

FLY Image 5000

**2.4G Wireless (VGA to TV) Audio/Video
Transmitter and Receiver**

VGA to TV with REMOTE

User's 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, 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

Fly Image 5000 is a new product we put on the market, which has powerful functions integrating the features of our series wireless transmission products. Adopting the advanced 2.4GHz wireless transmission technology, it is interference resistant and can be moved freely in the certain distance.

By using Fly Image 5000, you can get access to Internet, surfing on Internet, or order any online movies on TV or any monitor for displaying. Matched with wireless IR remote controller (the combination of keyboard & mouse), you can control the television in the living room while using your computer in the sanctum simultaneously. It is a great breakthrough in family entertainment, since it realizes the resources sharing indeed and is different from the traditional applications.

1.2 Key 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); Multiple-operation models: one-to-one (1Tx to 1Rx) on the same channel; one-to-multiple (1Tx to nRx) on the same channel; multiple-to-multiple(nTx to nRx) on up to 4 channels work simultaneously at the same area.

Pal and NTSC video format available

The refresh rate and max resolution of VGA input is up to 150Hz and 2048x1546 respectively;

Support the conversion from VGA to VIDEO, video and audio as well as stereo transmission in the form of PAL and NTSC;

Remote control PC 、 A/V sources with 433MHz IR Extender

Clear and sharp images video and stereo audio quality output from the receiver

The effective distance of wireless transmission is within 300 feet in open areas.

Working temperature ranges from 0 C to + 60 C

Compact Size and 2.4GHz RF module antennas of transmitter and receiver are embedded in the housing

No software is required

Control PC on TV with the remote control combining keyboard and mouse

FCC and CE certified ; Patent number : DI03-1055-XC26

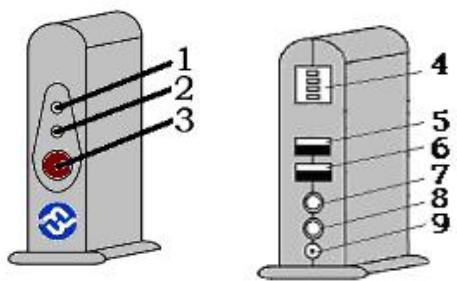
Compatible with Camcorder or COMS camera application

Receiver wirelessly accept VGA/Video/audio signals from transmitter and output connected to TV, LCD TV monitor, PDP TV, VCR, Digital Video recorder, video projector, speaker, or any device with video/audio input Transmitter can be connected to VGA card and sound card of any PC, and wirelessly transmit video/audio signals to receiver long range away.

2. Check Package before use

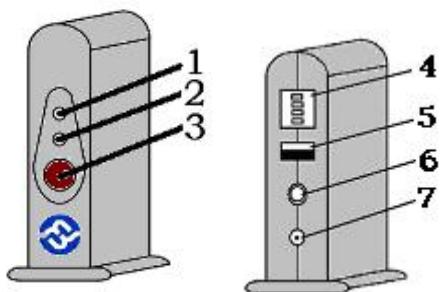
2.1 One Unit of Transmitter

(Transmits from VGA TO AV with 2.4GHz radio frequency) :



1. Signal light
2. Power light
3. IR Extender
4. 4 Channel selection
5. AV/VGA switch on and off
6. Power
7. AV out
8. VGA input
9. Power in

2.2 One Unit of Receiver



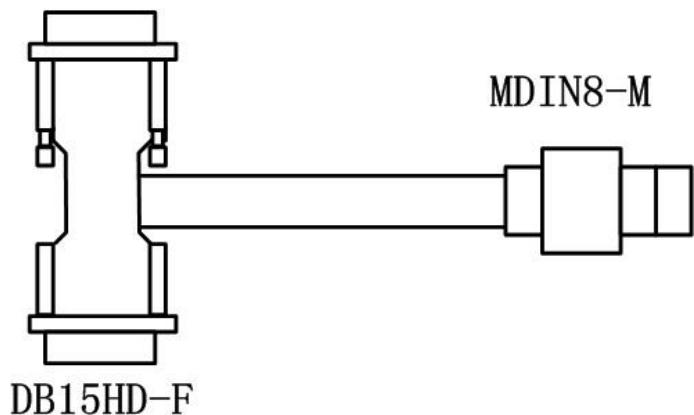
1. Signal Light
2. Power Light
3. IR Extender
4. 4 channel selection
5. Power switch
6. A/V out
7. Power in

2.3 A remote controller with the function of converting from VGA to Video



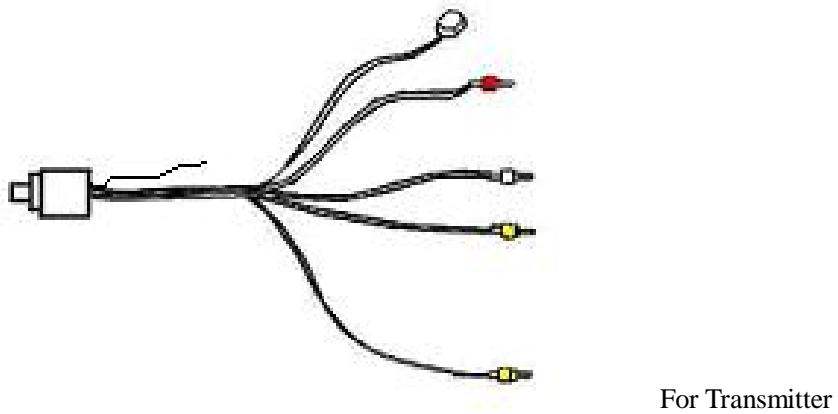
2.4 One unit of T-shaped VGA bypass: HDB15M TO HDB15F/MD8M

DB15HD-M

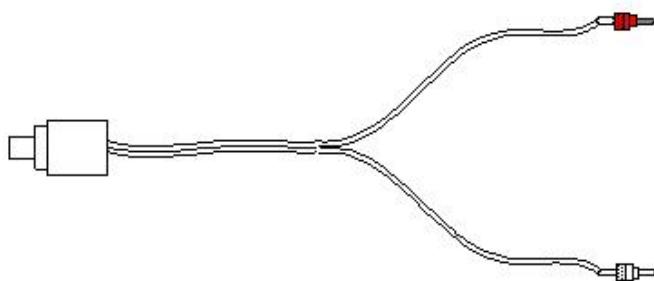


2.5 Two units of MD6M TO RCAM A/V cables

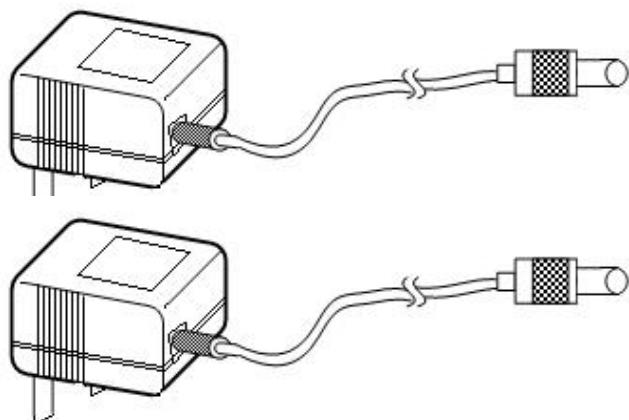




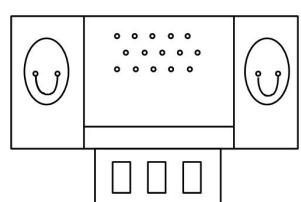
2.6 One unit of DC3.5M TO RCAF*2Audio cables



2.7 Two units of Power Adaptors



2.8 75 load



2.9 Book of Direction

2.10 One set of wireless IR Keyboard&Mouse



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

3. Function

3.1 VGA TO VIDEO

3.2 2.4GHz wireless A/V transmitter and receiver

Through the built in antenna, Transmitter wirelessly sends the A/V signals to Receiver for displaying on any TV.

3.3 IR Extender (433MHz)

A: Remote control PC or the A/V sources.

- Put the IR launch head of AV cable of Transmitter in front of the equipment's IR extender you want to control (A/V sources: DVD, VCD, Set top box)
- With the remote controller of the equipment you want to control facing the IR Extender of receiver (A/V sources: DVD, VCD, Set top box), you can control the facility in different place.
- Enlarge the application and overcome the limitation-----control the equipment only in face of it.

B : VGA TO Video

- IR remote controller should face the receiver's IR Extender when you operate it.

Reposition : Back to the original state

Save : Save the current setting

Magnify : Divide the full screen into 4 parts, magnifying each part 2 diameters one by one.

Static catch function

Color bar : Standard audio color bar output

Formats : PAL and NTSC formats available

Zoom the screen : Zoom the full screen frame directionally after the conversion from VGA TO Video

Move the screen : move the outputted full screen after the conversion from VGA TO Video (4 navigation direction)

Zoom the picture : Making the outputted full screen unchanged after conversion from VGA TO Video , zoom the picture (4 navigation direction)

Move the picture : Move the picture after magnify it (4 navigation directions)

Contrast : Adjust the outputted Contrast after the conversion from VGA TO Video

Brightness : Adjust the outputted Brightness after the conversion from VGA TO Video

Color : Adjust the outputted Color after the conversion from VGA TO Video

Gray : Adjust the outputted gray after the conversion from VGA TO Video

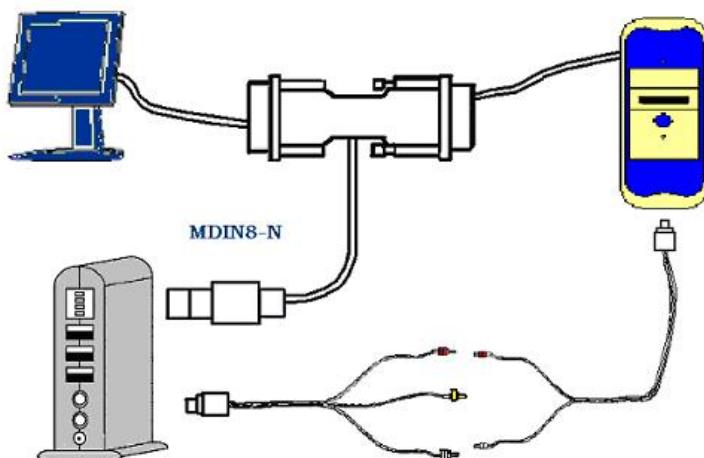
4. How to Connect

Transmitter

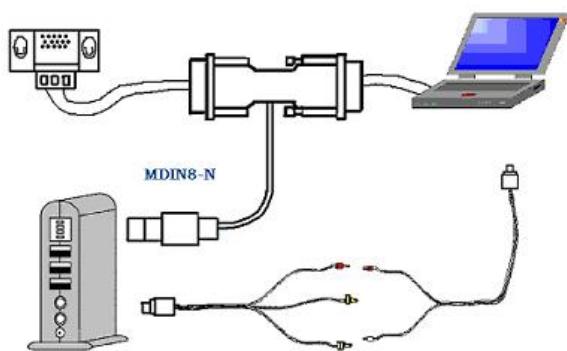
A: PC as A/V source

4.1 Connect PC's VGA to sender's VGA with the T-shaped VGA cable; Connect PC's audio output to sender's A/V input with A/V cable and DC3.5 audio cable, as picture X illustrates:

Connect to PC

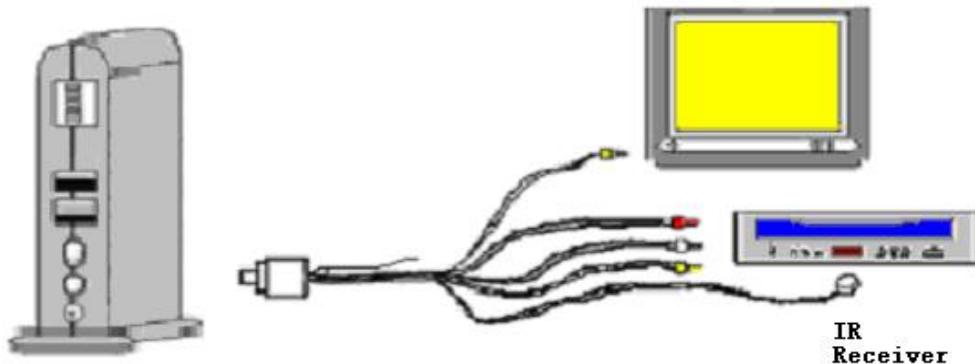


Connect to Notebook



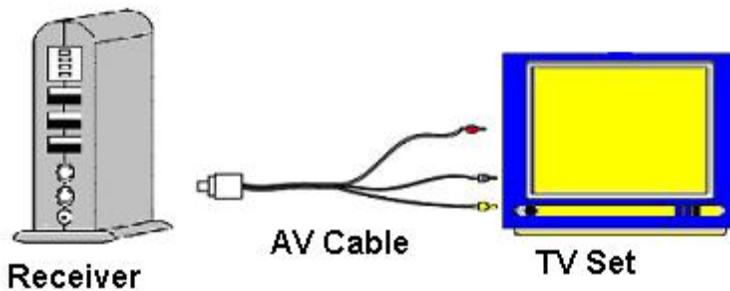
VCD & DVD as A/V source

Connect DVD's A/V out to Transmitter's A/V in with A/V cable:

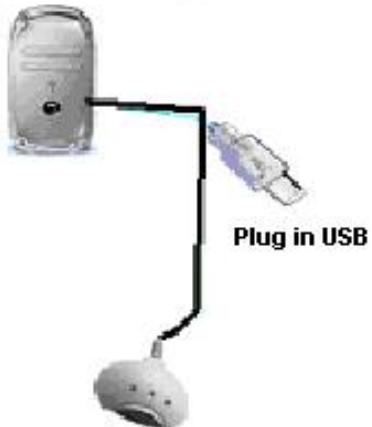


Receiver

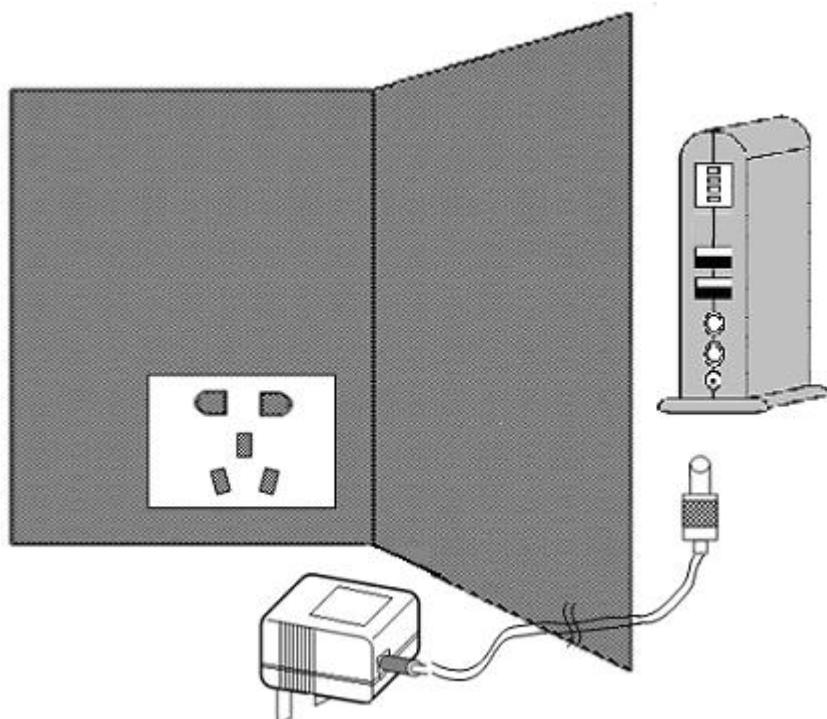
4.2 Connect receiver to TV with the A/V cable



4.3 Connect wireless IR Keyboard&Mouse with PC Box

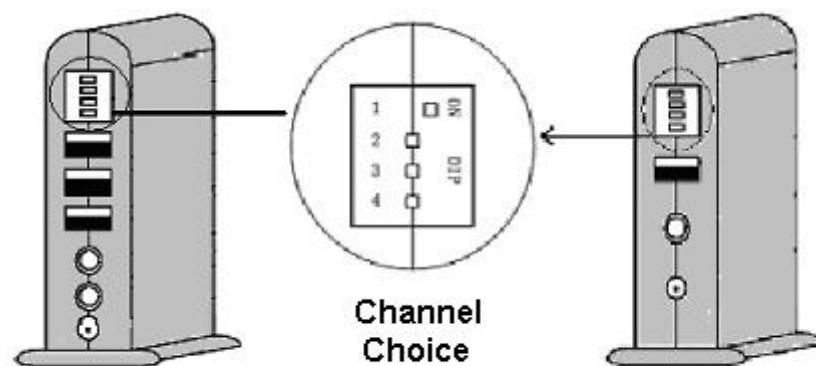


4.4 Plug into the power outlet using attached adaptor



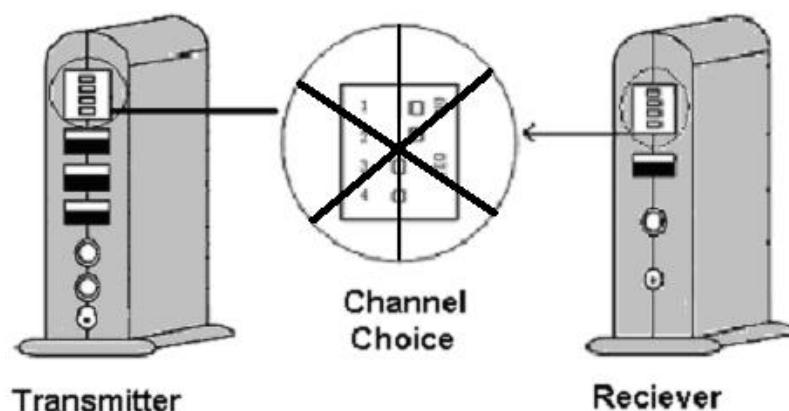
5. Operations

5.1 Adjust channels



Transmitter

Reciever



Transmitter

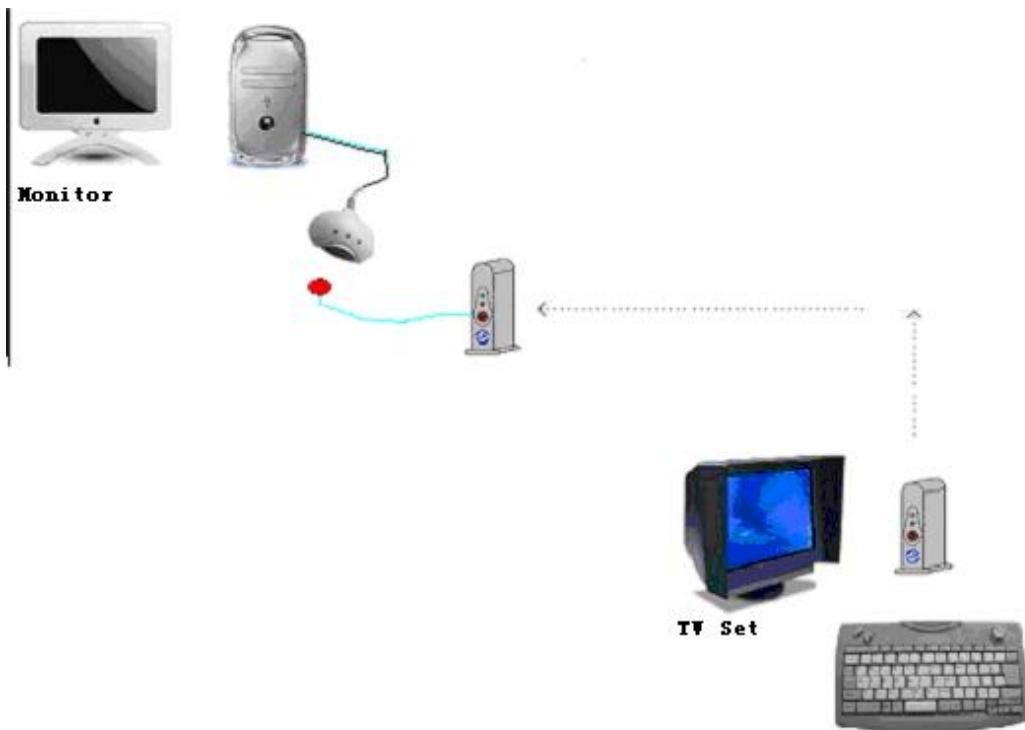
Reciever

NOTE : There are 4 selection channels , but in the use of it, only one channel can be in the state of “on”, While the other 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 power

5.4 Long Distance Remote



5.5 Enjoy the high quality A/V entertainment Fly Image 5000 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 Whether the output choosing key is in correspondence with VGA or A/V in
- NTSV/PAL video format
- Check all the cables well and rightly connected.

6.2 Interference in the Image and Sound

- Move your Sender or Receiver slowly to find a best reception position for your A/V system.
- Shorten the difference between your sender and receiver.
- Check whether there are such interference as microwave around your receiver.
- Check whether your sender and receiver are in the same channel

7. Specification

7. 1 Sender

Dimension : 100Dx40Wx155H Unite is mm
VIDEO Input Level : 1Vp-p 、 75、 support PAL and NTSC formant
AUDIO Input Level : 1Vp-p、 stereo
Antenna : Dipole
Operating Temperature : -10 --+60
VGA TO VIDEO :
The Highest distinguish rate: Smallest : 640 X 400
biggest : 2048 X 1536
The highest refurbish rate : 150Hz
VIDEO Output Formant : PAL and NTSC formant
2.4GHz wireless transmission : Frequency 2400MHz—2483MHz
Channel Number 4 (2414 , 2432 , 2450 ,
2468MHz)
Frequency Stability: +-100KHz

7.2 Receiver

Dimension : 100Dx40Wx155H Unite is mm
Operating Temperature : -10 --+60
VIDEO Output Level : 1Vp-p 、 75、 Support PAL and NTSC formant
AUDIO Output Level : 1Vp-p、 Stereo
Antenna : Dipole
2.4GHz Wireless Transmission : Frequency 2400MHz—2483MHz
Receiver Sensitivity -85dBm
Channel Number :4 (2414 ,2432 ,2450 ,2468MHz)
Frequency Stability: +-100KHz

Shanghai Fullband's mission is “bring the high-quality product to our customers”

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, and the like.
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

form 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.

Shanghai Fullband-Tech Co., Ltd has the final say.

Distributor:

Name: _____

Guarantee Period: _____

The Date of deliver: _____

Address: _____

Tel: _____

Contact Person: _____

Distributors signature and chop: _____