

CARDIO *Theater*[®]

Wireless Entertainment System

Operation Manual

Model xTV-9T Transmitter
Model xTV-9R Receiver



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xTV9 Receiver CXXTV9RAMAN-101
xTV9 Transmitter CXXTV9TMAN-101

TABLE OF CONTENTS

FCC Warning.....	2
Step 1: Setting Transmitter Number	
USA & Canada Mode	3
Australia Mode.....	4
Step 2: Connecting Transmitter to TV.....	5
Step 3: Installing The Receiver	6
Step 4: Programming The Receiver.....	8
Specifications	9
Warranty	10
Technical Support	11

FCC Compliance Statement

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.

WARNING: To Prevent Fire Or Electrical Shock, Do Not Expose These Appliances To Rain, Moisture, or Excess Heat.

STEP 1: SETTING TRANSMITTER NUMBER / USA & CANADA MODE

Set the left and right dials on the rear of the transmitter, using the supplied adjustment tool, to the corresponding numbers below.

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



tool

Adjustment

Transmitter	Left Dial	Right Dial
#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.

Transmitter	Left Dial	Right Dial
#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 A TELEVISION

The Transmitters incorporate an Automatic level control (ALC) circuit to balance out the sound from channel to channel, however an initial course adjustment is necessary, as follows:

Important: Television with “Audio Output” jack is 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 the provided AC adapter into an available AC outlet.
4. Turn TV Speakers **OFF** via TV menu function if applicable.
5. The Transmitters incorporate an Automatic level control circuit (ALC) to balance out the sound from channel to channel on multiple transmitter installations, however an initial course adjustment is necessary as follows:

If TV has variable output, adjust the volume level on the television, while watching the two level indicator LED's on the back of the transmitter. Adjust the volume so that the Green LED stays on and red LED indicator flashes on and off. Adjusting the volume on the TV higher to make the Peak Level Indicator stay on, will distort the audio.

6. Place corresponding channel number sign under each TV

CONNECTING THE TRANSMITTER TO AN AUDIO COMPONENT:

1. Connect provided patch cable into Left & Right **Audio Output Jack** on rear of music component.
2. Plug other end of patch cable into the Left & Right **Audio Input** jack on rear of transmitter.
3. Plug the provided AC adapter into an available AC outlet.

STEP 3: INSTALLING THE RECEIVER

Mounting Receiver

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

1. Install the rubber mounting pad onto the Handrail of the CV equipment.



2. Insert two nylon wire ties (provided) through the holes in the mounting bracket on the rear of the Cardio Theater xTV Receiver.
3. Install the wire ties tightly around the bar and use pliers to tighten, so that the receiver can't be rotated.



NOTE: Do not place receiver where it would interfere with the cardio unit controls or display panel.

POWERING THE 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 CV 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. **AC Adapter:** In the event that C-Safe is not available on the cardio unit, use the Ultra Seal AC adapter. A standard outlet is required near the cardio unit.

Ultra Seal Connector:

The exclusive Cardio Theater Ultra Seal power connector, found on both Cardio Theater C-Safe cables and Cardio Theater 9 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 connector clip and release.



STEP 4: PROGRAMMING THE RECIEVER

This function enables the receiver to automatically scan the exact amount of transmitters and number them accordingly or you may manually program each channel. **Make sure that all transmitters that will used in the Club are on and operating before going through the programming procedures below.**

Auto Program Mode:

1. The xTV receiver is a universal receiver that is capable of receiving the signal from other brands and models of transmitters that are out in the marketplace.

To activate auto program mode, press both the Volume Up and Volume Down buttons simultaneously for 3 seconds. When the display reads number 1 with a decimal point on the left side in display window let go the two buttons. The display will then read one of three numbers “-1”, “-2”, or “-3”.

“-1”	Cardio Theater xTV or Enercise xTV program mode
“-2”	Cardio Theater LCS program mode
“-3”	Broadcast Vision program mode

2. Use the channel up or Channel down button to select the transmitter brand. The display will show one of the four numbers listed above.

It is important to use the appropriate program mode to be able to pick up all the available channels for a given transmitter brand.

3. Press the EQ / Tone button to begin programming. Scanning will take a few moments to lock in available transmitter channels.

When auto programming is complete, press channel Up and Down buttons to confirm all transmitters have been programmed.

Manual Program Mode (To Add or Delete Channels Manually):

1. To enable manual program mode, Auto Program sequence must be completed first, press Channel Up and Channel Down buttons simultaneously for 3 seconds. When number 1 with a decimal point on the left side pops up in the display window, release the two buttons. Channel number “1” will then be displayed.
2. 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. A **flashing** decimal indicates that the channel is inactive and a **steady decimal** will indicate that the channel is active.

When manual programming is complete, press Mute button to lock channels and return to normal operation.

xTV-9T Specifications

Input Sensitivity	100 to 1 volt
Input Impedance	10K ohms
Level Gain Control	Automatic Level Control
Transmission Frequency	902MHz to 928MHz
Signal to Noise	-70 dBm ref .7 volts
RF Output	1 mW
Distortion	<2 %.
Audio Frequency Response	20Hz to 15KHz
Transmitter Weight	1.5 lbs.
Power Requirements	9VDC 300 mA
Dimensions	W: 5.00" H: 2.00 D: 6.00"

Limited Warranty

PLEASE READ THESE WARRANTY TERMS AND CONDITIONS CAREFULLY BEFORE USING YOUR CARDIO THEATER PRODUCT. BY USING THE EQUIPMENT, YOU ARE CONSENTING TO BE BOUND BY THE FOLLOWING WARRANTY TERMS AND CONDITIONS.

Limited Warranty.

Precor Incorporated ("Precor") warrants all new Cardio Theater products to be free from defects in materials and manufacture for the warranty periods set forth below. The warranty periods commence on the invoice date of the original purchase. This warranty applies only against defects discovered within the warranty period and extends only to the original purchaser of the product. Parts repaired or replaced under the terms of this warranty will be warranted for the remainder of the original warranty period only. To claim under this warranty, the buyer must notify Precor or your authorized Cardio Theater dealer within 30 days after the date of discovery of any nonconformity and make the affected product available for inspection by Precor or its service representative. Cardio Theater products deemed defective by a Precor representative, will be issued a return authorization number. **Precor will not accept returns without a return authorization number.** Precor reserves the right, at their option, to repair or replace the product after verification of defect. Product that fails after the warranty period expires will be repaired or replaced at the current part and labor pricing after authorization from the customer. Repairs are warranted for 90 days. Precor's obligations under this warranty are limited as set forth below.

Warranty Periods and Coverage.

- | | | |
|---|--------|---------------|
| • Cardio Theater Transmitters
xTV-T Wireless or Wired Floor Models
xTVFM system transmitter | 3 Year | Parts & Labor |
| • Cardio Theater Receivers
XTV-R Wireless or Wired Upper Models
XTVFM system receiver | 1 Year | Parts & Labor |
| • Cardio Theater LCD Screen (PVS) | 1 Year | Parts & Labor |
| • Cardio Theater Screen Controllers | 1 Year | Parts & Labor |
| • Quick Change Headphone Jack | 90 Day | Parts Only |
| • Optional DVD Player | 1 Year | Parts |

Conditions and Restrictions.

This warranty is valid only in accordance with the conditions set forth below:

- The warranty applies to the Cardio Theater product only while
 - it remains in the possession of the original purchaser and proof of purchase is demonstrated,
 - it has not been subjected to accident, misuse, abuse, improper service, or mechanical, electrical or non-Precor modification,
 - claims are made within the warranty period.
- This warranty does not cover damage or product failure caused by electrical wiring not in compliance with electrical codes or Precor owner's manual specifications, or failure to provide reasonable and necessary maintenance as outlined in the owner's manual. **This warranty excludes misuse or failures of, for example, poor quality CD's, multiple discs inserted in the player, failures caused by home-produced copies of discs, etc.**
- Except in Canada, Precor does not pay labor outside the United States.
- Warranties outside the United States and Canada may vary. Please contact your local Dealer for details.

This Limited Warranty shall not apply to:

- Software (PROM) version upgrades.
- Normal wear and tear, consumables and cosmetic items, including, but not limited to the following: labels.
- Repairs performed on Cardio Theater products missing a serial number or with a serial tag that has been altered or defaced.
- Service calls to correct installation of the product or instruct owners on how to use the product.
- Pickup and delivery involved with repairs.
- Any labor costs incurred beyond the applicable labor warranty period.
- The user is cautioned that changes or modifications not expressly approved by the manufacturer of the product could void the user's authority to operate the product.

Complete this portion and keep for your records.

Purchased From: _____ Example: Dealer or store name.
Phone Number: _____ Example: Dealer or store telephone number.
Product/model: _____ Example: Transmitters, Receivers
Serial number: _____
The serial number is found on the shipping container or item.

The warranties provided herein are the exclusive warranties given by Precor and supersede any prior, contrary or additional representations, whether oral or written. ANY IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE THAT APPLY TO ANY PARTS DESCRIBED ABOVE ARE LIMITED IN DURATION TO THE PERIODS OF EXPRESS WARRANTIES GIVEN ABOVE FOR THOSE SAME PARTS. PRECOR HEREBY DISCLAIMS AND EXCLUDES THOSE WARRANTIES THEREAFTER. Some States do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. PRECOR ALSO HEREBY DISCLAIMS AND EXCLUDES ALL OTHER OBLIGATIONS OR LIABILITIES, EXPRESS OR IMPLIED, ARISING BY LAW OR OTHERWISE, WITH RESPECT TO ANY NONCONFORMANCE OR DEFECT IN ANY PRODUCT, INCLUDING BUT NOT LIMITED TO: (A) ANY OBLIGATION, LIABILITY, RIGHT, CLAIM OR REMEDY IN TORT, WHETHER OR NOT ARISING FROM THE NEGLIGENCE OF PRECOR OR ITS SUPPLIERS (WHETHER ACTIVE, PASSIVE OR IMPUTED); AND (B) ANY OBLIGATION, LIABILITY, RIGHT, CLAIM OR REMEDY FOR LOSS OF OR DAMAGE TO ANY PRODUCT. This disclaimer and release shall apply even if the express warranty set forth above fails of its essential purpose.

Exclusive Remedies.

For any product described above that fails to conform to its warranty, Precor will provide, at their option, one of the following: (1) repair; (2) replacement; or (3) refund of the purchase price. Limited Warranty service may be obtained by contacting the authorized dealer from whom you purchased the item. Precor compensates Servicers for warranty trips within their normal service area to repair commercial product at the customer's location. You may be charged a trip charge outside the service area. THESE SHALL BE THE SOLE AND EXCLUSIVE REMEDIES OF THE BUYER FOR ANY BREACH OF WARRANTY.

EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES.

PRECOR AND/OR ITS SUPPLIERS SHALL HAVE NO OBLIGATION OR LIABILITY, WHETHER ARISING IN CONTRACT (INCLUDING WARRANTY), TORT (INCLUDING ACTIVE, PASSIVE, OR IMPUTED NEGLIGENCE AND STRICT LIABILITY), OR OTHERWISE, FOR DAMAGE TO THE PRODUCT, PROPERTY DAMAGE, LOSS OF USE, REVENUE OR PROFIT, COST OF CAPITAL, COST OF SUBSTITUTE PRODUCT, ADDITIONAL COSTS INCURRED BY BUYER (BY WAY OF CORRECTION OR OTHERWISE) OR ANY OTHER INCIDENTAL, SPECIAL, INDIRECT, OR CONSEQUENTIAL DAMAGES, WHETHER RESULTING FROM NONDELIVERY OR FROM THE USE, MISUSE OR INABILITY TO USE THE PRODUCT. This exclusion applies even if the above warranty fails of its essential purposes and regardless of whether such damages are sought for breach of warranty, breach of contract, negligence, or strict liability in tort or under any other legal theory. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

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Disclaimer and Release.

TECHNICAL SUPPORT

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Notice

Due to the advancement in technology, Cardio Theatre, Inc. reserves the right to make changes in this hardware, packaging, and any accompanying documentation without prior written notice.

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