GADMEI

WIRELESS A/V TRANSCEIVER

GM2400

User's Manual

GADMEI

4. FAQ and Troubleshooting

■ **Indicator does not light and there is no image**

1. Make sure there is power supply of the transceiver.
2. Change receiver's transmitting channel (refer to operation instruction/ Channel switch).
3. Adjust transceiver's placement (refer to hardware and installation instruction).

■ **Infrared Control Feedback malfunction**

1. Make sure that the connection and installation of the transmitter is correct.(refer to hardware and installation instruction).
2. Please adjust transceiver's antenna and placement (refer to placement of antenna).

■ **image is interfered**

1. Change receiver's transmitting channel (refer to Channel selection).
2. Please adjust transceiver's placement (refer to hardware and installation instruction)

CONTENTS

1. Introduction --1
1.1 Function and Features -----------------------------------1
1.2 Application ---1
1.3 Accessories ---2
1.4 Technical specifications --------------------------------2
2. Hardware and Installation ----------------------------------3
2.1 Transmitter (TXV2400)
Buttons and Rear Panel Instructions -------------------3
2.2 Receiver (TRV2400)
Buttons and Rear Panel Instructions -------------------3
2.3 Placement of Transmitter (TXV2400)-------------------4
2.4 Placement of Receiver (TRV2400) ---------------------6
2.5 Placement of Antenna ----------------------------------6
3. Operation Instruction --------------------------------------7
3.1 Signal Channel Selection -------------------------------7
3.2 Power Switch ---7
3.3 Channel Selection --------------------------------------8
3.4 Infrared control feedback ------------------------------9
4. FAQ and Troubleshooting --------------------------------10

Thanks for use GADMEI GM2400 wireless A/V transceiver!
In order to use our product more conveniently, please read this manual carefully.

FCC Notification:

This device complies with Part 15 of the FCC Rules.
operation is subject to the following two conditions:
❶ This device may not cause harmful interference, and
❷ This device must accept any interference received,including interference that may cause undesired operation.

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

3.4 Infrared Remote Feedback

GM2400 wireless AV transceiver doesn't need specified remote, but it has infrared remote feedback function. When emitting source came from set-top box (STB), DVD, video camera with remote function, remoter come with these equipments can be used directly on the receiver (TRV2400), while you don't have to operate the remote control of the AV equipments.

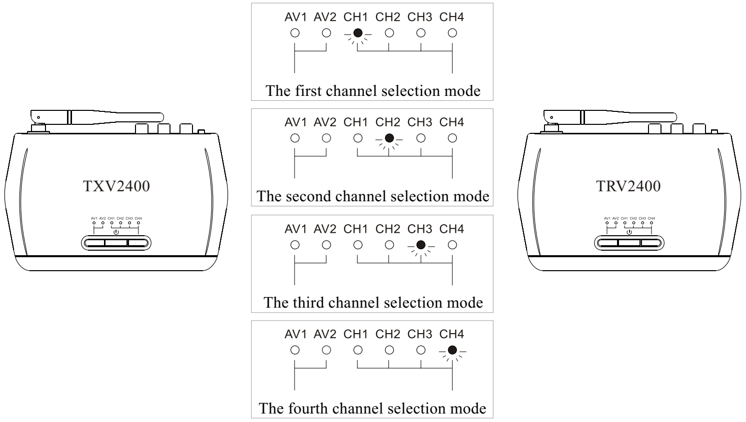
Step one:
Refer to connecting installation picture, connect transmitter (TXV2400), and confirm there are no barriers between transmitter's infrared window and infrared receiving window of program source.

Step two:
When enjoying programs from receiver (TRV2400), point remoter to remote receiving window of the receiver, then you can control AV equipments, which is easy and convenient for operation.

Tips:
Please pull 433 Mhz antenna of transmitter and receiver as straight as possible, and keep it far away from AV cables,to ensure no interference to signal transmission. In case of infrared remote malfunction, please check antenna's placement on condition that there is no placement problem with the transceiver.

3.3 Channel Selection

Four transmission channels of 2.4GHz can be switched freely by pressing channel switch button. But only when the transceiver is in the same channel can video signals be transmitted normally. Panel indicator light for each channel selection mode goes as below:



The first channel selection mode

The second channel selection mode

The third channel selection mode

The fourth channel selection mode

Tips:

Please select Channel one or four, to avoid signal interference by wireless local area network (LAN),when there is LAN(802.11 or WiFi) in your family.

1. Introduction

GM2400 wireless A/V transceiver consists of Transmitter (TXV2400) and receiver (TRV2400). It adopts advanced 2.4GHz wireless transmission technology, with strong anti-interference and mobility. When used in conjunction with set-top box, DVD, VCD and etc, it can be installed easily, subject to no space limitation and without any use of wire connection. It can make audio and video transmitting easily available in every room at home, letting you enjoy HIFI audio and video freely at every corner at home.

1.1 Function and Features

- There are 4 channels, and the frequency scope ranges from 2.400GHz to 2.483GHz;
- In order to increase the flexibility and reliability, we prepare four selectable channels (2.414GHZ, 2.432GHz, 2.450GHz, 2.468GHz);
- 2.4 GHz wireless transmitter and receiver with 4 selectable channels (Tact Switch)
- Compatible with AV output equipments such as video recorder, video camera, digital camera and digital set-top box
- 433MHz infrared remote returning transmission, fully compatible with remote control of DVD/VCD/ digital et-top box
- Strong infrared emission, no need to install infrared emission extension cord
- Received image is clear and stable, with bright color, and stereo sound
- Support NTSC/PAL system video and stereophonic audio transmission
- Complete hardware design, no need to install software, plug and play, easy and convenient

1.2 Application

- A/V to A/V wireless transmission, can be used when many televisions share one DVD/VCD or one digital set-top box and etc.
- Video conference system in large conference room, and multimedia teaching in classroom.
- Connect to pick-up head for monitoring;can be used in security systems.
- Building and industry monitoring system, long-distance custody of children and patient .
- Places where construction is difficult or cost is high.

1.3 Accessories

Transmitter (TXV2400)---1pcs
Receiver (TRV2400) ---1pcs
Power adapter--2pcs
AV cable---2pcs
MMI AV cable---1pcs
User's Manual--1pcs

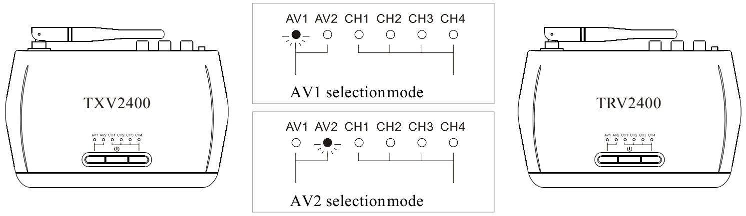
1.4 Technical specifications

Power input: DC5V⎓200mA
Video Input: 1Vp-p (PAL/NTSC)
Audio input: ≤1.5Vp-p(dual track)
Video output: 1Vp-p (PAL/NTSC)
Audio output: ≤1.5Vp-p(dual track)

3. Operation Instruction

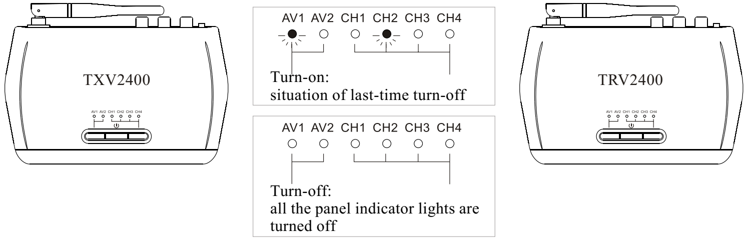
3.1 Signal channel selection

AV1/AV2 can be switched freely by pressing source button (Please check hardware instruction for AV1/AV2 input terminal description), and the signal can be normally transmitted only when transceivers are in the same channel. When you switch AV1/AV2 at receiver (TRV2400), transmitter (TXV2400) will automatically switch signal channel according to your operation. The situation of panel indicator light is as follows;



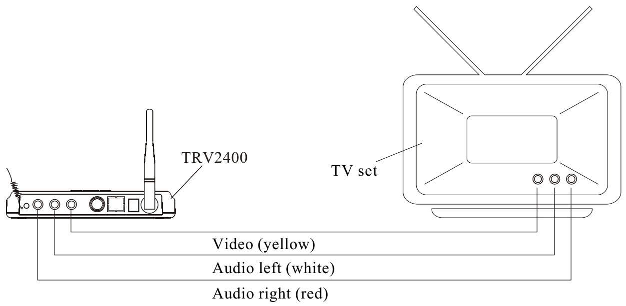
3.2 Power switch

Press ⏻ to connect or cut off power of 2.4GHz transmitter or receiver, switching its operation mode of transmission or non-transmission . The panel indicator light of switch flash as follows;



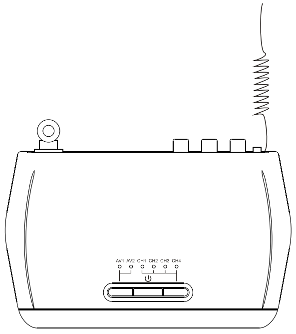
2.4 Placement of receiver (TRV 2400)

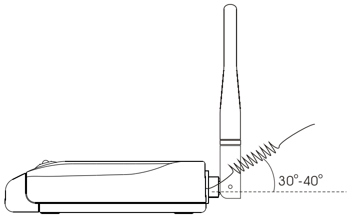
Please place receiver (TRV2400) beside the TV set, turn it on and connect AV cables according to relative colors (yellow,white and red).



2.5 Placement of antenna

Please pay attention to the placement of 433MHz antenna, ensuring there is no barriers around it. The barrier of metal will bring very bad influence to the infrared signal. Please straighten the antenna and place it according to following ways.



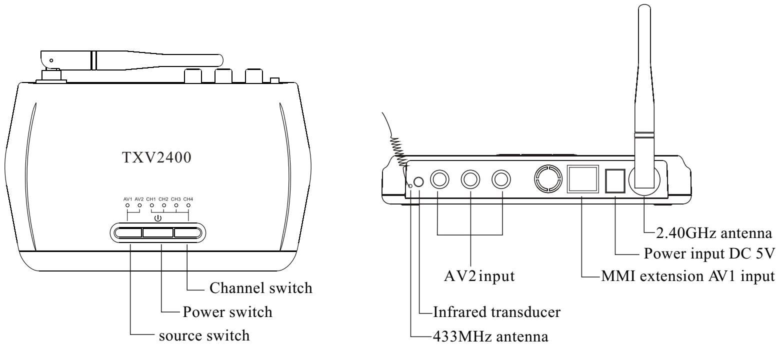


Tips:

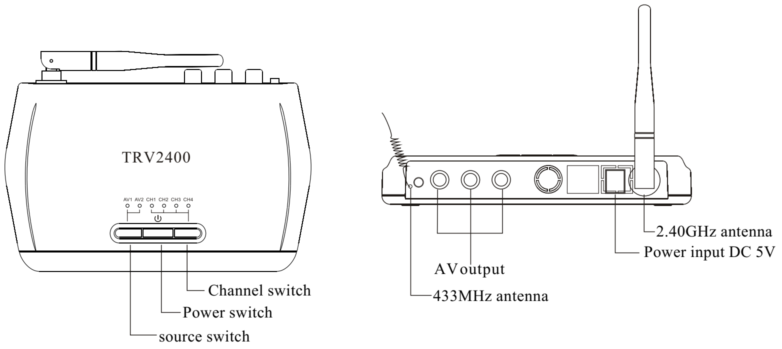
The 2.4GHz antenna and 433MHz antenna of receiver and transmitter shall be correctly placed, or else it is easy to inference normal transmission of signal.

2. Hardware and Installation

2.1 Transmitter (TXV2400) Buttons and Rear Panel Instructions



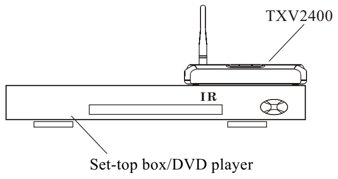
2.2 Receiver (TRV2400) Buttons and Rear Panel Instructions

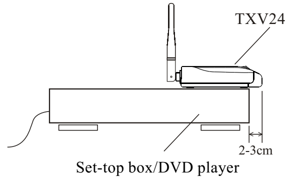


2.3 Placement of Transmitter (TXV2400)

For normal transmission, please place the transmitter(TXV2400) in the following two ways:

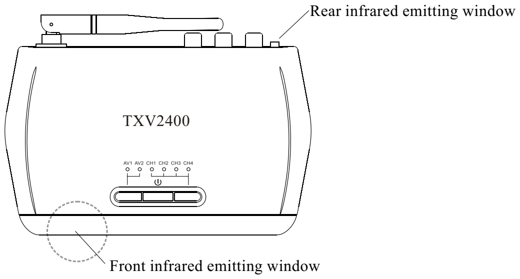
Ⓐ **Use infrared emitting equipment at the front of Transmitter:** place the transmitter(TXV 2400) on top of AV equipments and keep a distance of 2-3cm between the edge of transmitter and the edge of AV equipments as the right picture. Point it to the infrared receiving window of AV equipments.



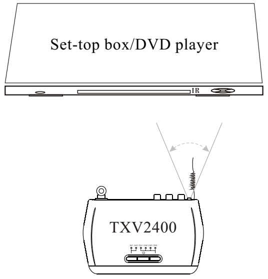


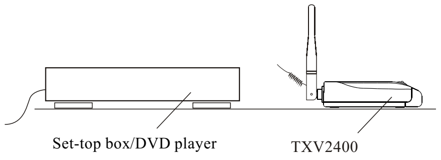
Tips:

- There are words like "infrared remote control" or "IR" on the infrared remote receiving window of set-top box (STB) or DVD, please point transmitter's infrared emitting window to it.
- There are infrared emitting windows at the front and rear side of TXV2400, as the picture:



Ⓑ **Use infrared emitting equipment at the back of transmitter:** place transmitter in front of AV equipments, and point the infrared emitting window on the back of the transmitter the infrared receiving window of AV equipments. Make sure there are no barriers between them.





Tips:

To ensure optimal effects, this positioning method is recommended when condition allows.