

# *Wildlife Materials International, Inc.*

## **INSTRUCTIONS TRX-48S RECEIVER**

This 48 channel continuously tuned receiver, the newest model in our TRX family of modern receivers, monitors up to 48 transmitter wearers.

Because the receiver is a lightweight one-pound, it can be permanently mounted on a three-element directional yagi antenna. If you choose this option, a long padded case with handle and shoulder strap is included. If you choose a receiver that is separate from the antenna, a padded case with belt loop and shoulder strap is also included.

The receiver may be purchased with **disposable** batteries **OR rechargeable** NiCad batteries. If you choose rechargeable batteries, a recharge unit is included, as well as a DC power cord with cigarette lighter plug-in for operation off a vehicle battery.

This receiver's noise blanking circuit, one of its most important features, will cut unwanted sound and provide better signal reception.

Practice locating a transmitter **before** attaching transmitter to dog.

Like all receivers, the TRX-48S is not **waterproofed**, nor is it guaranteed waterproof. In rain, snow, fog, etc., please **cover the receiver, or use it inside a vehicle.**

If a receiver is opened, except to change disposable batteries, warranty will be voided. Additionally, a receiver that has been opened may need recalibration and retuning.

### **DIRECTIONS FOR USE:**

- 1.** Start the transmitter collar's signal, either by removing a magnet or by inserting batteries. Turn on the receiver's power switch (PWR), located at left center of face.
- 2.** To select the band and channel on which this transmitter broadcasts, look at the chart inside the receiver case. Use the switch marked BAND to choose band A or B or C. Then use the switch marked CH to choose channels 1 through 16.

For best reception, your transmitter's unique frequency number should be programmed close to the center of the channel. Use the TUNE knob at right to bring in the signal sound that is best for your ear.

- 3.** You will hear a beeping signal coming from the transmitter. At the same time, the signal will match the lights on the LED bar located at top center of the receiver face. The LED bar (light emitting diode) is a tracking aid that shows the signal strength. As the flashing red lights move further right, you are getting closer to the transmitter wearer. To be effective, the lights **do not need to bounce to the far** right. If you keep the Gain/volume Knob (at left) **low**, the light bar will move right only a few steps.

4. Use the Gain Knob on the left of receiver face to regulate the volume. Experienced users keep the volume as **low** as possible while still being able to hear the transmitter signal. **High volume drains the battery more, causes distortion of the signal, and makes pinpointing the signal difficult.**

5. Use your antenna after the transmitter wearer has moved out several yards or more. Attach the antenna cable's BNC connector to the antenna jack at the back of the receiver. Push the cable's BNC connector **in and to the right**. The antenna magnifies the transmitter signal and pinpoints the transmitter wearer's location.

6. If the signal swamps your receiver, coming in equally from all directions, the transmitter wearer is close. Turn ON the ATTENUATOR switch at the **back** of the receiver. The attenuator circuit shortens/weakens the signal range and brings the signal in strongly from one direction, where the transmitter wearer is located. **After the transmitter wearer moves back out to a greater distance, be sure to turn off the attenuator.** Otherwise, you may not get a signal at all.

7. Conserve battery power: turn receiver on to take reading, and then turn off.

8. To change the 8 **disposable** AAA batteries, loosen thumbscrews, lift lid off and replace batteries. Be sure to **observe polarity** by matching **+ to +** and **- to -**. Fit lid on and tighten screws.

During **long-term** storage, remove disposable batteries to avoid rust and corrosion. Failure to do so could void warranty if batteries leak. Store batteries in **separate** containers in refrigerator.

9. The rechargeable TRX-48S has been shipped with a **full charge**, which lasts **6 hours** of tracking. After the receiver is fully charged, users should **recharge 4 hours for each hour of operation, up to 24 hours. To charge, turn power switch OFF first.** Insert recharger plug into the recharge jack at back of the receiver's **upper left side**. A **fully discharged** receiver should be charged at least **16 hours** but **no more than 24 hours**.

10. **Vary recharge times** to avoid a "memory" buildup. If you recharge 4 hours **each** time, the battery will gradually become good for **only** 4 hours life. Avoid a recharging pattern to get the most out of a battery. For instance, if you charge for 4 hours one time, use your unit until a charge of 8-10 or 12-14 or 16-20 hours is required next.

11. To operate a **rechargeable** receiver off a vehicle battery, insert the DC Power Cord's plug into the jack (the same as used for recharger) at **back left side** of receiver. Plug the other end into the vehicle's cigarette lighter holder.

12. During storage periods, stimulate the battery by turning on receiver every 3-4 months. Run for 3-4 hours, then recharge for 12-16 hours.

--All equipment comes with a **15-day trial period**. If you wish to return an item, please contact us and ship back insured in like-new condition, with no evidence of dog wear.

--When returning for repair, please ship insured. Include name, mailing address and phone number. Describe malfunctioning in detail so that technicians can go quickly to the problem, saving time and repair costs.

--**FIVE-YEAR Warranty on Parts and Labor** in **ELECTRONICS** as of 1/1/97.

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**34 YEARS MANUFACTURING EXPERIENCE**