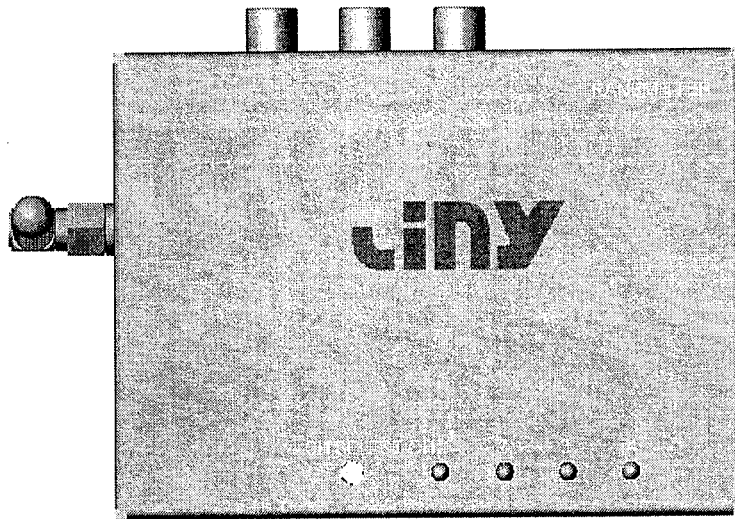


FCC ID: 07FAVST01

USER'S MANUAL



ARFA Technology Inc.

Website <http://www.arfatech.com>

INSTRUCTIONS MANUAL
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:

To assure continued FCC compliance:

- (1) Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

FCC Label Compliance Statement:

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.

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I . Introduction

Federal Communications Commission (FCC) Notice

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 when the equipment is operated in a residential installation. This equipment generates, use, and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual 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 technical for help.

Notice: Any unauthorized changes or modifications not expressly approved by the partly responsible for compliance could void the user's authority to operate the equipment.

Company Profile

Arfa Technology was founded in October 1999 in Taiwan. With the corporate goal of "Wireless Total Solution", ARFA has embarked on R&D, manufacturing, and marketing of wireless consumer and multimedia communication products.

Product Overview

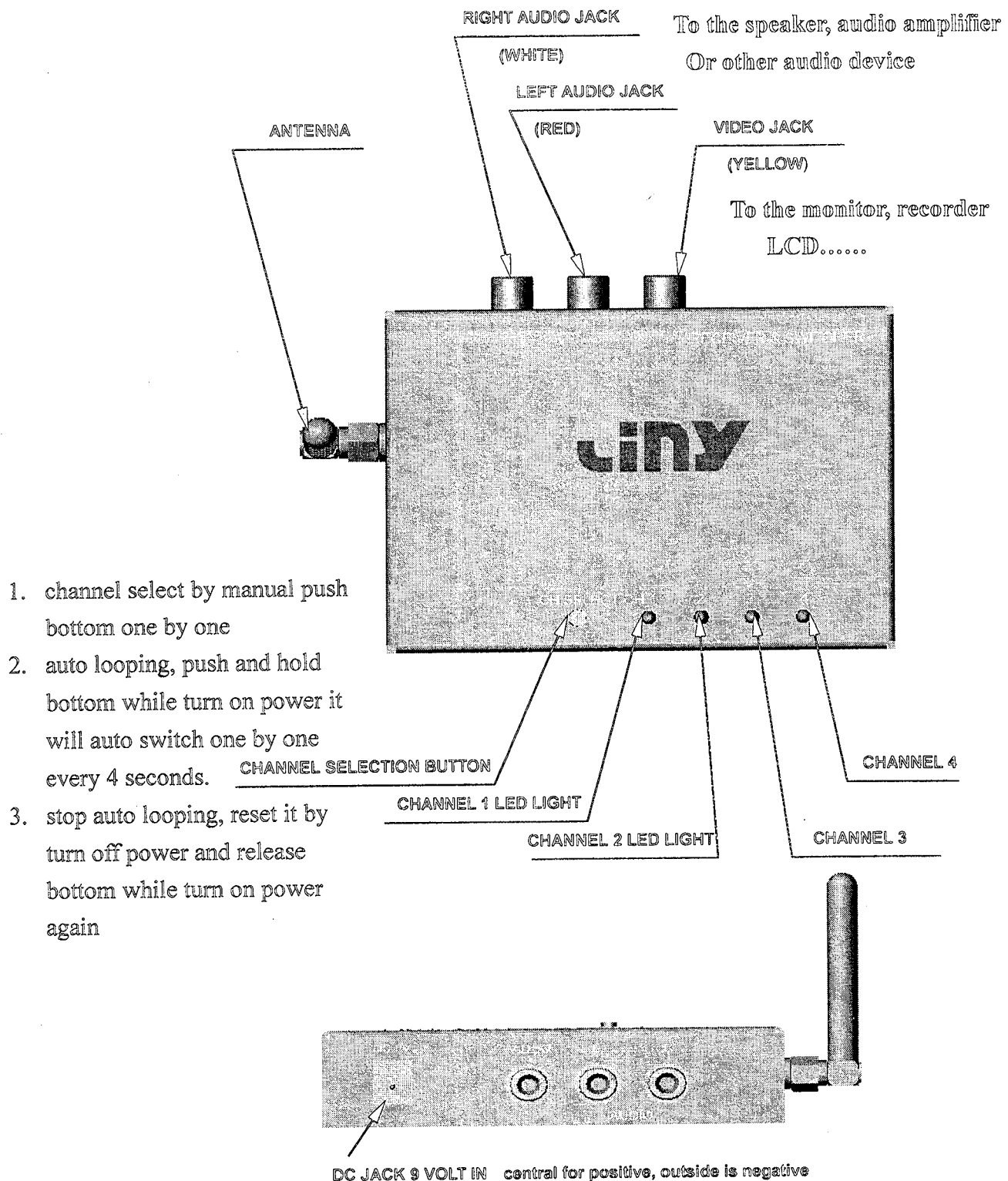
This product makes A/V connections easier!!

With four channels, one receiver can receive four different types of A/V signals simultaneously.

Get rid of all the running wires, this product transmits 2.4GHz signals from any place at home or office to another one.

II. CONTROLS AND FEATURES

RECEIVER & SWITCHER



III.FAQ & Troubleshooting

Frequency Asked Questions :

1. Why do I see some fading images on TV when I am using the product?

Answer : Fading image is normal if people move between transmitter and receiver. Therefore, we strongly suggest users place the receiver as high as possible to avoid this situation.

2. Is there any influence when using This product in a RC building and in a SRC building?

Answer : Basically, steel materials would absorb the wave, as a result, This product's transmission range will be shorter. Therefore, users have to try to shorten the transmission distance between two units. However, in a RC building, the transmission situation would be better.

3. How do I select channel to avoid interference?

Answer :If you are using only onset of transmitter and one receiver, you just need to choose the same channel for the transmitter and receiver. If you are using two sets of units very closely, you should let one set on the channel 1 and another set on the channel 3 or one set on the channel 2 and another set on the channel 4. The basic principal is to let two sets not on the continuous two channels.

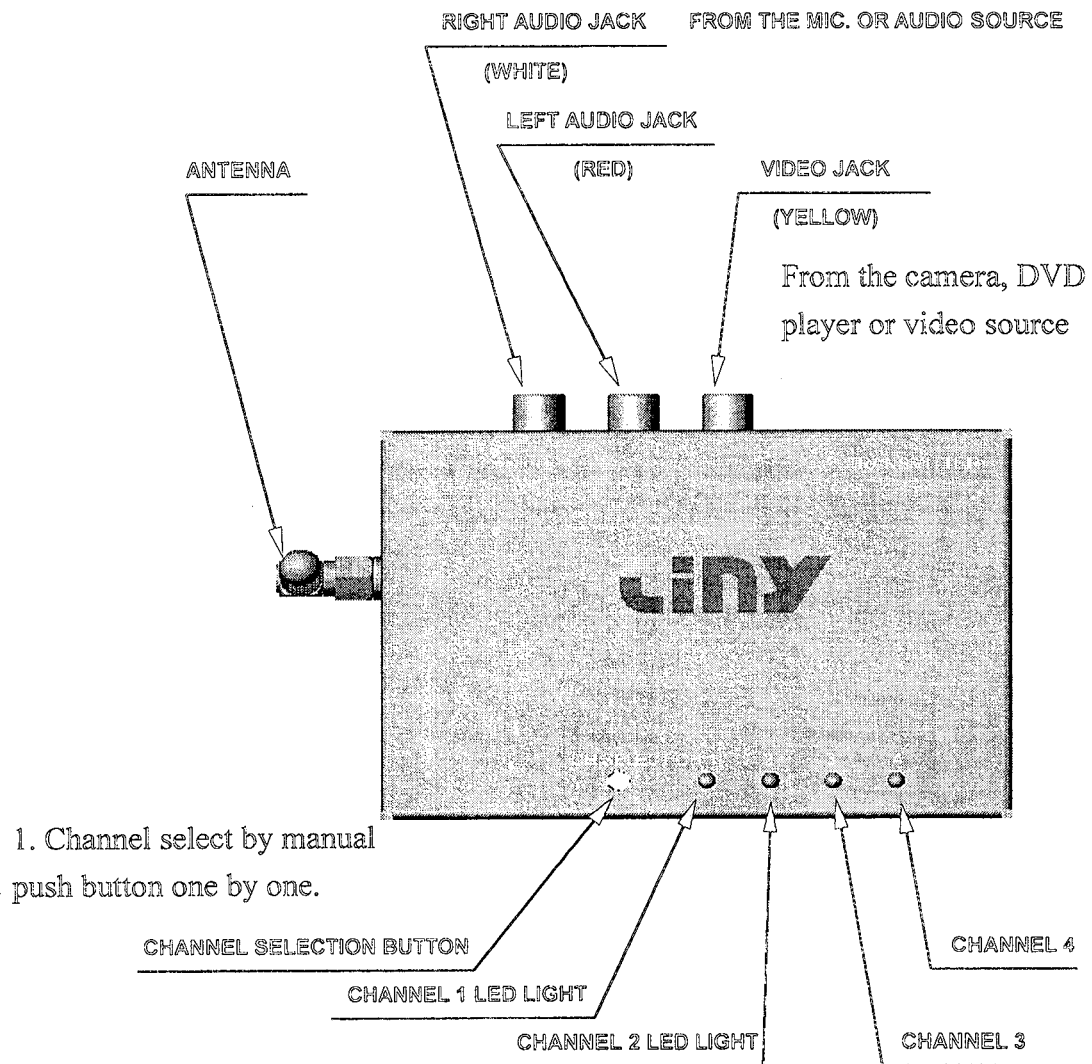
Troubleshooting :

If you have difficulties after a careful installation, please refer to the following table. It will help you solve the problem.

<i>Problem</i>	<i>Solutions</i>
<i>No images and sound</i>	<i>1. Check the power switches on the transmitter and receiver. 2. Check the power switches on the TV and video sources. (DVD,VCD,LCD,Satellite Receiver,etc.) 3. Check all cable connections.</i>
<i>Interference: Noisy images and sound</i>	<i>1. Adjust transmitter and receiver antenna orientation. 2. Make sure transmitter and receiver have been set to the same channel. 3. Change a different channel on both transmitter and receiver. 4. Turn off the micro wave oven, if you are using.</i>

CONTROLS AND FEATURES

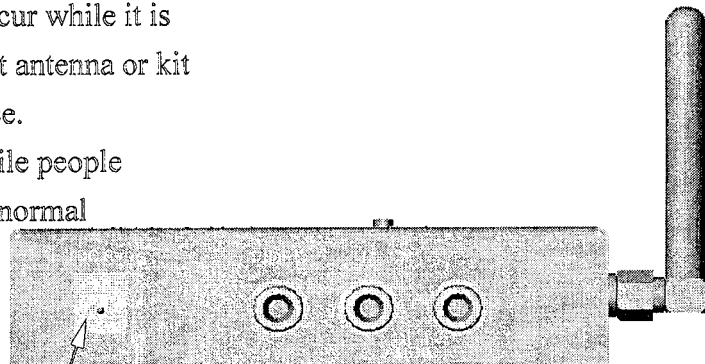
TRANSMITTER



1. Channel select by manual push button one by one.

2. If there is noise occur while it is working please adjust antenna or kit for better performance.

3. If fading occur while people walking pass by it is normal condition.



DC JACK 9 VOLT IN
Central for positive,
Outside for negative

◆ APPLICATION & FEATURES:

ARFA Technology's 2.4GHz A/V Sender uses FM modulation technology to provide ISM band wireless audio and video connection. Multi channels are specially designed to enhance the function of automatic channel switching as well as digital PLL and μ P Technology. Patch antenna improved connection distance up to 200m.

- **The major applications can be the followings:**

- Wireless Audio/Video Communication.

- Wireless Security System.

- **The features are:**

- Compact Size

- Multi Channel.

- Low Power Consumption.

ELECTRICAL SPECIFICATION:**TX : AVST-01**

ITEM	SPEC	REMARK
Frequency	2414 ~ 2468 MHz	
Tx Power	10dBm	Typical
Channel Number	4	2414,2432,2450,2468MHz
Frequency Stability	± 100 KHz	Typical
Video Input Level	1Vp-p	Typical
Audio Input Level	1Vrms	Typical
Supply Voltage	9V	
Power Consumption	0.5W	Typical
Antenna	Patch Antenna	
Dimension (mm)	11Dx9Wx5H	Unit is cm
Operating Temperature	0 ~ 60 ° C	

RX : AVSR-01

ITEM	SPEC	REMARK
Frequency	2414 ~ 2468 MHz	
Rx Sensitivity	-80dBm	Minimum
Channel Number	4	2414,2432,2450,2468MHz
Lo Stability	± 100 KHz	Typical
Video Output Level	1Vp-p	Typical
Audio Output Level	1Vrms	Typical
Supply Voltage	9V	
Power Consumption	1W	Typical
Antenna	Patch Antenna	
Dimension	11Dx9Wx5H	Unit is cm
Operating Temperature	0 ~ 60 ° C	