

FITNESS --- CINEMA

OPERATION MANUAL

BROADCASTVISION

5126 CLARETON DR., #160, AGOURA HILLS, CA 91301
PHONE (818) 879-9780 • (800) 770-9770 • FAX (818) 879-9790

TECHNICAL ASSISTANCE

For Technical Assistance Contact::

Telephone (818) 879-9780

(800) 770-9770

Fax (818) 879-9790

Technical Support Hours:

9:00 AM to 5:00 PM Monday thru Friday PST.

Write To:

BROADCASTVISION™

5126 Clareton Drive, Suite 160

Aguora Hills, CA 91301

Notice

Due to the advancement in technology, BROADCASTVISION reserves the right to make changes in the specifications, hardware, packaging and any accompanying documentation without prior written notice.

BROADCASTVISION is a registered trademark

© 1998 BROADCASTVISION LLC, All Rights Reserved

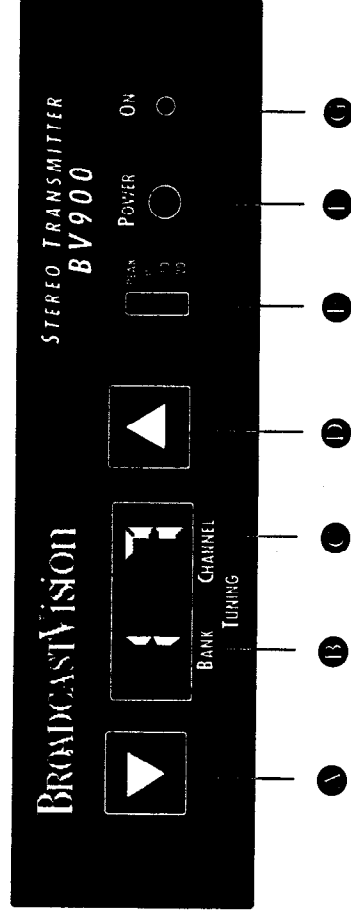
INTRODUCTION

Congratulations on purchasing the BROADCASTVISION™ Fitness Cinema wireless entertainment system. Fitness Cinema allows listeners to enjoy up to 32 television and music (CD, cassette, satellite music) selections at a touch of a button. Listeners plug Fitness Cinema headphones or any portable lightweight headset to the Fitness Cinema wireless receiver attached to the cardio equipment and enjoy crystal clear hi-fidelity sound.

Fitness Cinema BV900 transmitter will transmit an average of 35,000 square feet and can be easily attached to any TV mount or can sit on top of any music component.

The Fitness Cinema cardio receivers attach easily to exercise equipment with the supplied wire ties. Many leading brands of cardio equipment are Fitness Cinema ready or it can be plugged into a standard 110AC.

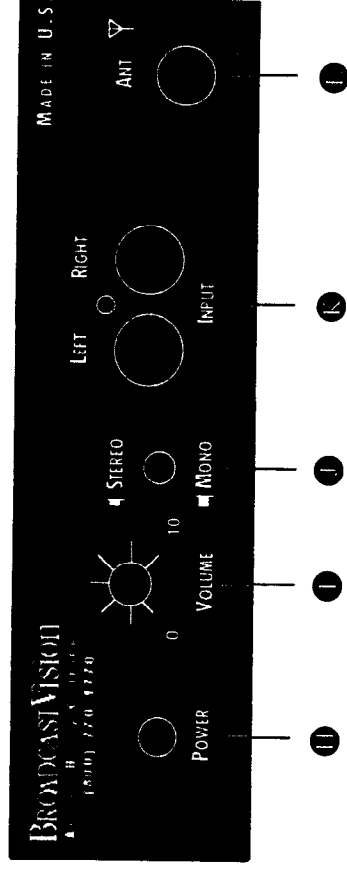
BV900 FRONT PANEL LAYOUT



FRONT PANEL FUNCTION DESCRIPTIONS

- 1 Select Down Button
- 2 Bank Display
- 3 Channel Display
- 4 Select Up Button
- 5 Audio Level Indicator
- 6 Power Button
- 7 Power On Indicator

BV900 BACK PANEL LAYOUT



BACK PANEL FUNCTION DESCRIPTIONS

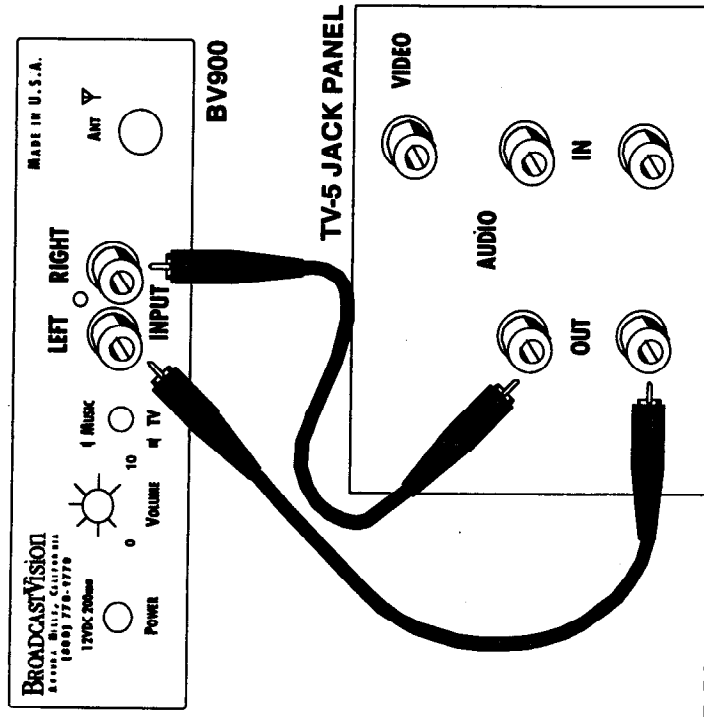
- 1 Power Supply Input Jack
External power supply 12VDC 200MA.
- 2 Audio Level Control
- 3 Stereo/Mono Switch
- 4 Left & Right Audio Input Jacks
- 5 Antenna

CONNECTING THE BV900 TRANSMITTER TO TELEVISION OR MUSIC COMPONENT

1. Plug 12 volt power supply to a standard 120 volt ac outlet and connect to rear of unit (H).
2. Connect the supplied audio patch cable from the **audio output** jack on the back of the television to the left and right input jacks (K) on the rear of the BV900. After you have connected and set the BV900, **turn TV speakers off** by either manual on/off switch on TV or select "speaker off" feature accessed through TV menu (refer to TV owner's manual). The **audio level control (I)** allows you to adjust input volume should you need more level. For example; VCR's/CD's have a fixed level output and might require more volume, while most TV's have a variable volume output and are adjustable by the television remote control. Adjust the volume level (I) until the audio level display (E) reaches the yellow LED for 0dB. **Turn TV volume up** to a comfortable listening level. TV volume must be turned up at least half way to maximum.

To connect the BV900 to a music component, connect the supplied audio patch cable to the left and right audio output jacks.

TV HOOK UP DIAGRAM



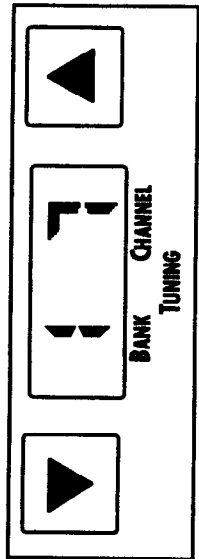
IMPORTANT!

Audio Output Jack Required on TV

1. Hook up audio cable (provided) from Audio Output on TV and connect other end to the BV900 Left and Right Input (K).
2. Turn TV speakers off by either manual on/off switch on TV or select "speaker off" feature accessed through TV menu (refer to TV owner's manual). Turn TV volume up to 75% or to reach desired audio level.
3. Turn Volume up on the BV900 until the yellow LED on the Audio Level Display meter is flashing.

SELECTING
TRANSMITTER CHANNELS

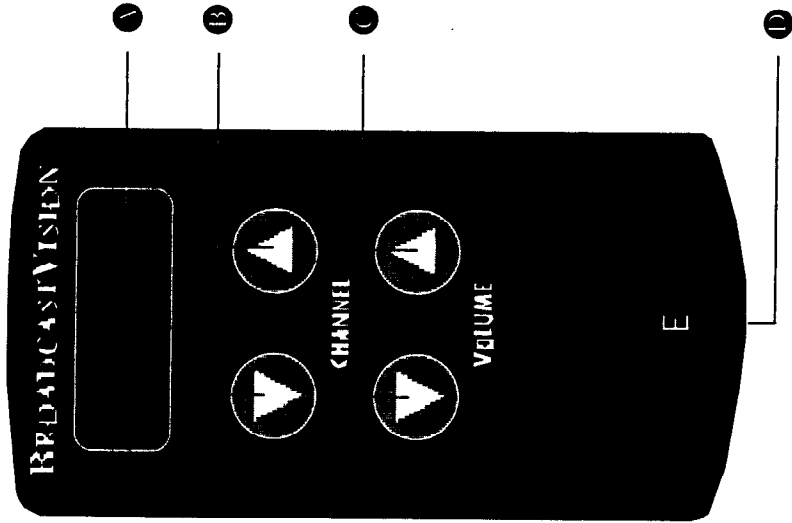
FITNESS CINEMA
CARDIO RECEIVER PANEL LAYOUT



You are now ready to select the transmitting channels. The transmitter consists of 4 banks with 8 channels totaling 32 available channels. Please follow the diagram below for setting transmitter channels.

TV or Music Component #		Bank	Channel
1		1	1
2		1	2
3		1	3
4		1	4
5		1	5
6		1	6
7		1	7
8		1	8
9		2	1
10		2	2
11		2	3
12		2	4
13		2	5
14		2	6
15		2	7
16		2	8

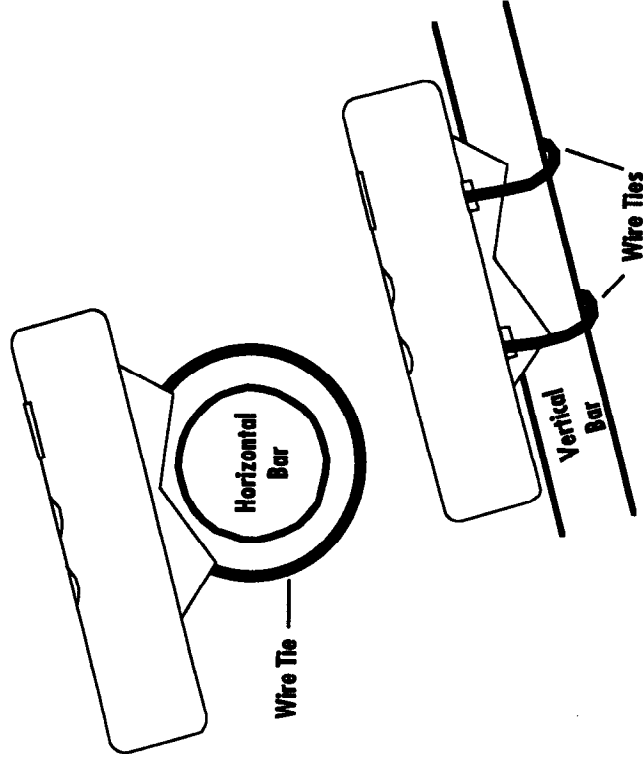
TV or Music Component #		Bank	Channel
17		3	1
18		3	2
19		3	3
20		3	4
21		3	5
22		3	6
23		3	7
24		3	8
25		4	1
26		4	2
27		4	3
28		4	4
29		4	5
30		4	6
31		4	7
32		4	8



FRONT PANEL FUNCTION DESCRIPTIONS

- A Channel Display
- B Channel Select
- C Volume Control
- D Headphone Jack

ATTACHING FITNESS CINEMA CARDIO RECEIVERS



The Fitness Cinema Receiver is designed to attach easily to any vertical or horizontal bar on most cardio equipment.

- Begin by inserting two wire ties through the mounting bracket on the back of the Fitness Cinema receiver.
- Wrap wire ties around the bar and pull until the ties are completely tight and secure so it does not rotate.
- Make sure not to interfere with any equipment displays or control panels.

Note: In the event that the equipment has no available bars or hand rails, the Fitness Cinema receiver mounting bracket can be easily removed with pliers and can be attached with heavy-duty double-stick tape or super-lock velcro to any flat surface.

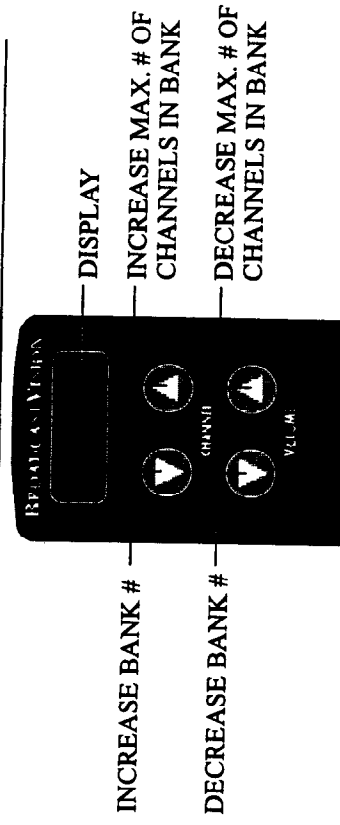
CONNECTING POWER TO FITNESS CINEMA RECEIVERS

IMPORTANT: Many leading brands of cardiovascular equipment are Fitness Cinema ready. Contact BroadcastVision for a list of these manufacturers.

To connect Fitness Cinema receivers to Fitness Cinema ready equipment, simply connect the supplied connector cable from the back of the Fitness Cinema receiver to the C-Safe port on the cardio equipment.

For cardio equipment that does not have the C-Safe Fitness Cinema port, connect the supplied AC adapter to a 110AC outlet.

PROGRAMMING BANKS



To enter the bank programming mode: (1) Unplug the power supply. (2) Hold in the "Volume Down" button (*lower left button on panel*). (3) Plug in the power supply while the button remains pressed.

The display screen will display the bank number on the left side and the channel number on the right side.

The transmitter consists of 4 banks with 8 channels. The factory default setting is: Bank 1 with 8 channels and Banks 2 through 4 with 0 channels. To program the banks, select the Bank by using the buttons on the left side of the panel (*see diagram above*) and then select the total number of channels to be used in that bank using the buttons on the right. Set up each bank with the total number of channels needed in that bank. **For example:** If you are using 8 transmitters, Set Bank 1 to 8 channels and Banks 2, 3 and 4 to 0 channels. If you are using 12 transmitters, Set Bank 1 to 8 channels, Bank 2 to 4 channels, Banks 3 and 4 to 0 channels. Setting the channel number to 0 for a bank turns off that bank and that bank is not used.

To exit the bank programming mode, Hold in the "Channel Down" and "Volume Down buttons together (*two lower buttons on panel*). The Display will flash the programmed settings and then will return to the operating mode.

BV900 SPECIFICATIONS

Input Sensitivity	100mv to 1 volt
Input Impedance	10K ohms
Level Gain Control	-70dBm to +10dBm
Transmission Frequency	912 MHz to 928 MHz
Signal to Noise	-70dBm ref .7 volts
RF Output	1mW
Distortion	<2%
Audio Frequency Response	20Hz to 10KHz
Weight	2 lbs.
Power Requirements	12 VDC 200mA
Dimensions	W: 5.50"
	H: 1.48"
	D: 5.00"

WARRANTY

BROADCASTVISION warrants the BV900 to be free from defects in material and workmanship for a period of three years from date of shipment, provided that the equipment has not been subject to mechanical, electrical, or other abuse or modifications.

BROADCASTVISION warrants the Fitness Cinema receiver to be free from defects in material and workmanship for a period of one year from date of shipment, provided that the equipment has not been subject to mechanical, electrical, or other abuse or modifications.

Should a Fitness Cinema transmitter or receiver not function properly, please call BROADCASTVISION for a return authorization number. **Note: BROADCASTVISION cannot accept returns without an RA number.** BROADCASTVISION will, at their option, repair or replace the equipment after verification of the problem.

Equipment that fails after the warranty period will be repaired at the current price of parts and labor after authorization from the customer. Repairs are warranted for 90 days.

This warranty is in lieu of all other warranties expressed or implied.

NOTE: This equipment has been tested and found to comply with the limits for Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses 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.

The user is cautioned that changes or modifications not expressly approved by the manufacturer of the equipment could void the user's authority to operate the equipment.