

# HDelightII

Wireless 1080p HD Beam-to-TV Transmission Kit



**BVW-100 Transmitter**

**BVW-100 Receiver**

Transmission Range Up  
to 30 Feet\*

Streams Full HD  
1080p 60Hz

Plug-and-Play; No Software  
Installation Required

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# 1. Important Information

Please take the time to read this user manual before using the BVW-100. 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

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



**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 property 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)**

### **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  $\leq 16$  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 RLAN 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.
- BVW-100 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 BVW-100 transmitter and receiver is between 2 and 7 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 statement must be included with all versions of this document supplied to an OEM or integrator, but should not be distributed to the end user.
  - This device is intended for OEM integrators only.
  - Please See the full Grant of Equipment document for other restrictions.
  - This device must be operated and used with a locally approved access point.

- 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 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.



## CAUTION: Using this System in Canada

- Industry Canada regulatory information  
Operation is subject to the following two conditions:
  - This device may not cause interference,
  - 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.



## Europe – EU Declaration of Conformity

This device complies with the essential requirements of the R&TTE Directive 1999/5/EC. The following test methods have been applied in order to prove presumption of conformity with the essential requirements of the R&TTE Directive 1999/5/EC:

- EN 60065: 2002+A1: 2006+A11: 2008+A2 2010
- Safety of Information Technology Equipment
- EN50371 : 2002  
Generic standard to demonstrate the compliance of low power electronic and electrical apparatus with the basic restrictions related to human exposure to electromagnetic fields (10 MHz - 300 GHz)  
-- General public
- EN 301 893 V1.5.1: 2008  
Broadband Radio Access Networks (BRAN); 5 GHz high performance RLAN; Harmonized EN covering essential requirements of article 3.2 of the R&TTE Directive
- EN 301 489-1 V1.8.1: 2008  
Electromagnetic compatibility and Radio Spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements
- EN 301 489-17 V2.1.1 2009  
Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for 2,4 GHz wideband transmission systems and 5 GHz high performance RLAN equipment

Hereby, brite-view declares that this Full HD video wireless kit is in compliance with the essential requirements and other relevant provisions of Directive 1995/5/EC.



## Industry Canada statement

This device complies with RSS-210 of the Industry Canada 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.

### **IMPORTANT NOTE: (IC: 9078A-ZRF32200)**

#### **Radiation Exposure Statement:**

This equipment complies with IC 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.

#### **Caution:**

(i) the device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;

(ii) high-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

### **IMPORTANT NOTE: (IC: 9078A-RF31200M)**

#### **Radiation Exposure Statement:**

The product comply with the US/Canada portable RF exposure limit set forth for an uncontrolled environment and are safe for intended operation as described in this manual. The further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available.

#### **IMPORTANT NOTE:**

In the event that these conditions can not be met (for example certain laptop configurations or co-location with another transmitter), then the Canada authorization is no longer considered valid and the IC ID can not be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate Canada authorization.

#### **French translation:**

Ce dispositif est conforme à la norme CNR-210 d'Industrie Canada applicable aux appareils radio exempts de licence. Son fonctionnement est sujet aux deux conditions suivantes: (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

**NOTE IMPORTANTE: (IC: 9078A-ZRF32200)**

**Déclaration d'exposition aux radiations:**

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

- (i) les dispositifs fonctionnant dans la bande 5 150-5 250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;
- (ii) De plus, les utilisateurs devraient aussi être avisés que les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5 250-5 350 MHz et 5 650-5 850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

**NOTE IMPORTANTE: (IC: 9078A-RF31200M)**

**Déclaration d'exposition aux radiations:**

Le produit est conforme aux limites d'exposition pour les appareils portables RF pour les Etats-Unis et le Canada établies pour un environnement non contrôlé.

Le produit est sûr pour un fonctionnement tel que décrit dans ce manuel. La réduction aux expositions RF peut être augmentée si l'appareil

peut être conservé aussi loin que possible du corps de l'utilisateur ou que le dispositif est réglé sur la puissance de sortie la plus faible si une telle fonction est disponible.

**NOTE IMPORTANTE:**

Dans le cas où ces conditions ne peuvent être satisfaites (par exemple pour certaines configurations d'ordinateur portable ou de certaines co-localisation avec un autre émetteur), l'autorisation du Canada n'est plus considéré comme valide et l'ID IC ne peut pas être utilisé sur le produit final. Dans ces circonstances, l'intégrateur OEM sera chargé de réévaluer le produit final (y compris l'émetteur) et l'obtention d'une autorisation distincte au Canada.



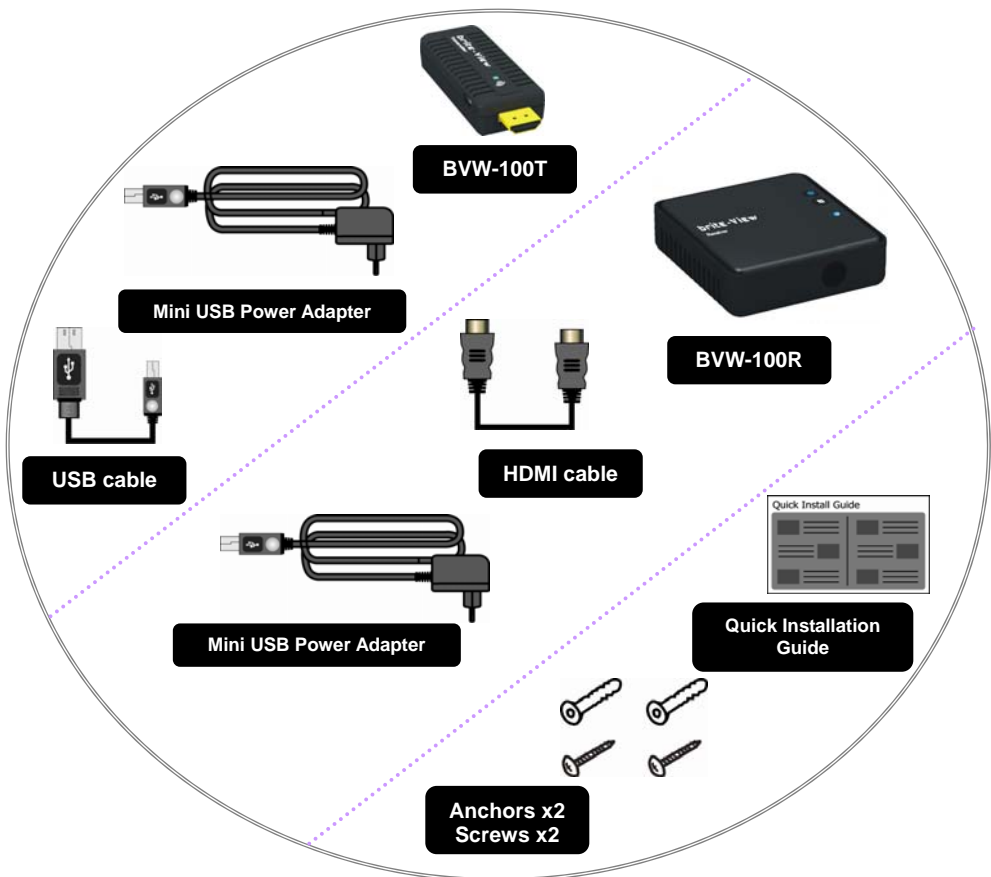
## 2. Introduction

BVW-100 is a Full HD wireless transmission device.

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 and it can adjust its communication frequency automatically in case of interference from another RF system. With built-in Omni-directional antennas, it can transmit uncompressed video content to 7 meters (20 feet) LOS (Line of sight) with no latency.

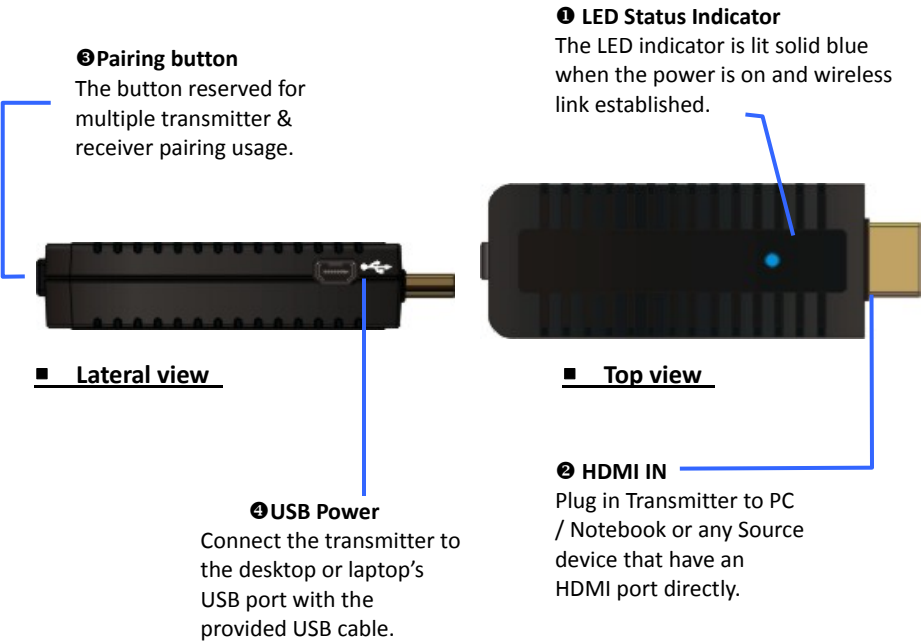
### 2.1 Packing Content

Please check whether the following items are present in the package. If any items missed or damaged, please call your dealer.



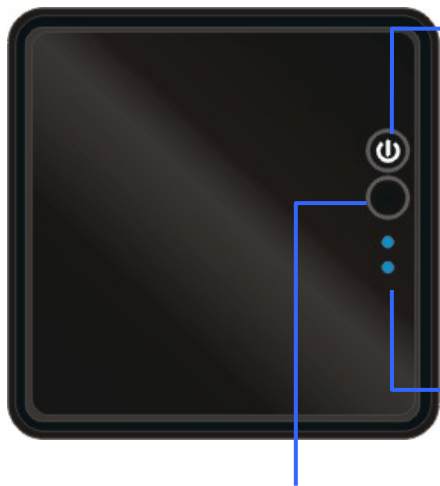
# 2.2 Overview

## 2.2.1 BVW-100T (TX): PC to TV Transmitter



2.2.2 BVW-100R (RX): PC to TV Receiver

■ Top view



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 **Status LED**

Display the video status information.

❸ **INFO. Button**

Press this button for OSD displayed the information on the HDTV screen.

■ Rear view



❹ **DC IN**

Connect to receiver's power adapter.

❺ **HDMI OUT**

Connect to HDTV set via an HDMI cable.

### 3. Installation

#### Step 1: Setup the BVW-100T transmitter

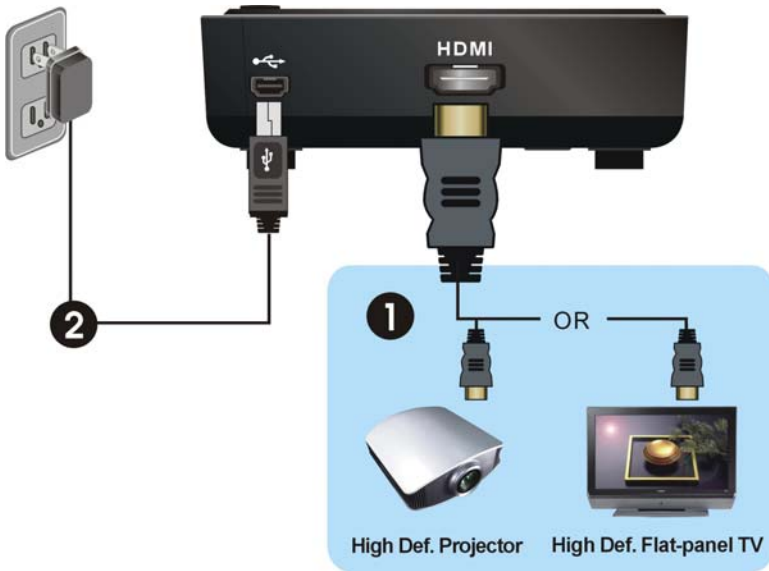
Connect an HDMI-ready computer to the BVW-100T:



- (1) Plug the transmitter's HDMI connector to the HDMI-ready computer's "HDMI OUT" or Source player's "HDMI OUT" directly.
- (2) Power supplied by USB port of computer through the USB cable (included on package). Or connect the supplied power adapter to the mini USB port of the BVW-100T and a wall socket. The LED indicator should lights up in blue when the BVW-100T is connected to the computer through USB.

## Step 2: Setup the BVW-100R receiver

### HDTV set Connection with BVW-100R:



- (1) Connect the HDMI cable to the HDMI OUT jack of the receiver and to your HDTV set (or an HD projector).
- (2) Connect the supplied power adapter to the DC IN jack of the BVW-100R and a wall socket. When it's connected to the power mains and Power LED indicator on the POWER button lights up in blue.

### Step 3: Boot up the BVW-100T and BVW-100R

- (1) **After** the power cord is plugged into the electrical outlet, the BVW-100 will be turned on and link established automatically.



- (2) **When** unplug the power of BVW-100T, BVW-100R will enter Standby mode (POWER LED of receiver is lit in red) when link drop over 10mins.



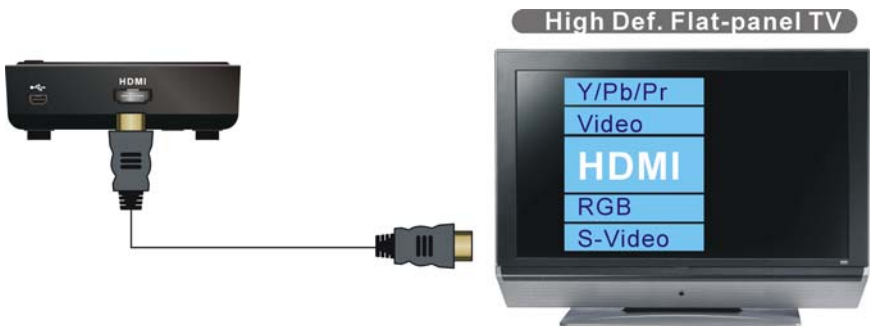
- (3) **When** BVW-100R in Standby mode (Receiver POWER LED is lit in red), plug in the power of BVW-100T, the Transmitter will wakes up the Receiver automatically to establish a link.




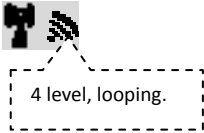
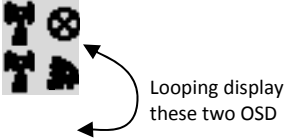


- (4) **During** the warm-up period, the POWER LED will blink in blue until the signal link between the transmitter and the receiver is established. It will spend around 15 ~ 20 seconds for boot up and link established if the operation is in normal condition.



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



- (5) If all operation is normal, the POWER LED and INFO./CHANNEL LED will glow in solid blue. Please refer to the below form containing detailed LED indicator and OSD description of transmitter / receiver:

Item / Mode	Status Description	Power LED (on RX)	Status LED (on RX)	OSD Display (on RX)
<b>Standby</b>	For power saving mode.	Static Red	Off	
<b>Initial Boot up / Warm up</b>	It will spend 15 ~ 20 seconds for system boot up.	Blinking Blue	Blinking	
<b>Searching available channels</b>	Continuing search available channels If system can't establish link over 80s after initialization. (Note A & D)	Blinking Blue	Blinking	
<b>Wireless linked Mode</b>	No input from selected source (Note B)	Static Blue	Blinking (Quickly)	
	Video format not recognized (Note C)	Static Blue	Blinking (Slowly)	
	Video format is recognized	Static Blue	Static Blue	-

**Note:**

- If the RF connection over 80sec and still not established, it might 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 HDTV set with the transmitter and the receiver. The maximum video transmission range for 1080p content is up to 20 feet in line of sight (LOS). < The minimum range is 6.5 feet. >
- Please make sure the computer have been power on and switched the signal output to HDMI out; also try to re-plug the HDMI cable to make sure the HDMI connector had settled well.
- If there is no video displayed and OSD displayed "Not Supported Format", this is an indication that the video frame rate from the computer is not supported, please refer chapter 5 to switch a supported video timing.



- D. If you have more than one pair of BVW-100, 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.

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

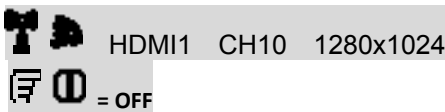
❶ Press the **POWER** button on the top of Receiver to enter “Active-Standby mode” from “Active mode”.

- The OSD Shows: (Display 3secs and then enter Active-Standby mode.)



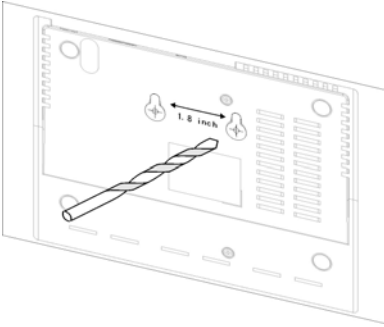
❷ Press the **INFO.** button on the top of Receiver, the Signal Quality, Source, Channel and resolution will be displayed for user reference. Press **INFO.** button again for exit.

OSD Displayed :

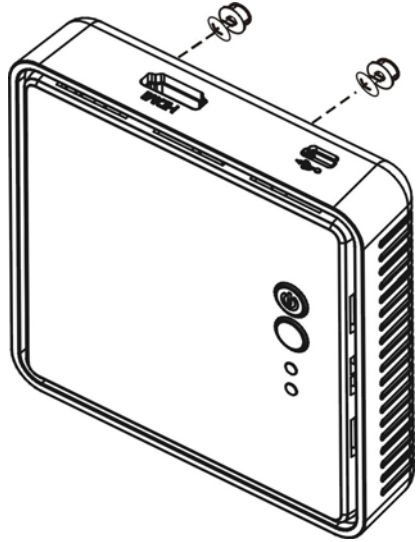


## Step 4: Mounting the BVW-100R to the Wall

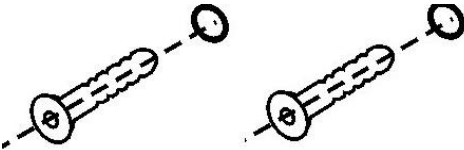
- (1) Refer the drawing of the bottom page that have relative position of the key holes and attach this paper on wall.



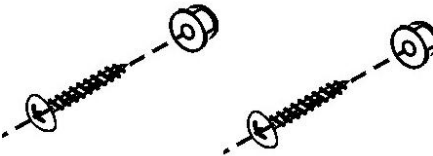
- (5) Place BVW-100R key holes over the protruding screws and slide down into position.






- (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 receiver.




## 4. Troubleshooting

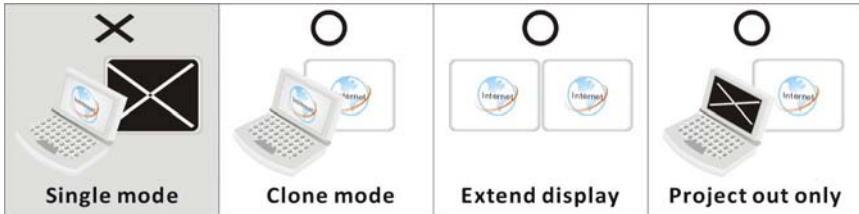
Problem	Solution
The BVW-100 front panel power indicator (red LED) doesn't light up.	<ul style="list-style-type: none"><li>• Check if the power plugs of transmitter/receiver are properly inserted into a functioning power outlet.</li><li>• Make sure both POWER LED of transmitter/receiver are lit in the blue.</li></ul>
There is no video displayed on your TV screen.	<ul style="list-style-type: none"><li>• Verify that the proper cables have been selected and installed between the transmitter input and your High-end PC output.</li><li>• On your TV side (connected to the BVW-100R), select the HDMI as input source.</li><li>• Verify the POWER LED and INFO. LED indicator of receiver.</li></ul> <p><b>Power LED Flashing in Blue</b></p> <p><b>OSD displayed:</b>  (4 levels looping)</p> <p>* Ensure the transmission range between the transmitter and the receiver is not over 20 feet (LOS-line of sight) transmission distance. Move the transmitter closer to the receiver.</p> <p><b>POWER LED in Solid Blue + Slow and Flashing SOURCE LED</b></p> <p><b>OSD displayed :</b> </p> <p>* Ensure your video resolution and frame rate is recognized/ supported and within the transmission range.</p> <p>* Connect the source device to your TV to check and modify the video format compatibility.</p> <p>* Check your video resolution with HDMI input from your device is 1080p, 1080i, 720p, 576p, 480p. Please refer Chapter 5 for the detail supported Resolution.</p> <p><b>POWER LED in Solid Blue + STATUS LED Flash Quickly</b></p> <p><b>OSD displayed :</b> </p> <p>* Ensure the proper cables are connected between the transmitter and your PC (or Notebook) devices.</p> <p>* Ensure your PC (or Source device) devices connected to the BVW-100 transmitter are powered on.</p> <p>* Ensure the display setting for your PC (or laptop) had been switched to clone mode, Projector out mode or dual display mode for enable external display. (Refer Chapter 4.1 for the detail operation.)</p>

Poor picture quality or intermittent video play.	<ul style="list-style-type: none"> <li>• Check if your video resolution with HDMI input from your PC device is either 1080p, 1080i, 720p, 576p, or 480p. Please refer to the “Supported Resolution” chapter where the video frame rate from your PC device BVW-100 can support is defined.</li> <li>• Ensure the transmission distance is less than 20 feet (LOS).</li> </ul>
No audio.	<ul style="list-style-type: none"> <li>• Check if your TV’s volume is properly set and not in "MUTE".</li> <li>• Check if your PC’s (or laptops) audio output has been switched to HDMI out.</li> <li>• Check if your PC’s (or laptop’s) audio volume has been turned up.</li> <li>• Ensure the bit rate of audio from the source device can be supported by BVW-100. Please refer to the details in Chapter 6, Audio Bit Rate Support.</li> </ul>
If no audio / video when resume from PC’s sleep mode.	<ul style="list-style-type: none"> <li>• Please try to re-plug the HDMI cable of TX for re-detect the external HDMI device</li> <li>• Please try to reboot BVW-100 for re-synchronize the display setting.</li> <li>• Please try to reboot your PC (or laptop)</li> </ul>
No 3D video output	<p><b>OSD displayed :</b> RX </p> <ul style="list-style-type: none"> <li>• Check the TV connected on Rx should support 3D video format.</li> <li>• Check the TV that connected with receiver should support 3D video format. If TV only support 2D format, then 3D output might not supported.</li> <li>• Check the video output setting of Source player (ex. Blu-ray Disc, PS3..etc.). If the video output setting of Source player is 3D video format, It might be abnormal display on HDTV which not supports 3D format.</li> <li>• 3D video format do not support on current equipments status. Please switch the 3D video format to HDMI 1.4a mandatory 3D format. Please check the Chapter 5 that list all supported 3D format of this product.</li> </ul>

## 4.1 Windows OS Display setting of Laptop for enables external display

### ♦ On Windows7 OS :

1. Press  key + **P** key
2. There is a Pop icon displayed on the screen, likes below :



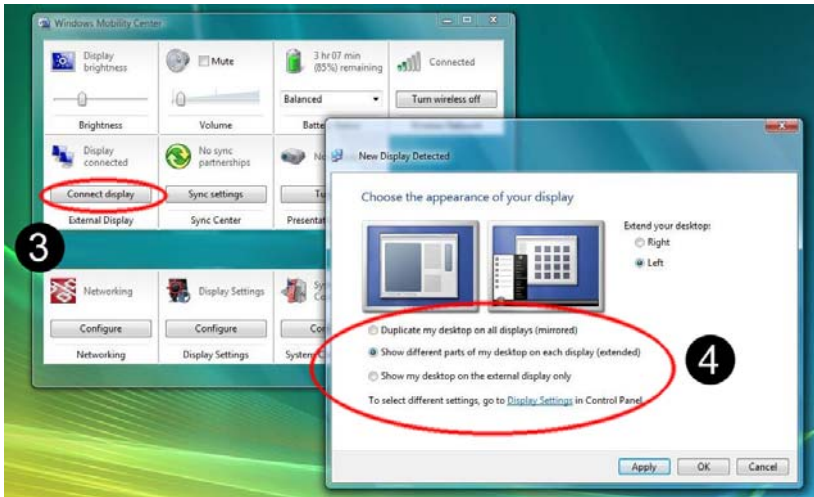
3. Select Clone mode or Extend Display or Project out only to enable external display.

### ♦ On Windows Vista OS:

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



2. On the **External Display** title, click **Connect display③** to open **New display Detected**
3. Choose **Mirrored** or **Extended** mode to enable external display.




♦ **On Windows XP OS:**

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 type “change display settings” on Windows Help and Support.

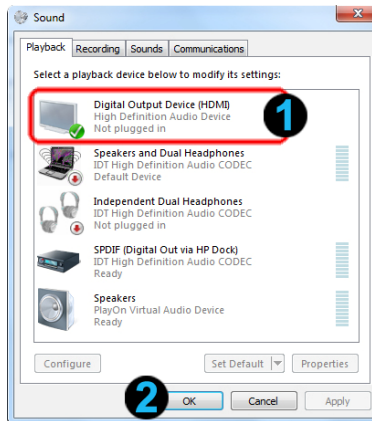
## 4.2 MAC OS Display setting of Laptop for enables external display

- ♦ MAC OS will detect external display equipment 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** form  / **System Performance**
  2. Click **Detect Displays** for re-detect the external display

## 4.3 Windows OS Audio setting of Laptop for switch to HDMI output

### ♦ On Windows7 OS :

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



### ♦ On Vista OS :

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



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




◆ **On Windows XP OS :**

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

**Note:** For more information, please type “change audio settings” on “Windows Help and Support”.




## 5. Supported Resolution

If the SOURCE LED continues to blink in blue (slower than “no signal” mode); OSD display: “”, and there is no video displayed or the video quality suffers, it indicates that the video frame rate from your A/V source device is not supported. Ensure that the consumer timing of your HD device is compliant with the standard listed below:

Video Format Timings	Resolution	Supported
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
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	SXGA	YES

If the RX status LED continues to blink in blue (slower than “no signal” mode); or

OSD display: RX , please check does TV support 3D video format and try to switch the 3D video format the one of below table.

Mandatory CEA	3D Video Format Timings	Support
1280x720p @ 50Hz	Top-and-Bottom	YES
1280x720p @ 50Hz	Frame packing	YES
1280x720p @ 59.94 / 60Hz	Top-and-Bottom	YES
1280x720p @ 59.94 / 60Hz	Frame packing	YES
1920x1080i @ 50Hz	Side-by-Side (Half)	YES
1920x1080i @ 59.94 / 60Hz	Side-by-Side (Half)	YES
1920x1080p @ 23.98 / 24Hz	Top-and-Bottom	YES
1920x1080p @ 23.98 / 24Hz	Frame packing	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 7 meters (20 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 DC out Power Adaptor	
Operating Temperature		0~40°C	
Interfaces		BVW-100T	BVW-100R
A/V Interfaces	HDMI Input	One (Type A, Male)	-
	HDMI Output	-	One (Type A, Female)
Power Interface	Power Input	USB cable or 5V DC Jack	5V DC Jack
Switches	Power Switch	-	YES (One Tack Switch)
	INFO. Switch	YES (One Tack Switch)	YES (One Tack Switch)
LEDs	Power LED	-	1 x LED (Two Tone: Blue / Red)
	Status LED	1 x Blue LED	1 x Blue LED
	Signal Quality Status	-	OSD Displayed
Dimensions		30(W) x 82.2(L) x 17.5(H) mm	95(W) x 95(L) x 31.2(H) mm

