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# FlyImage 2000+

## User Manual

Shanghai Fullband Technologies Co., Ltd.

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The Fullband's Quality Guarantee

# **Federal Communication 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 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.

### **RF Exposure:**

To comply with FCC RF exposure compliance requirements, the antenna used for this transmitter must be installed to provide a separation

distance of at least 20cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

**FCC Caution:** To assure continued compliance, (example-use only shielded interface cables when connecting to computer or peripheral devices). Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

# 1. Introduction

## 1.1 Overview

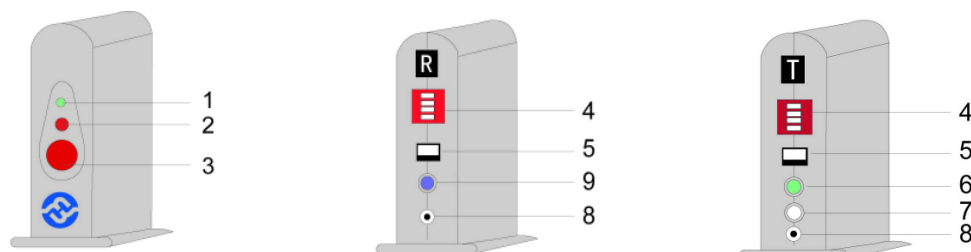
Adopting the advanced 2.4GHz wireless transmission technology, FlyImage 2000+ is interference resistant and can be moved freely in the certain distance. PAL and NTSC format are available. Remote control the A/V sources with IR Extender; its applications are wide ranging. By using our product you can easily realize the wireless transmission from A/V to A/V, and watch your favorite TV programs or listen to hi-fi stereo quality sound at any time.

## 1.2 Key Features

- FlyImage2000+ has four selectable channels (2.414GHz, 2.432G, 2.450GHz, 2.468G Hz), so as to enhance flexibility and reliability
- Transmitters and receivers can work either in pairs on the same channel, or one transmitter sends signals for several receivers to receive simultaneously and accurately, just like a wireless video broadcast equipment, or in the multiple-to-multiple mode on different channels (each transmitter uses one channel, supporting up to 4 channels of audio and video transmission with no interference occurring)
- 2.4 GHz wireless transmitter and receiver with 4 selectable channels (Tact Switch);
- Full channels receive, applicable to receive CATV and radiovision signals
- PAL D/K and PAL I ,PAL B/G ,NTSC M/N video format available
- Support NTSC or PAL video and stereo audio transmission
- Remote control with 433MHz infrared signals
- Clear, stable and colorful received images; clear received voices with no noises
- The range of wireless transmission can be extended up to 100 m in open places
- Built-in antennas of 2.4GHz to enable a compact structure with beautiful appearance
- Plug and Play Implemented all in hardware, no need to install any software, easy to handle, eliminate laborious wiring

## 2. Package

### 2.1 One Unit of Transmitter and receiver



Front Panel

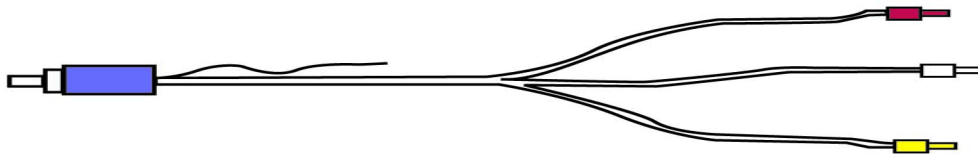
Transmitter back panel

Receiver back panel

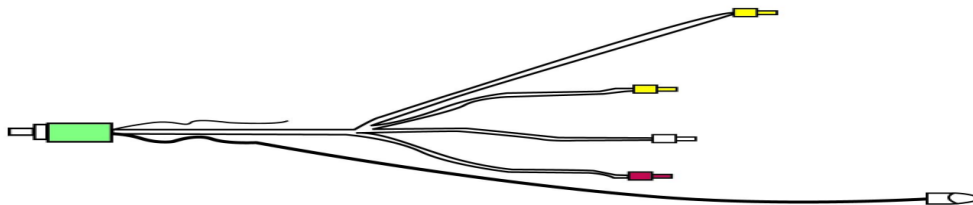
1、Signal light, 2、Power light, 3、IR receiver, 4、4 Channel switch, 5、Power switch, 6、Av signals input/output, 7、RF signals input, 8、DC Power in, 9、Av output

### 2.2 Two units of A/V composite cables

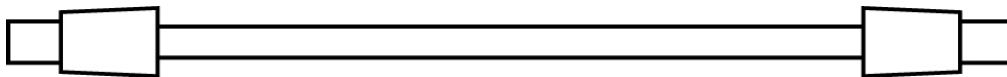
A. For receiver: To connect receiver and A/V displays such as TV



B. For transmitter: To connect transmitter and A/V signals, such as DVD, TV Tuner-Box



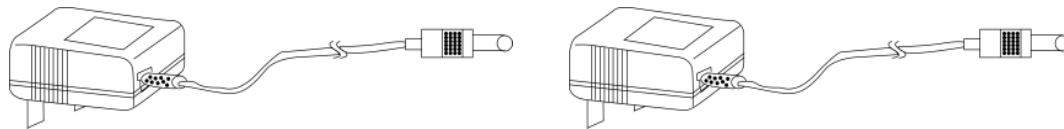
### 2.3 One CATV connecting cable



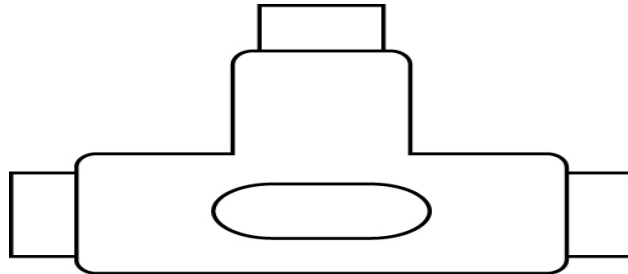
### 2.4 One unit of TV signals channel-choosing remote control



### 2.5 Two units of power adaptors



## 2.6 One unit of CATV connecting cable



## 2.7 One book of direction

Note: Please contact the sales in the shop where you buy the product, if the above-mentioned parts are missing or in damage.

# 3. Functions

## 3.1 A/V wireless transmitter & receiver and TV signals tuner receive and wireless transmit

FlyImage 2000+ can directly input composite video and stereo audio signals into transmitter so as to transmit wirelessly. The receiver directly output the signals to the A/V display equipments (TV etc.) after receiving them. PAL and NTSC formant can be supported.

Flyimage 2000+ can directly receive CATV or TV antenna signals from the transmitter to tune the TV signals and receive TV programs. The transmitter decomposes the TV signals into composite video signals and stereo audio signals so as to wireless transmit. The TV signals input support PAL D/K and PAL 1, PAL: B/G, NTSC M/N.

## 3.2 TV-channel controller

Designed for Flyimage 2000+, the TV-channel controller has functions as follows:

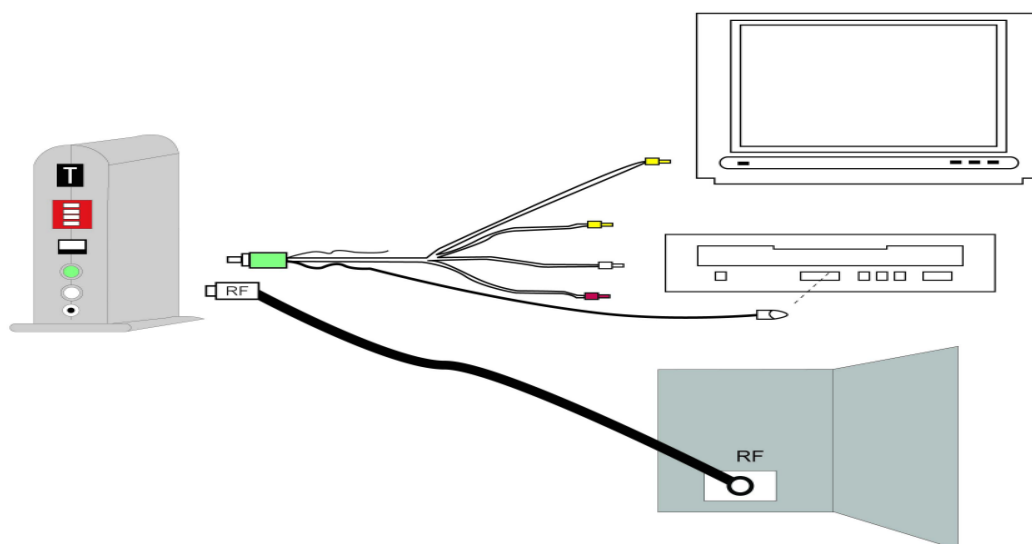
- Search Channels: Automatically search for and save available channel
- AV/TV: select Video Output; TV signal input or A/V signal input
- Numbers 0-9: channel number keys, single/double key selection to choose your channel
- 10+: switch for single digit and double digit channel
- Channel+: channel numbers +, per keystroke channel number+1
- Channel-: channel numbers -, per keystroke channel number-1
- Signal Tuning+: adjust channel signal frequency to best visual effect, frequency+
- Signal Tuning-: adjust channel signal frequency to best visual effect, frequency-
- Back: Back to the prior channel
- Audio PAL / NTSC: for PAL switch for D/K, G, I
- Video PAL / NTSC: switch for signal PAL or NTSC

## 3.3 Remote control A/V sources with IR Extender

- Put the A/V cable's IR transmission head aiming at the IR Extender of equipments you wants to control (A/ V source: DVD, VCD, STB etc.)
- At the side of Receiver, you only need to handle the remote controller (A/ V signal source: DVD, VCD, STB etc.) aiming at the IR Extender of Receiver, and then you can remote control any A/V sources at different place.

## 4. Installation

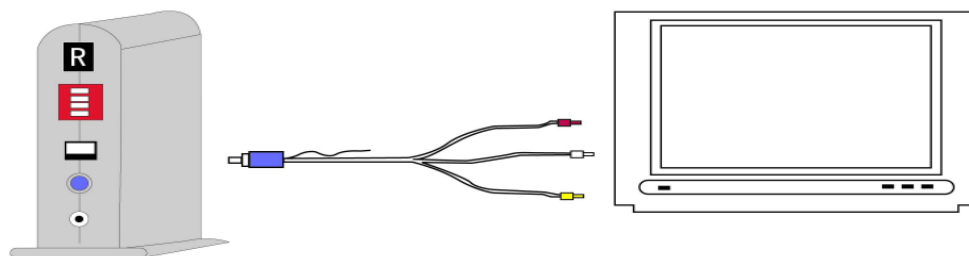
### 4.1 Transmitter



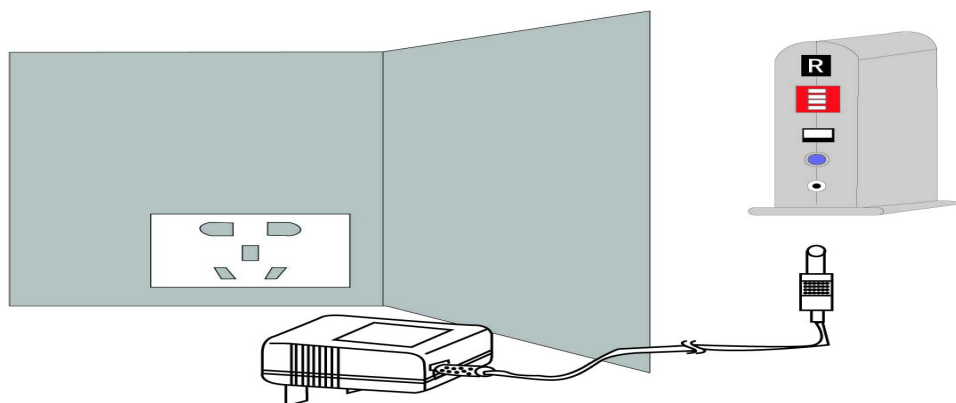
AV signals origin conclude: VCR, DVD, Satellite Receiver, TV Tuner-box.

### 4.2 Receiver

Connect the receiver to the displays(such as TV) by A/V composite.



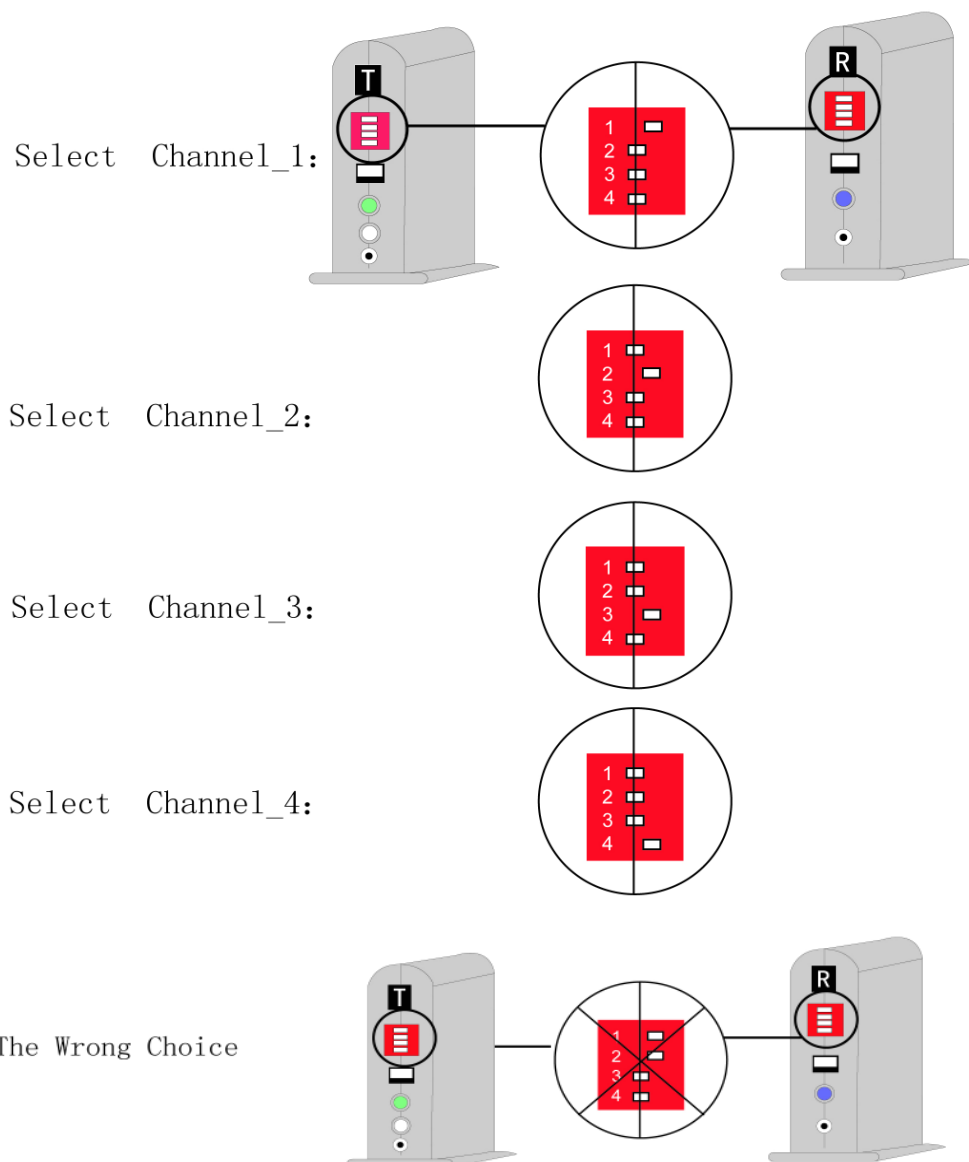
### 4.3 Power adaptor





## 5. Operations

### 5.1 Select channels



**NOTE:** There are 4 channels, but only one channel can be in the state of “on”, While the rest three should be on “off”

5.2 Turn on the VGA and A/V source of Transmitter and the A/V display of receiver

5.3 Turn on the powers

5.4 Using for the first time, the settings is default before leaving factory. The product is in TV state, PAL formant. You can adjust them according to your actual usage by using the appropriative remote device. You need to search for and save available channels renewedly. By doing this, you can get the perfect visual effect of the TV programs.

5.5 Enjoy the high quality A/V entertainment thatFlyImage 2000+ brings to you

## 6. Trouble Shooting

## 6.1 No Picture or Sound

- Check the adaptor rightly connected.
- Power ON/OFF switch is in right position.
- Check all the cables well and rightly connected.

## 6.2 Interference in the Image and Sound

- Move your Transmitter or Receiver slowly to a best location for your A/V system.
- Shorten the difference between your transmitter and receiver.
- Check whether there is interference such as microwave oven around the receiver.
- If there is interference nearby, try to adjust to the channel which bring to you the best effect
- Check whether the transmitter and receiver select the same channel

## 7.Specification

### 7. 1Transmitter

Dimension: 102D x 41W x 115H (Unit is mm)

Operating Temperature: 0℃--+60℃

(RF) Radio TV signals input: PAL D/K and PAL I ,PAL B/G, NTSC M/N.

A/V signals Input: 1Vp-p 、 support PAL and NTSC format, stereo

2.4GHz wireless transmission: Frequency: 2400MHz—2483MHz

Channel Number: (2414, 2432, 2450, 2468MHz)

Frequency Stability: ±100KHz

Transmitter interface:

- MD6M TO RCA Composite Video Input/Output
- (RF) Radio TV signals input
- RCA left and right track audio input
- +7.5V external direct power, max working current 200mA

### 7.2 Receiver

Dimension: 102Dx41Wx115H Unite is mm

Operating Temperature: 0℃--+60℃

2.4GHz Wireless Transmission: Frequency 2400MHz—2483MHz

Channel Number :4 (2414, 2432, 2450, 2468MHz)

Antenna: dipole

Frequency Stability: ±100KHz

Receiver Interface:

- MD6M TO RCA Composite Video output
- RCA left and right track audio output
- +7.5V external direct power, max working current 200mA

### 7.3 Power adaptor

Input AC range: 100V~~~240V, 50/60Hz, 0.2A

Output DC range: +7.5V 600mA

## IMPORTANT SAFETY INSTRUCTIONS

1. All the safety and operating instructions should be read before the product is operated.
2. The safety and operating instructions should be retained for future reference.
3. All warnings on the product and in the operating instructions should be adhered to.
4. All operating and use instructions should be followed.
5. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for the cleaning.
6. Do not use attachments not recommended by the products manufacturer in case they may cause hazards.
7. Do not use this product near water----for example, near a bath tub, wash bowl, kitchen sink, and laundry tub, in wet basement, as well as near a swimming pool etc.
8. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.
9. This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type or power supply to your home, consult your product dealer or local Power company. For products intended to operate from battery power, or other sources, refer to the operating instruction.
10. Power supply cord should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, or other sources, refer to the operating instructions.
11. For added protection for this product during a lightning storm, or it is left unattended for long periods of time, unplug it from the wall outlet and disconnect cable system. This will prevent damage to the product due to lightning and power line surges.
12. Never push objects of any kind into this product through openings as they may

touch dangerous voltage points or short out parts that could result in a fire or electronic shock. Never spill liquid of any kind on the product.

13. Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result on a risk of fire or electric shock.

14. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions.

- When the power-supply cord or plug is damaged.
- If liquid have been spilled, or objects have fallen into the products.
- If the product does not operate normally by following the operating instructions, adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore this product to its normal operation.
- If the products has been dropped or damaged in any way.
- When the product exhibits a distinct change in performance –this indicates a need for service.

15. When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or that have the same characteristics as the original part. Unauthorized substitutions my result in fire, electric shock, or other hazards.

16. Upon completion of any service or repair to this product, ask the service technician to perform safety checks to determine that the product is proper operating condition.

17. The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products including amplifiers that produce heat.