

# Wildlife Materials International, Inc.

## Instructions for DART TRANSMITTER Use

Included in this Wildlife Materials International, Inc. shipment is one **transmitter in cylinder** attached to the tail section's whip antenna, an **adapter with two O-rings** that connects the transmitter cylinder to a drug chamber, and **two pin-plug lithium batteries**. Wildlife Materials International, Inc. provides a **double barbed big-game needle** as an option if requested.

The customer furnishes the drug section at the front of the dart, which includes the metal drug chamber, plunger, explosive charge and, unless otherwise requested, the dart needle.

The dart transmitter is built with a high impact crystal that withstands 20,000 Gs of force. Weight is 14 grams. The length of tail section (transmitter/ battery chamber and adapter) is 10 centimeters. A signal of one mile is possible; in brush, rugged terrain, inclement weather, or when an animal rests on the transmitter and grounds its antenna, signal distance will be cut.

The transmitter will function for years of tracking with proper care. Wildlife Materials, Inc. offers a 60-day guarantee against faulty workmanship and materials. Additional pin-plug lithium batteries, which operators should anticipate needing, may be purchased from us.

### Directions for operation:

1. Check the cylinder end **opposite** the antenna. Inside, you will see a receptacle imbedded in wax. This is the transmitter, which the wax has sealed. The wax also protects the transmitter from touching the metal walls of the cylinder and shorting out. **DO NOT REMOVE WAX.**
2. To **START the transmitter dart's operation**, insert **one** battery, its pin-plug first, into the receptacle. Tweezers or miniature needle-nose pliers will help to insert the battery and remove it. Each battery has an operational life of approximately 72 hours or 3 full days.
3. With your receiver turned on, dial in the dart transmitter's unique frequency number (for instance, 151.**234**). Test to make sure you can pick up the dart transmitter's signal.
4. After you have received the dart transmitter's signal and are ready to use the dart transmitter, the end of the transmitter cylinder can be closed. Inside a small envelope, you will find an adapter with a black O-ring on both sides of it. Screw the adapter onto the end of the transmitter cylinder. This adapter connects the dart transmitter's two main parts: the transmitter cylinder portion we provide and the drug chamber portion you provide\*
5. Attach the drug chamber portion, provided by you, to the adapter.
6. Screw the dart needle unit to the head of the drug chamber. Between usages, be sure to clean the needle so that you can see light through its corridor.
7. The flight of the dart is not significantly affected by the addition of the transmitter, except that the dart drops somewhat faster. After the dart has been shot with a Cap-Chur rifle into the animal's muscle, the barbed needle helps the beeping transmitter to stay with the animal as it moves.
8. To locate the dart transmitted animal, use a handheld antenna that finds the direction of the signal and magnifies it. If you are close to the animal, the signal may swamp your receiver, coming at you equally from all directions. Turn on your receiver's attenuator to bring in the signal strongly from one direction. Or remove the antenna cable from your receiver face to cut the signal strength. The dart transmitter is particularly helpful for locating animals in dense vegetation.

9. To **STOP the transmitter signal**, unscrew the adapter from the dart transmitter cylinder. Then remove the pinplug battery with tweezers or miniature needle-nose pliers. **AGAIN, DO NOT REMOVE WAX.**
10. When the dart transmitter is not in use, store it in a cool place. However, do not place the transmitter in a refrigerator. Batteries **may be refrigerated** for longer shelf life. **Keep batteries separate** from one another so that the power does not drain.

\*Drug Section may be purchased from Palmer Chemical Co., P.O. Box 867 at Douglasville, GA 30134 (tel. 404/942-4395) and from Wiley and Sons at 7007 Co Rd 2120, Willis Point, TX 75169 (tel. 903/848-7912).

**Wildlife Materials, Inc. shall not be liable for any loss or damage resulting directly or indirectly, or as a consequence of or incidental to, the use or loss of any Wildlife Materials product including, without limitation, the original purchaser's expenses associated with downtime, interrupted or lost data, or damages to persons, animals or property.**

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**34 Years Manufacturing Experience**