

PBI Wireless AV-LINK

User's Manual

— PBI —

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Introduction

PBI Wireless AV-LINK is composed by one Transmitter AVL-T1 and one Receiver AVL-R1. With a bijou, exquisite figure, AV-LINK adopts 2.4GHz frequency (This frequency is fully open to the usage of medical and scientific experiments internationally) to transmit audio and video, NTSC or PAL format TV signals, it can get through the walls, floors, and other firm obstacles! The valid transmitting distance is up to several hundred meters (in open areas). Because of adopting the special structure design belongs to PBI's intellectual property patent, you can plug & play easily and connect it to the AV signals wirelessly transmitted from the satellite receiver, DVD, VCD, projectors and multimedia computers...etc. It's the most efficient and

the best choice of home entertainment, small monitoring, nursing systems.

Warning

Please read this manual clearly before you install and use this product! Any loss caused by mis-installment and mis-use, will not be the manufacturer's and the agents' responsibility!

Maintenance must be done by the professional technicians. Do not open the cover. Do prevent it from the humidity, rainfalls and water.

Special Announcement of AV-LINK

This product is specially designed for home AV entertainment, although it can be used in video conference, multimedia computer, baby nursing.. etc., it should not be used in any of the following

applications:

1. Life maintenance system ;
2. Disaster monitoring system ;
3. All sorts of the guidance system ;
4. Any application might cause injuries and property losses.

Before using, users should have a careful analysis and assessment of the possible related or extraneous mistakes when using it, and should have an understanding of the related regulations, safety and ethical responsibility. The manufacturer and the agents will not be responsible for any of the compensation caused by those mentioned above.

This product is restricted to the following situations , users should operate it according to the corresponding manuals of the special places.

1. Places restricted by laws ;
2. In the hospital, airport and aircrafts. ;
3. Patient and baby assistant monitoring ;
4. Nearby the microwave oven ;
5. When interfere with other communication products.

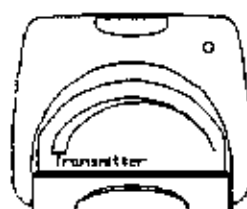
Contents of Delivery

Open the package please, and check the accessories in the packing box, there should be the following items. If not, please contact the supplier as soon as possible directly.

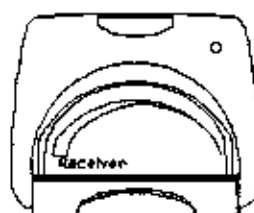
- | | |
|---|------|
| 1. AVL-T1 Transmitter | x 1; |
| 2. AVL-R1 Receiver | x 1; |
| 3. 220V or 110V AC/12V DC Power Adaptor | x 2; |
| 4. 3.5mmø AV Cable | x 2; |
| 5. User's Manual | x 1; |
| 6. Warranty Card | x 1. |

AV-LINK Figure Description

AV-LINK includes an AVL-T1 transmitter and an AVL-R1 receiver.

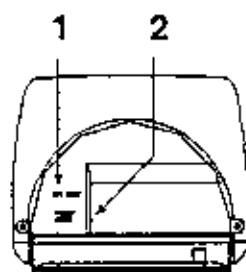


AVL-T1

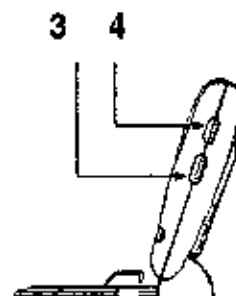


AVL-R1

Specific Description :



Back view



Side view

1. Power Jack: Connect to the power adaptor, and through the adaptor, convert the local power from 110V AC or 220V AC to 12V DC for the use of AV-LINK;
2. AV Jack: Connect to 3.5mmø AV cable ;
3. Channel Switch: You can choose the channel to transmit

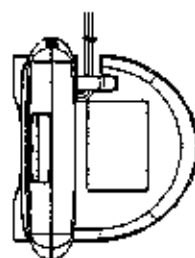
(channel chosen by Transmitter should be the same with Receiver):

4. Power Switch: Power on or off the Transmitter or Receiver.

Connecting AV-LINK



The back side



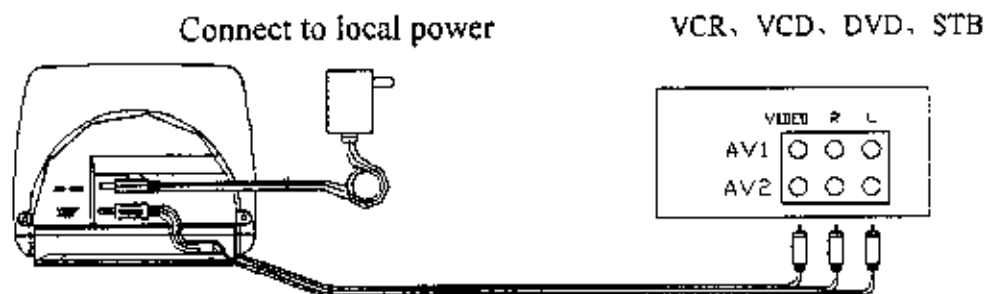
The upper side

1. Please pick out the power adaptor and 3.5mmø AV cable from the box, and stretch them straight.

2. Pick out the Transmitter and Receiver, then face to the back of AV-LINK, pull out the base then seize the power cord and 3.5mmø AV cable into the concavity on the base.
3. Plug the power cord into the power jack of Transmitter and Receiver.
4. Plug 3,5mmø AV cable into the stereo phone jack of Transmitter and Receiver.
6. Stretch straight the power cord and the 3.5mmø AV cable.

AV-LINK Connecting Picture

A. Transmitter AVL-T1



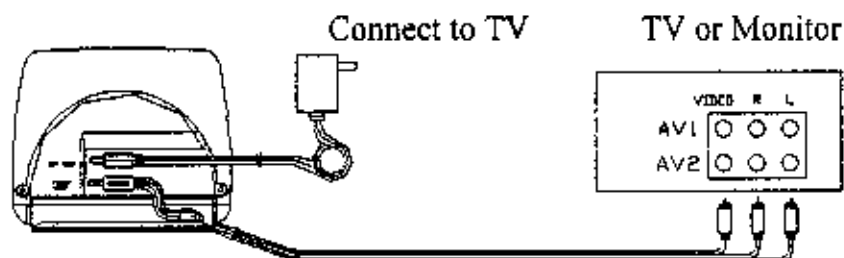
1. Please turn the power switch of the Transmitter AVL-T1 to OFF

2. Pick out one 3.5mmø AV cable, then connect it to the AV jack specified by the word "Video/Audio" on the downside of Transmitter AVL-T1's back, and the other end of RCA connector, please connect separately to the AV output instruments you want to connect (for example, VCR, VCD, DVD, satellite receiver..). Please note that the color of these three RCA connectors should correspond with those jacks of the AV instruments (in other words, the AV signals input from Transmitter AVL-T1 should correspond with the AV signals provided by AV signal instruments).
3. Pick out a piece of the power adaptor (Please note if the local power supply meets the spec. of the power adaptor! The output voltage of Transmitter AVL-T1 is 12V DC.) Then, plug the output connector of the power adaptor into the power jack at the back of

Transmitter AVL-T1 and plug the input of the power adaptor into local power jack (110V or 220V AC).

4. Turn on the power switch of the Transmitter AVL-T1, then select a channel as transmitting channel.

B. Receiver AVL-R1



1. Please turn the power switch of Receiver AVL-R1 to OFF.
2. Pick out one 3.5mmø AV cable, then connect the end with four

connectors of it to the AV jack specified by the word "Video/Audio" of the downside of the Receiver AVL-R1back. The other end of RCA connectors, please connect separately to the AV output instruments you want to connect (for example, VCR, VCD, DVD, satellite receiver). Please note that the color of these three RCA connectors should correspond with those jacks of the AV instruments (in other words, the AV signals input from the Receiver AVL-R1 should correspond with the AV signals provided by AV signal instruments).

3. Pick out a piece of the power adaptor (please note if the local power supply meets the spec. of the power adaptor! The output voltage of Receiver AVR-T1 is 12V DC.) Then, plug the output connector of the power adaptor into the power jack at the back of

Receiver AVL-R1 and plug the input of the power adaptor into local power jack (110V or 220V AC).

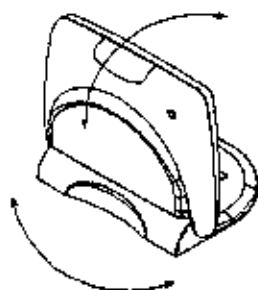
4. Turn on the power switch of the Receiver AVL-R1, and select a channel as receiving channel.

Adjustment of AV-LINK



1. The front side of Transmitter AVL-T1 is a patch antenna for transmitting, and the one of Receiver AVL-R1 is for receiving! At an open area without any obstacles, put the Transmitter AVL-T1

and the Receiver AVL-R1 vis-à-vis, and you will get a better signal reception.



Technical Parameters

Transmitter AVL-T1

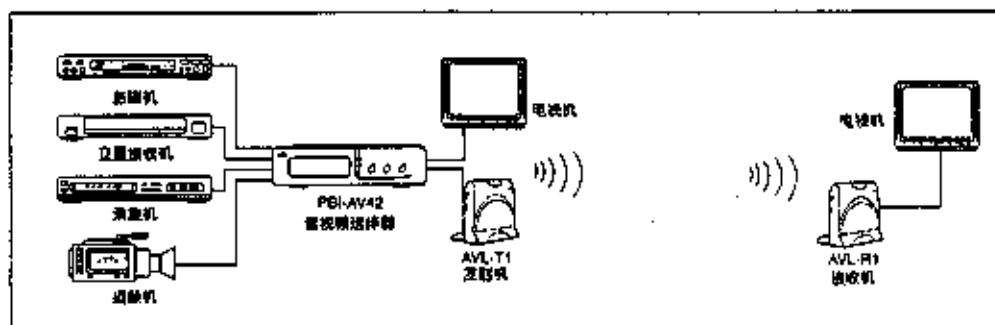
Transmitter Frequency:	2.4 to 2.4835 GHz
Transmitter Power:	0 dBm (FCC), (Model: VS 100T) +10 dBm (CE), (Model: VS 100TA)
Transmitting Range:	100 meter (FCC) 300 meter (CE)
Transmitting Antenna:	Directional Patch Antenna
A/V Modulation:	FM
A/V Input Interface:	3.5mmØ phone jack
Video Input Level:	1 Vp-p (Max), 75 Ohm
Audio Input Level:	1 Vp-p (Max), 10k Ohm

Channel:	3 channels (adjustable)
Power Supply:	12V DC, 150mA (Max)

Receiver AVL-R1

Receiver Frequency:	2.4 to 2.4835 GHz
Receiver Sensitivity:	-90 dBm
Receiver Antenna:	Directional Patch Antenna
A/V Output Interface:	3.5mmØ phone jack
Video Output Level:	1 Vp-p (Max), 75 Ohm
Audio Output Level:	1Vp-p (Max), 10k Ohm
Channel:	3 channels (adjustable)
Power Supply:	12V DC, 350mA (Max)

AV-LINK Typical Application



PS: Because of the patch antenna, you have to adjust the direction of Transmitter and Receiver accordingly when using AV-LINK.