

# WILDLIFE MATERIALS

INTERNATIONAL



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## Dog Recovery Equipment

**34 YEARS  
MANUFACTURING  
EXPERIENCE**



Fig. 1: Magnum Convertible #3190/3280 Collar comes with 3 changeable lithium batteries. You choose a standard or a long signal range to fit the terrain and the dog.

### TRANSMITTER COLLARS Have These Standard Features:

- High-impact crystals withstand 20,000 Gs of force
- Hermetic sealing prevents water damage
- Mounted on **Changeable Day-glo Collars** that last years outdoors
- **Magnetic On-Off Switch** conserves batteries not in use
- **Stainless Steel, Nylon Coated Antenna** is flexible and durable

### OPTIONS on Collars:

- Color coded dayglow nylon webbing collars: 1 inch wide x 23 inches long OR 1 inch wide x 20 inches long
- Brass ID Plate with name and address engraved, riveted
- **Activity "Tree" Switch**, with mercury tip that shows whether dog is moving or still, head up or down
- **Behavior Circuit** that changes the signal rate as dog moves, showing rest or dog On Point, slow motion and speed
- Reflective tape on antenna will show in dark

### BATTERIES:

- 3.6 v lithium battery for Changeable-Battery Collars #HLPM-3190, #HLPM-3850 and #3190/3280
- Battery testers

**FIVE YEAR LIMITED WARRANTY**  
on all electronics in both receivers and transmitter collars  
**THE BEST IN THE BUSINESS!**

## Transmitter Collars

TYPE OF COLLAR	ORDER NUMBER FOR COLLAR	SIGNAL RANGE depends on tracking conditions (MILES)	BATTERY LASTS...	WEIGHT (ounces)	DIMENSIONS (LxWxH inches)	FITS DOG SIZE	WHEN BATTERY FADES...
A. changeable battery (3.6 v lithium)	HLPM-3190	2-9	over 75 days of continuous tracking: many months when used a few hours weekly	9 with battery	4.8 x 1.6 x 1.2	all sizes	buy battery from WMI (\$10.00) Radio Shack (\$11.89) Change in field.
B. magnum convertible (3.6 v lithium) 3 batteries	HLPM-3190 with HLPM-3280	2-9 or 4-14 for rugged terrain	70+ days of continuous tracking with 1 battery 25-30 days continuous tracking w/ 2 batteries	9 with battery	4.8 x 1.6 x 1.2	all sizes	buy battery from WMI (\$10.00 each) Radio Shack (\$11.89+\$10.49) Change in field.
C. lightweight changeable battery (3.6 v lithium)	HLPM-3850*	2-9	over 30 days of continuous tracking; many weeks when used a few hours weekly	4.8 with battery	2.7 x 1 x 1	all sizes designed for smaller running dogs, speed	buy battery from WMI (\$10.00) Radio Shack (\$10.49) Change in field.
D. standard sealed lithium	HLPM-3140	2-9	over 7,000 hours	9	5.2 x 1.6 x 1.5	medium to large	return to WMI for new battery.
E. ultra-light sealed lithium	HLPM-3120	2-9	over 2,000 hours	5.5	4 x 1 x 1.1	beagles, small running dogs	return to WMI for new battery.
F. super-life sealed lithium	HLPM-31100	2-9	over 16,000 hours	15	5.5 x 2 x 1.6	medium to large	return to WMI for new battery.
G. ultra-light rechargeable	HNCM-3310	2-9	several years on FULL charge, 5+ days continuous tracking	7	3.8 x 1 x 1.3	medium to small dogs	recharge from 120v Recharge unit included.
H. standard rechargeable	HNCM-3700	2-9	several years on FULL charge, 11+ days continuous tracking	10	5.2 x 1.2 x 1.6	medium to large	recharge from 120v Recharge unit included.
I. high powered rechargeable	HNCM-3450	3-12 for rugged terrain	several years on FULL charge, 13+ days continuous tracking	13	4.6 x 1.7 x 1.7	medium to large	recharge from 120v Recharge unit included.

\* Available as improved # 3850 with Behavior Circuit for Bird Dog Field Trialers.

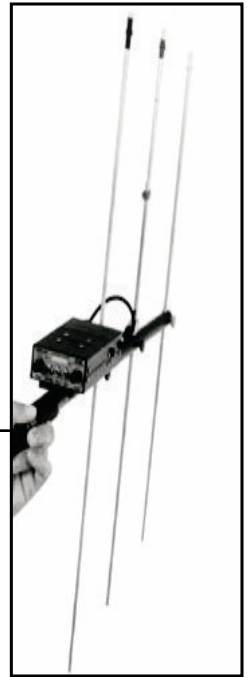
# Receivers from Wildlife Materials Int.

## A. Economy TRX-3S Receiver (Fig. 2)

- Has 3 channels for locating 3 dogs
- Attenuator prevents swamping; gives accurate close-in tracking
- Weighs a lightweight 14 ounces; has 6 3/4" x 3" x 1 1/2" dimensions
- Choose disposable AAA or rechargeable nicad batteries
- Has LED bar with flashing red lights to match beeping signal
- Can be mounted on 3 element directional yagi antenna
- Has -148 dBm sensitivity, with performance equal to TRX-10S Receiver
- Includes carrying case with shoulder strap, belt loop



(FIG. 2)



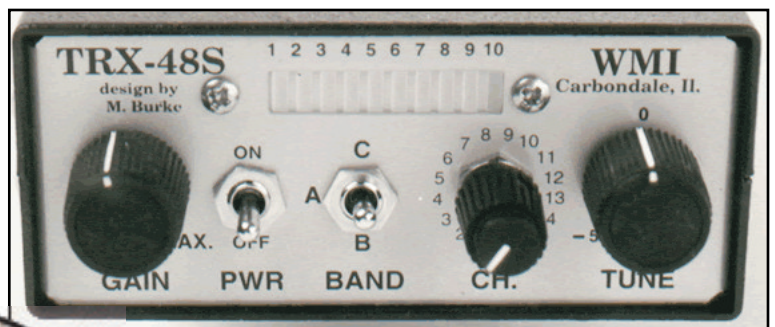
(FIG. 3)

## B. TRX-10S Receiver (Fig. 3)

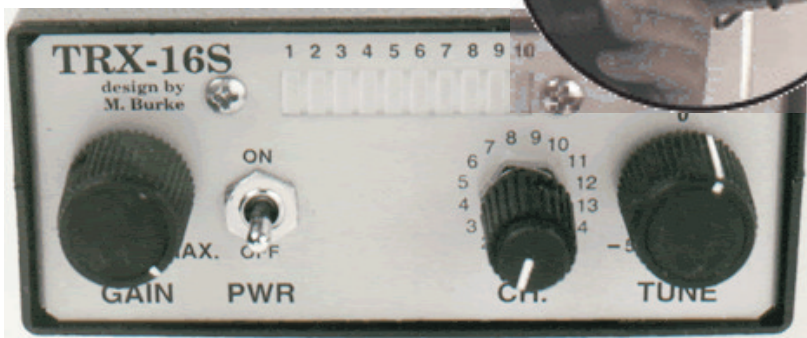
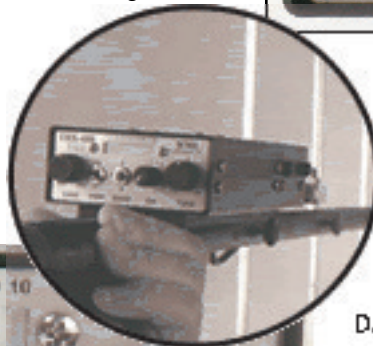
- Has 10 channels for tracking 10 dogs
- Signal meter has sensitive needle to match dog's beeping signal
- Attenuator prevents swamping; gives accurate close-in tracking
- Can be mounted on 3 element directional yagi antenna
- Weight, 1 pound; 5 3/4" x 3" x 2 1/4" dimensions
- Powered by rechargeable batteries and by DC cord for vehicle cigarette lighter
- Includes recharger, DC cord and nylon carrying case with belt loop

## C. TRX-48S Receiver (Fig. 4)

- Can be mounted on 3 element directional antenna
- Lightweight 16 ounces; 6 3/4" x 3" x 1 1/2" dimensions
- Has Noise Blanking Circuit to block unwanted sound
- Signal reception is equal to TRX-64S Receiver
- Monitors 48 dogs on 48 continuously tuned channels
- Choose disposable AAA OR rechargeable nicad batteries
- LED bar flashes red, moves right to match signal beep
- Attenuator cuts swamping; gives accurate close-in tracking



(FIG. 4)



(FIG. 5)

## D. TRX-16S Receiver (Fig. 5)

- Can be mounted on 3 element directional antenna
- Lightweight 16 ounces; 6 3/4" x 3" x 1 1/2" dimensions
- Has Noise Blanking Circuit to block unwanted sound
- Signal reception is equal to TRX-64S Receiver
- Monitors 16 dogs on 16 continuously tuned channels
- Choose disposable AAA OR rechargeable nicad batteries
- LED bar flashes red, moves right to match signal beep
- Attenuator cuts swamping; gives accurate close-in tracking



(FIG. 7)

**E. TRX-1000S Receiver (Fig. 7)**

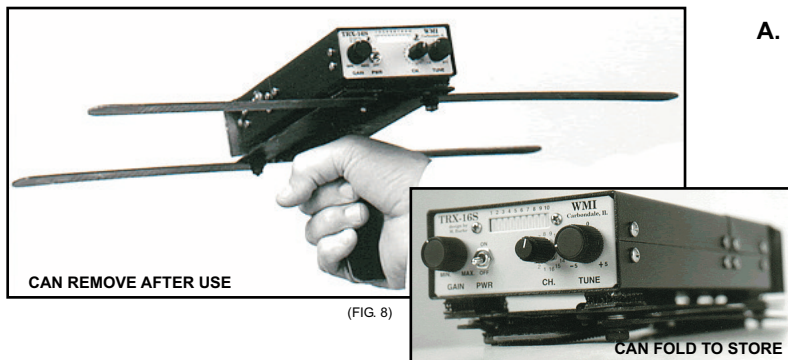
***Our finest: Sensitive, Sophisticated, Easy To Operate***

- Tracks 200 dogs. Punch in each frequency number on digital display
- Attenuator prevents swamping, insures accurate close-in tracking
- Noise-blanking circuit reduces unwanted signals
- Signal meter needle deflects to show signal strength
- Signal meter is backlit to enhance night tracking
- Red Flashing LED matches signal beep
- Weight, less than 2 pounds. Dimensions, 7" x 4" x 4 1/2"
- Rechargeable nicad batteries provide 6-8 tracking hours on full charge
- DC cord can operate receiver from vehicle's 12 v cigarette lighter
- Recharge unit, DC power cord, padded nylon carrying case included
- Optional lid-mounted throwaway batteries for use away from current

**F. TRX-2000S Receiver**

- Choose any 2 bands among the 216, 217, 219, 220 frequencies
- Expanded frequencies help avoid interference on crowded bands
- Tracks twice as many, locates a buddy's dog on another frequency
- Comes with recharge unit, vehicle plug-in and padded nylon case
- Other specifications are the same as the TRX-1000S Receiver

## Antennas from Wildlife Materials Int.



(FIG. 8)

**A. MINI 2 Antenna (Fig. 8)**

- For shorter signal range
- When open, all elements are 16" wide
- Fold elements under small receiver to store
- Remove from smaller receiver: unplug, pry apart
- 3 dB gain; about 15% less range than 3 element antenna
- User can go to 3 element antenna for longer range
- Works with all receivers

**B. Quick-Connect 3 Element Directional Antenna (Fig. 9)**

- Easier to handle, like many hunters have requested
- Assembles faster than other 3 element antenna
- 26" main boom and 5.7 dB gain
- Comes with coax cable and nylon carrying case

**C. 3 Element Folding Directional Yagi Antenna**

- main boom length is 26 inches; 5.6 dB gain

**D. Whip-Type Omnidirectional Magnetic Base Antenna**

- for mounting on vehicle roof (gain is about half that of 3 element antenna)

**E. 5 Element HANDHELD Antenna**

- main boom length is 40 inches; 8 dB gain

**F. Rubber Duckie Omnidirectional Antenna**

- 6 inches long, for tracking close-up in brush



(FIG. 9)

### FIVE YEAR LIMITED WARRANTY

All equipment is guaranteed for ONE YEAR against manufacturing defect. Abuse or trauma of any and every kind, and expiration of batteries are not covered. Receivers and Transmitters are guaranteed for an additional FOUR YEARS against failure of the electronic circuitry (failure of batteries or peripherals such as collars, cases, knobs, ect., or failure caused by abuse or trauma of any and every kind, are not covered).

# Information about Radio Locating

**FREQUENCY NUMBERS:** As a service to our customers, we will miss or match any frequency number provided by hunters on the 216, 217, 219, and 220 frequency ranges. This allows hunters to avoid the signals of other collared hounds in their area, or to find their buddy's dogs.

**MAGNET FOR BATTERY CONSERVATION:** A strong magnet starts and stops each transmitter collar. These magnets may be lost in the field and are difficult to purchase elsewhere. We suggest that hunters keep more than one magnet on hand so that the collar's battery power can be conserved.

**WEIGHT OF DOG:** When WMI technicians construct a transmitter collar, they follow a rule of thumb that the collar should weigh no more than 4% of the animal's total weight. Only good sized dogs should carry our largest 15 ounce transmitter collar. For constantly active, running dogs such as fox hounds, rabbit or squirrel dogs, we recommend a low-weight transmitter collar.

**EFFECTS OF TERRAIN:** Radio signals are affected by terrain. Hills, trees, swamps, even a field of corn will cut down the received signal. In worst case conditions, signal may be cut by half or more. If you hunt regularly in mountains without good access roads, our High-Powered Rechargeable #3450 collar and our Magnum Convertible #3190/3280 collar will give you the needed long signal range.

**SIGNAL BOUNCE:** Radio signals "bounce" in mountainous or thickly wooded terrain. The signal may deflect off the mountain wall behind you before reaching your box. Therefore, the dog is located in exactly the opposite direction from which the signal comes. To combat bounce, go to a high altitude such as a ridge, then turn your receiver's gain control to **low**. Take several readings from at least 3 different positions. Your dog is located at the place where **two or more** signals cross. **This is called TRIANGULATION.**

**SWAMPING:** If (with the receiver's gain control knob turned down) the dog collar's signal completely surrounds you, your hound is very close...within 200 yards. Detach the antenna from the box, turn the gain control up, and go to the loudest signal. Or turn on the **attenuator**, built into all TRX receivers, to prevent swamping.

**LITHIUM BARRIER:** The power will go flat in all lithium battery collars that are not used for long periods. To keep the battery active during storage, EXERCISE the battery by turning on for at least **8-10 hours once a month.**

**REPLACEABLE ANTENNAS:** All transmitter collars use a flexible stainless steel antenna that is replaceable in the field. Tighten antenna before releasing dog.

**WARRANTY VOIDED:** Because radio tracking systems are specialized, we request that owners and local shop people do not make repairs. In the past, mangled transmitters have been returned, indicating an attempt to change sealed batteries. Since expertise is required and danger is present, especially with lithium batteries that can explode, any attempt to repair will void WMI's warranty. In cases of extreme damage, we reserve the right to deny repairs.

**INJECTION MOLDED CASE:** An injection molded case houses all changeable battery and all sealed lithium battery transmitter collars. Also included is the Hi-Powered rechargeable #3450. This case makes repairs easier and faster, saving you money. The case has a changeable antenna and a hidden magnet with tab.

**RECHARGING:** Vary recharge times to prevent a "memory" buildup in the battery. If you recharge 8 hours repeatedly, the battery will gradually become good for 8 hours of life only. Avoid a recharging pattern to get the most out of a battery. For instance, if you charge for 8 hours one time, use your equipment until a charge of 10 hours or 12 hours or 16 hours is required next time. **Never charge for more than 24 hours.**

**REFUND POLICY:** We offer a 15-day trial period. During this time, the cost of equipment returned in like-new condition will be refunded.

**WATERPROOFING: All transmitter collars are hermetically sealed for complete waterproofing.** This means the transmitter is placed in a can, backfilled with inert nitrogen, and soldered closed. Glass-to-metal feed throughs, 100% waterproofed, connect the transmitter to battery and antenna. Receivers are not guaranteed to be waterproof, although the TRX-1000S comes in a weather-resistant case. In rain, fog, or snow, we recommend that any receiver be covered for protection.

**CHANGEABLE-BATTERY COLLARS:** If sending the changeable-battery collars in for repair, please include batteries. This allows us to test your equipment with the batteries you use and will save you the cost of a new battery.

**PLACEMENT OF NAME PLATE:** If a name plate is riveted under the collar antenna, decreased signal range may result. Wildlife Materials places name plates near the buckle.

## DISTRIBUTORS

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**34 Years Manufacturing Experience**

**DELIVERY:** Varies with equipment ordered and workload; call for specifics. Generally, AUGUST thru DECEMBER is PEAK SEASON. PLEASE ORDER BEFORE SEASON STARTS.

**TERMS:** Money Order, Cashier's Check or COD. DISCOVER, VISA, and MASTERCARD charges accepted.

**SHIPMENT by UPS**  
Because of continual pricing structure changes beyond our control, please let us know if you want **Ground, Second Day Air** or **Next Day Air** delivery, and we will give you the exact current shipping cost for your Wildlife Materials product.

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**AKC and AFTCA Approved**

