution	40MHz
Primary CEA Video Timing		
640x480p @ 59.94 / 60Hz	480p	YES
720x480p @ 59.94Hz		YES
720x480p @ 60Hz		YES
720x576p @ 50Hz	576p	YES
1280x720p @ 50Hz	720p	YES
1280x720p @ 59.94 / 60Hz		YES
1920x1080i @ 50Hz	1080i	YES
1920x1080i @ 59.94 / 60Hz		YES
1920x1080p @ 50Hz	1080p / 60	YES
1920x1080p @ 59.94 / 60Hz		YES
Secondary CEA Video Timing		
1920x1080p @ 23.98 / 24Hz	1080p / 24	YES
1920x1080p @ 25Hz		YES
1920x1080p @ 29.97 / 30Hz		YES
VESA Timing (DVI only)		
640x480 @ 59.94 / 72.809Hz	VGA	YES
800x600 @ 60.317 / 72.188Hz	SVGA	YES
1024x768 @ 60 / 70.069Hz	XGA	YES
1280x768 @ 60 Hz	WXGA	YES
1280x1024 @ 60 Hz	SXGA	YES
1600x1200 @ 60Hz	UXGA	YES

6. Audio Bit Rate Support

- Digital Audio from HDMI inputs: Up to 6Mbit/s bit-rate support.
- Support AC3 and DTS.
 - 2-channel PCM audio : 16~24 bits audio sample with 32~48KHz sampling rate

2channel PCM	32KHz	44.1KHz	48KHz	96KHz
16 bits	YES	YES	YES	YES
24 bits	YES	YES	YES	YES

7. Product Specification

General Specifications			
Supported Video Resolutions	HDMI Input	1080p, 1080i, 720p, 576p, 480p	
Supported Audio Formats	Digital Audio	up to 6 Mbps AC3 and DTS	
Transmission Distance		The maximum video transmission range is 10 meters (30 feet) (The minimum range is 2 meters) line of sight (LOS) scenarios	
System Latency		No latency (<1ms)	
Antenna		High Performance Internal Antennas	
Operating Frequencies		4.9~ 5.9GHz (Include non-DFS and DFS Frequency Bands)	
Power Supply		100~ 240V AC in, 5V 2A DC out Power Adaptor	
Operating Temperature		0~40°C	
Interfaces		BV-1222T	BV-1222R
A/V Interfaces	HDMI Input	One (Type A)	-
	HDMI Output	-	One (Type A)
Power Interface	Power Input	USB Y-cable connected to Dual USB Port of PC side.	5V DC Jack
Switches	Power Switch	YES (One Tack Switch)	YES (One Tack Switch)
	INFO./Channel Switch	-	YES (One Tack Switch)
LEDs	Power LED	1 x LED (Two Tone: Blue / Red)	1 x LED (Three Tone: Blue / Red / Purple)
	Status LED	-	1 x Blue LED
	Signal Quality Status	-	OSD Displayed
Dimensions		84(W) x 84(L) x 36(H) mm	181(W) x 145(L) x 33(H) mm

