



Wireless Entertainment System  
Model xTV-9T Transmitter  
Model xTV-9R Receiver

## Operation Manual

21420-D NW Nicholas Ct #12  
Hillsboro, Oregon  
Sales (800) 227-3461  
Fax (503) 645-9036  
[www.cardiotheater.com](http://www.cardiotheater.com)  
[www.enercise.tv](http://www.enercise.tv)

## FCC NOTICE

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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## **STEP 1: SETTING TRANSMITTER NUMBER / USA & CANADA MODE**

Simply set the left and right dials on the rear of the transmitter to the corresponding numbers below.

Example: For Transmitter #1 set left dial to “0” and right dial to “1”

<b>Transmitter</b>	<b>Left Dial</b>	<b>Right Dial</b>
#1	0	1
#2	0	2
#3	0	3
#4	0	4
#5	0	5
#6	0	6
#7	0	7
#8	0	8
#9	0	9
#10	1	0
#11	1	1
#12	1	2
#13	1	3
#14	1	4
#15	1	5
#16	1	6
#17	1	7
#18	1	8
#19	1	9
#20	2	0
#21	2	1
#22	2	2
#23	2	3
#24	2	4
#25	2	5
#26	2	6
#27	2	7
#28	2	8
#29	2	9
#30	3	0
#31	3	1
#32	3	2

## **STEP 1: SETTING TRANSMITTER NUMBER / AUSTRALIA MODE**

Warning! End user is responsible for following the number chart below for use in Australia. Setting Transmitter dials to any other number than the ones detailed in the chart below may result in fines and or additional punishment by local authorities.

Simply set the left and right dials on the rear of the transmitter to the corresponding numbers below.

<b>Transmitter</b>	<b>Left Dial</b>	<b>Right Dial</b>
#1	0	3
#2	0	4
#3	0	5
#4	1	1
#5	1	2
#6	1	3
#7	1	4
#8	1	5
#9	1	6
#10	2	6
#11	2	7
#12	2	8
#13	2	9
#14	3	0
#15	3	1
#16	3	2

## **STEP 2: CONNECTING TRANSMITTER TO TELEVISION**

**Important: Television with “Audio Output” jack required.**

1. Connect provided patch cable into Left & Right **Audio Output Jack** on rear of TV.
2. Plug other end of patch cable into the Left & Right **Audio Input** jack on rear of transmitter.
3. Plug provided AC adapter into 110 AC outlet.
4. Turn TV Speakers **OFF** via TV menu function.
5. Turn TV volume up at least 50%.
6. Adjust audio level control so red “Peak” light blinks on and off.  
Caution: Turning audio level to high will cause sound distortion
7. Plug headphones into xTV receiver. Match sound level of each TV by adjusting volume of each individual TV.
8. Place corresponding number sign under each TV

## **CONNECTING THE xTV-9T TRANSMITTER TO MUSIC COMPONENT:**

1. Connect provided patch cable into Left & Right **Audio Output Jack** on rear of music component and follow steps 2 through 8 above.

## **STEP 3: INSTALLING RECEIVER**

### **Mounting Receiver**

The Energise xTV Receiver is designed to mount to any make or model of cardio equipment.

1. Insert two nylon wire ties (provided) through the holes in the mounting bracket on the rear of the Energise xTV Receiver.
2. Wrap wire ties tightly around the bar so the receiver does not rotate.

**NOTE:** Do not place receiver where it would interfere with the cardio unit controls or display panel. The xTV Receiver mounting bracket may be removed with pliers and mounted with Super Lock Velcro to any flat surface.

### **Powering Receiver**

Power the xTV Receiver one of two ways:

1. C-Safe Cable: Most cardio manufacturers offer C-Safe compatibility. Connect the Ultra Seal C-Safe cable to the C-Safe port located on cardio unit. (Refer to the manufacturer to locate C-Safe port on cardio unit).

Note: Many CV manufacturers offer C-Safe retrofit kits for older models. Contact your CV manufacturer for availability.

2. 9 Volt AC Adapter: In the event that C-Safe is not available on the cardio unit, use the optional Ultra Seal 9 Volt AC adapter. A standard 110AC outlet is required near the cardio unit.

### **Ultra Seal Connector:**

The exclusive Energise Ultra Seal power connector, found on both Energise C-Safe cables and Energise 9 Volt AC Adapters, prevents sweat or cleaning products, from entering the unit.

1. Insert the connector on the rear of the xTV-R and press firmly around the connector hood to make a complete seal.
2. To disconnect, press tab on bottom side of connector and release.

## **STEP 4: PROGRAMMING xTV-9R RECEIVER**

This function enables the receiver to program the exact amount of transmitters and number them accordingly.

### **Enercise Auto Program Mode (When Using Enercise Transmitters):**

1. To activate program mode, press Volume UP and Down buttons simultaneously for 3 seconds. The number 1 with a decimal point on the left side will pop up in display window
2. Press the EQ button to begin Scanning. Scanning will take about 15 seconds.
3. When Scanning is completed, press channel Up and Down buttons to confirm all transmitters have been programmed.

### **Cardio Theater™ LCS Program Mode (When Using LCS Transmitters):**

1. Press Volume "UP & DOWN" simultaneously for 3 seconds. The number 1 With a decimal point on the left side will pop up in display window
2. Press Channel "UP" button for 2 seconds to select **#2**.
3. Press "EQ" button to begin Scanning. Scanning will take about 25 seconds.

### **BroadcastVision™ 900 Program Mode (When Using BV900 16 Channel Transmitters):**

1. Press Volume "UP & DOWN" simultaneously for 3 seconds. The number 1 with a decimal point on the left side will pop up in display window.
2. Press Channel "UP" button for 2 seconds to select **#3**.
3. Press "EQ" button to begin Scanning. Scanning will take about 15 seconds.

**NOTE: BroadcastVision transmitters must be set to stereo/music mode.**

### **Manual Program Mode (To Add or Delete Channels Manually)**

1. Perform Auto Program scan. Wait for Auto Program sequence to complete.
2. Press Channel UP and Down buttons simultaneously for 3 seconds. The number 1 with a decimal point on the left side will pop up in display window.
3. To activate any channel, press Channel Up or Down button to select desired channel. Press the EQ button to activate channel. A decimal point will pop up on the right side of the number to confirm activation.
4. Press mute button when completed

### **XTV-9T Specifications**

Input Sensitivity	100 to 1 volt
Input Impedance	10K ohms
Level Gain Control	-70 dBm to + 10dBm
Transmission Frequency	912MHz to 928MHz
Signal to Noise	-70 dBm ref .7 volts
RF Output	1 mW
Distortion	<2 %.
Audio Frequency Response	20Hz to 15KHz
Weight	1 lbs.
Power Requirements	12 VDC 200 mA
Dimensions	W: 5.50" H: 1.48" D: 5.00"



## WARRANTY

Cardio Theater warrants the xTV wireless entertainment system to be free from defects in material and workmanship for the following period of time from date of shipment, provided that the products have not been subject to mechanical, electrical, or other abuse or modifications.

Cardio Theater xTV-T Wireless Transmitter	3 Years Parts & Labor
Cardio Theater xTV-R Wireless Receiver	1 Year Parts & Labor
Quick Change Headphone Jack	90 Days

Should the xTV wireless entertainment transmitter or receiver be deemed defective by Cardio Theater, a return authorization number will be issued. **Cardio Theater will not accept returns without a return authorization number.** Cardio Theater reserves the right, at their option, to repair or replace the equipment after verification of defect.

Equipment that fails after the warranty period expires will be repaired at the current price of part 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. 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 unit 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 Cardio Theater or an experienced radio/TV technician for help.

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.

**WARNING:** To Prevent Fire Or Electrical Shock, Do Not Expose This Appliance To Rain Or Moisture.

## **TECHNICAL SUPPORT**

### **Technical Support Numbers**

Telephone USA    (800) 776-6695  
                         (503) 645-8881  
Fax                    (503) 645-9036  
                         UK    +44 (0) 1869-238531

### **Technical Support Hours:**

7:30 AM to 5:00 PM Monday through Friday PST.

### **Write To:**

Cardio Theater Holdings, Inc  
21420-D NW Nicholas Ct. #12  
Hillsboro, Oregon 97124

### **Notice**

Due to continuing advancements in technology, Cardio Theater reserves the right to make changes in hardware, packaging, and any accompanying documentation without prior written notice.

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