2.4GHz Wireless TV Box

User Manual

1. Packaging

1.1 Transmitter × 1 and Receiver × 1

1.2 2.4GHz Omni-directional Antenna × 1

1.3 Remote Controller × 1 (Supplied with two AAA Batteries)

1.4 Two-way RF Splitter × 1

1.5 DC9V Adaptor × 2 (for Transmitter and Receiver)

1.6 CATV Cable (1M) × 1

1.7 RCA A/V Cable (1.5M) × 1

1.8 Screw Mount × 3

1.9 User Manual × 1

2. Features

2.1 Watch cable TV on additional CRT or LCD monitor in separate rooms via 2.4GHz wireless transmission.

Note: Monitor should be equipped with RCA input.

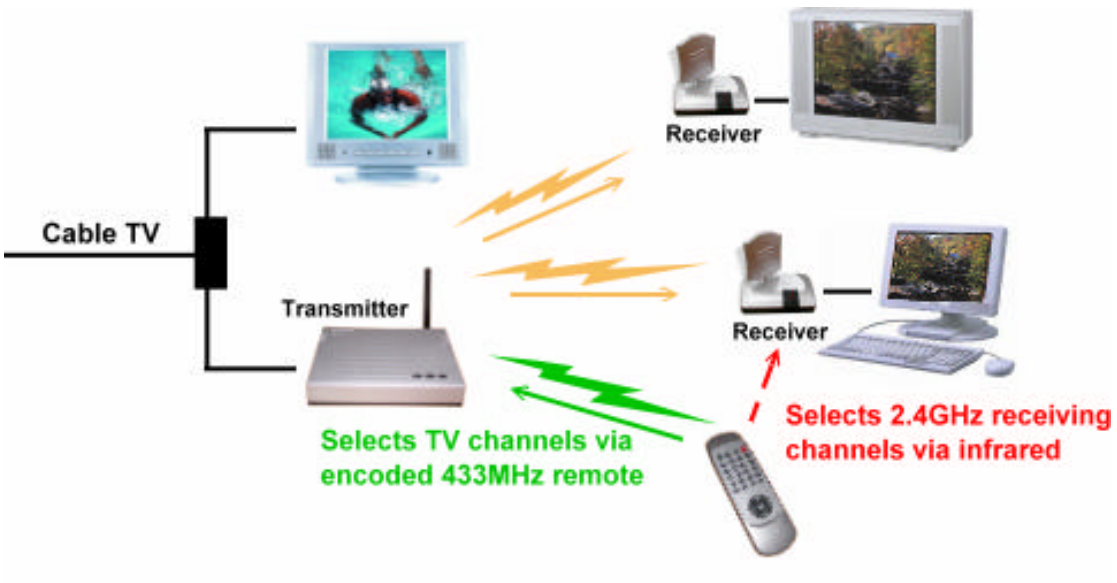
2.2 Transmits CATV signals via the Transmitter or signals from other video equipment such as VCR, DVD, VCD, satellite receiver, and video camera by wireless.

2.3 Transmitting range is about 30~40 meters indoors (estimated).

2.4 Built-in 433MHz and IR remote give commands over the transmitter and the receiver separately.

2.5 Encoded 433MHz remote avoids interference caused by other 433MHz products.

2.6 Memory function enables the devices to remain on last used channel.



3. Specifications

3.1 Transmitter

Frequency	2400~2483MHz
Transmitting Power	0dBm(FCC)/10dBm(CE)
No. of Channels	4 (2410, 2430, 2450, 2470)
Video In/Out	Cable, Air TV, Composite
Video System	NTSC/PAL/SECAM
Remote Control	433MHz
Power Consumption	DC9V, 500mA
Operating Temperature	-10℃ ~ 50℃
Weight	260g
Dimensions (W´H´D)	152 × 125 × 35 (mm)

3.2 Receiver

Frequency	2400~2483MHz
No. of Channels	4 (2410, 2430, 2450, 2470)
Video Out	Composite
Remote Control	Infrared
Video Output Level	1 Vp-p
Power Consumption	DC9V, 500mA
Operating Temperature	-10℃ ~ 50℃
Weight	140g
Dimensions (W´H´D)	117 × 85 × 42 (mm)

3.3 Approvals

FCC/CE

4. Installation

4.1 Transmitter

Please note that this device is mainly for home use. It is better not to place it under sunlight. Please keep it away from heat, humid, dusty, or greasy environment.

Diagram 1:

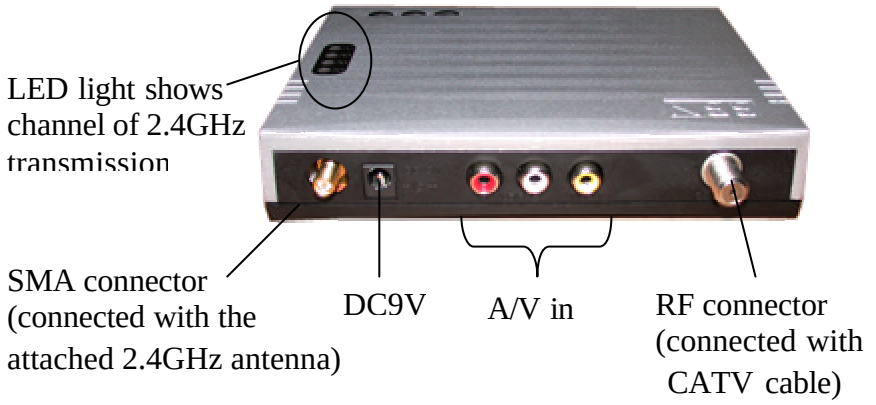
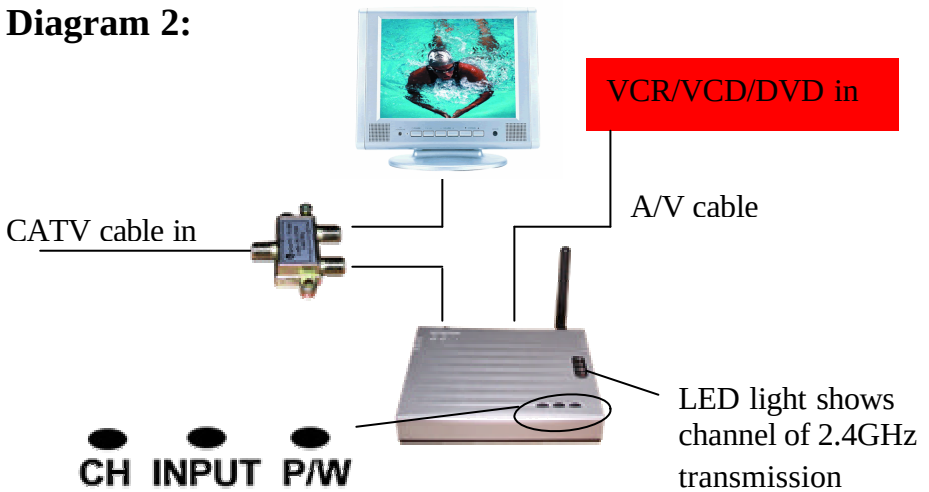


Diagram 2:



4.1.1 Find the CATV signal source. Generally, it is fixed on walls of the house or under roof.

4.1.2 Get CATV cable. If there is only one TV, just connect the CATV signal source with the transmitter. Otherwise, connect it with the attached 2-way RF splitter input. Then connect one splitter output with the transmitter and the other splitter output with the TV via CATV cable.

4.1.3 Connect a VCR/VCD/DVD player with the transmitter via RCA A/V cable. Make sure that the colors (yellow, white, and red) match. You may

press "INPUT" or use the remote (see instructions in Section 5: Remote Controller) to switch mode (TV or A/V).

4.1.4 Power the transmitter with the attached DC9V adaptor. Please make sure that the DC jack is plugged in before power on.

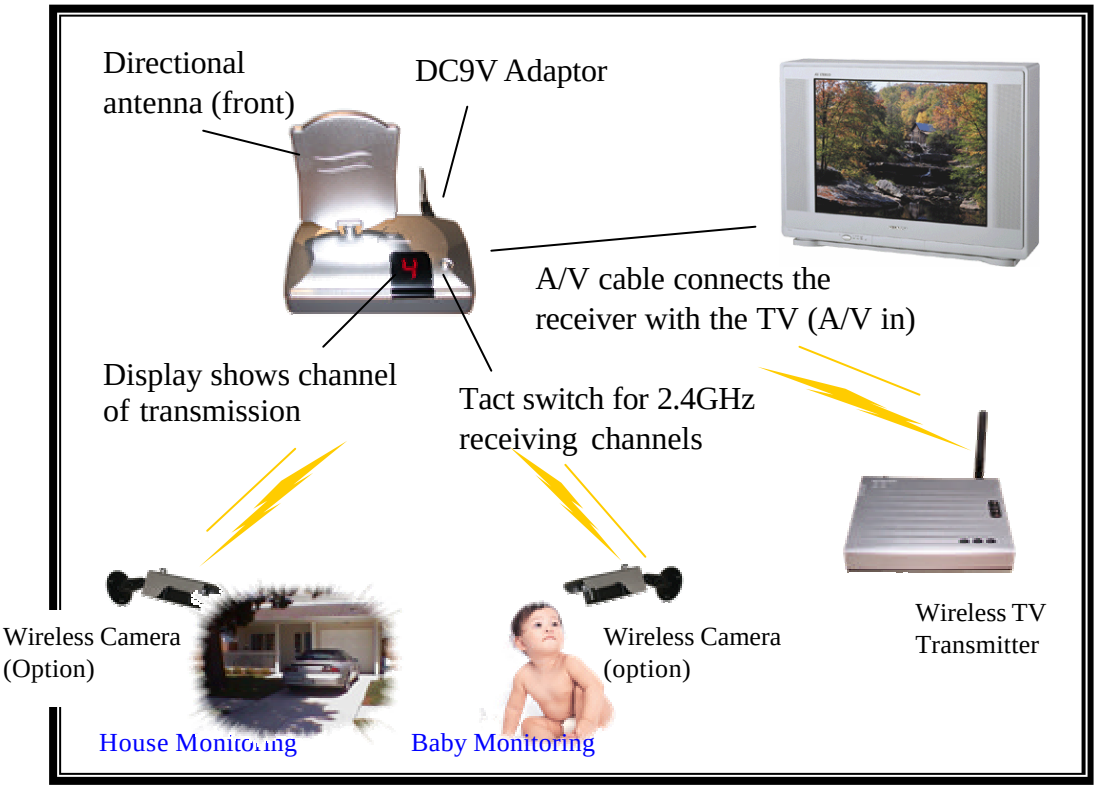
4.1.5 Press "P/W" or use the remote. Check if the transmitter is turned on. The LED light shall light up after power on.

4.1.5 Press "CH" or use the remote to select a channel of transmission. Later in setting up the receiver, make sure the channel shall be same as the transmitter.

4.1.6 In order to get the best transmission quality, place the transmitter in a favorable place. Adjust antenna direction till the picture gets clear and steady. Generally, make the antenna stand straight.

4.2 Receiver

Please note that this device is mainly for home use. It is better not to place it under sunlight. Please keep it away from heat, humid, dusty, or greasy environment.



4.2.1 Turn on the TV and then switch to A/V mode.

4.2.2 Connect the receiver with the TV A/V Input via RCA A/V cable. Please make sure that the colors (yellow, white, and red) match.

4.2.3 Power the receiver with the attached DC9V adaptor. Please make sure

that the DC jack is plugged in before power on.

4.2.4 Make sure that the digit-display (red light) lights up after power on.

4.2.5 Switch channel of transmission via tact switch or remote (see instructions in Section 5: Remote Controller) to same as the transmitter.

> Options to buy: Wireless Camera (regular, covert, and etc.)
> When there are multiple transmitters working at your place, just use the remote to switch receiving channels. No need to move and may be able to see pictures sent from other transmitters such as wireless camera. Please refer to the local distributors for optional wireless products.

4.2.6 The receiver shall start to receive pictures from the transmitter now. Please adjust antenna direction till the picture gets clear and steady. Generally, it is better to make the antenna (front) face the transmitter.

5. Remote Controller

5.1 Using the Remote Controller

Power	Power On/Off the transmitter
TX. CH	Switch 2.4GHz transmitting channels of Tx
RX. CH	Switch 2.4GHz receiving channels of Rx
TV/AV	Switches TV and Video input on transmitter
FUNC*	Sets up an new encoded address of the remote
SCAN	Automatically scans all TV channels
CH + -	Adds or deletes TV channels
CH+/CH-	Switches TV channels in sequence
VOL+/VOL-	Turns up or down the output volume
MUTE	Silent
DISPALY	Shows OSD status
JUMP	Turns back to the previous TV channel
MTS	Bilingual system
0~9	Selects a TV channel directly by pressing number keys

*FUNC: Please refer to Section 6.3 for further details.

5.2 Installing the Batteries

The remote uses 2 AAA alkaline batteries for power. We recommend using high-quality batteries.

5.2.1 Remove the battery compartment door by pressing the tab allowing to door to be removed.

5.2.2 Install 2 AAA alkaline batteries (included) into the battery compartment. Be certain to follow the + and – symbols in the compartment. Installing the batteries incorrectly will prevent the unit from operating.

5.2.3 Put the battery compartment door back on.

Battery Safety Precautions:

1. Do not burn, disassemble, mutilate, or puncture. Like other batteries of this type, toxic materials could be released which can cause injury.
2. To reduce the risk of fire or personal injury, please use quality batteries.
3. Keep batteries out of the reach of children.

6. Trouble Shooting

Please read this user manual carefully before using the Wireless CATV Box. If you still have difficulties using this product, please consult the following syndrome, which will give your guide to solve most common problems. Otherwise, please refer to the local distributors for problems.

6.1 No picture or sound

- Check if the DC adaptors are well and connected correctly.
- Check if all the cables (including A/V and CATV cables) are well and connected correctly.
- Check if the transmitter is turned on by remote or tact switch.
- Check if the transmitter is out of range. If so, the transmitter or the receiver needs to be relocated.

6.2 Interference in picture or sound

- Check if there is any interference radio frequency source near your place such as microwave oven and cordless phone.
- Check if there is any other 2.4GHz wireless product working near your place such as WLAN, Bluetooth wireless products. If so, switch to a new transmission channel.

6.3 Signal loss (no response) in remote control

- Check if the batteries are well and installed correctly.
- Check if the encoded address of the transmitter and the remote is matched.
- Check if there is interference with the remote.

To set up the encoded address of the remote, please follow the instructions below.

Step 1: Press and hold FUNC button. Do not release it.

Step 2: Select and press a number key (0~9) to store a new encoded address.

Step 3: Restart the transmitter. (Disconnect and then reconnect the power cord.)

Step 4: Press any button on the remote to give commands right after Step 3 is completed (within 5 seconds).

To provide the best technologies products to customers, we reserve the right to change the specifications without prior notice.

User Information

This device complies with part 15 of 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.

The FCC require the user to be notified that any changes or modification made to this device that are not expressly approved by BEYOND BROADBAND NETWORKS, INC.may avoid the user' s authority to operate the equipment.

To comply with FCC RF exposure requirement, this device and its antenna must no be co-located or operating in conjunction with any other antenna or transmitter.