

# ***AVID ID Systems, Inc.***

## ***MiniTracker 3 Wand Reader***

### ***User's Manual***

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### ***Multi Mode Reader - Model # AVID1043***

**Manufactured under one or more of the following U.S. Patents:**

**5,235,326      5,266,926      5,559,507      6,172,609**

**FCC ID: IOL-125-AV1043**

#### **INSTRUCTION TO THE USER**

This equipment has been tested and found to comply with the limits for a class B digital device pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, 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 equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

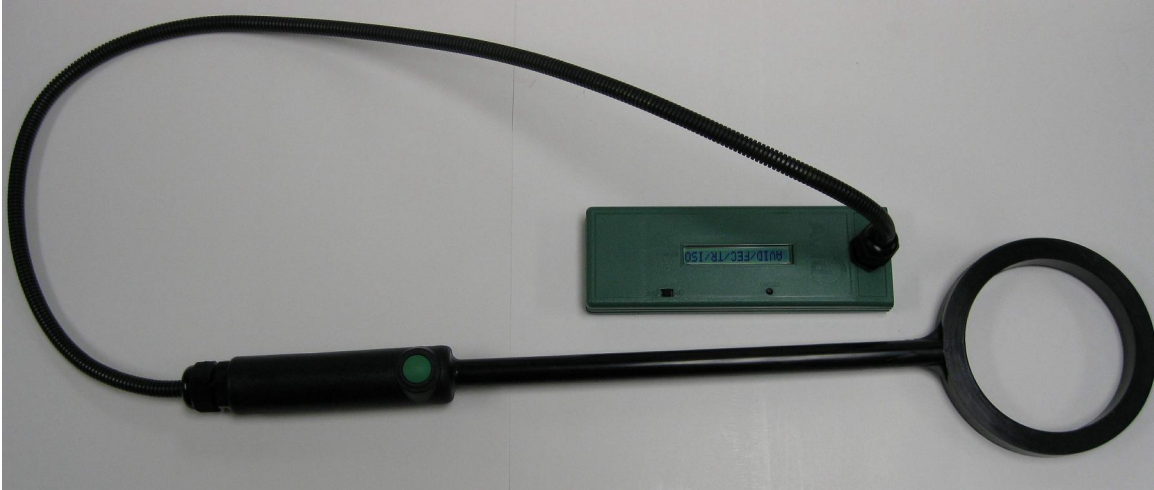
- \* Reorient or relocate the receiving antenna.
- \* Increase the separation between the equipment and receiver.
- \* Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- \* Consult the dealer or an experienced radio/TV technician for help.

Operation with non-approved equipment is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of the manufacturer could void the user's authority to operate the equipment.

#### **For information:**

Within USA      1(800) 336-2843  
Outside USA    +1(951) 284-1300  
Fax                +1(951) 737-8967

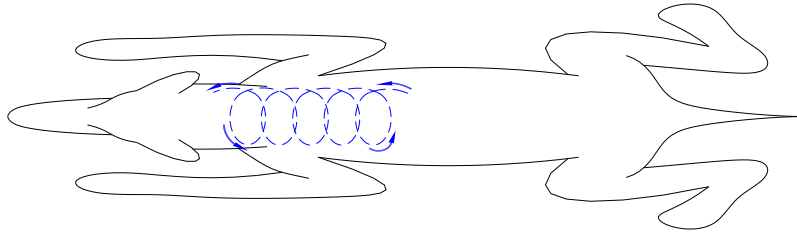
<http://www.AvidID.com>  
3185 Hamner Avenue  
Norco, California  
USA, 92860



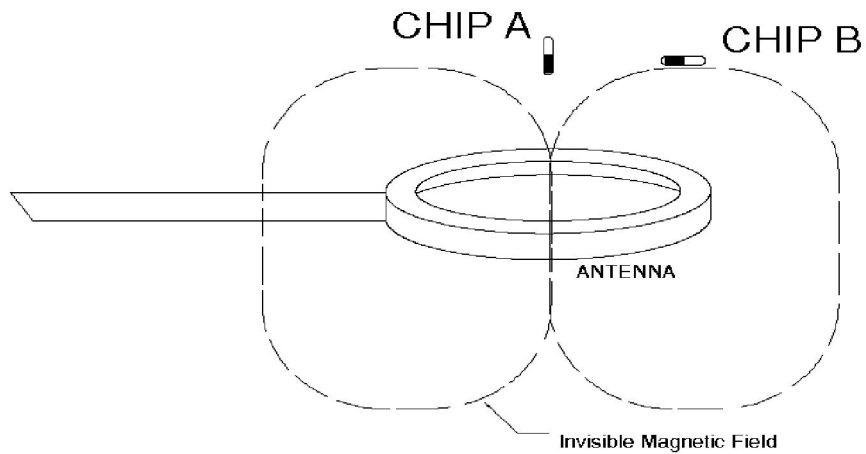
Congratulations on the purchase of your new AVID MiniTracker 3 Wand Reader This reader is capable of reading AVID, and many other brands of electronic identification tags using the FECAVA, TROVAN or ISO (FDX-B) protocols.

**INSTRUCTIONS: How to use the AVID Wand Reader:**

- 1. Power Switch:** Turn the reader ON by sliding the lower right hand switch on the face of the reader, forward. When the reader is powered on, it will emit a double beep sound and the LCD will display **AVID/FEC/TR/ISO**. To turn the reader OFF, slide the switch back.
- 2. Read Button:** Press the upper right button on the reader or the red button on the wand handle to put the reader into the **LOOKING** mode. The LCD will display **LOOKING**. When a microchip is found, the reader will emit two beep tones and display the number on the LCD. If the read button is released before finding a microchip, the message **NO ID FOUND** will display on the LCD.
- 3. Reading:** The Reader antenna is located in the round loop on the end of the wand handle. This provides communications between the microchip and the reader. While pressing down the Read button, scan in a circular pattern while moving toward the animal's head, starting from the middle of the back.



The Wand Reader antenna, handle and switch are waterproof and can be completely immersed underwater as long as the Reader itself is kept out of the water. Chip orientation plays a major role in optimum performance of the reader and reading distances. In the figure below, CHIP A, in a parallel orientation to the antenna, will achieve its maximum reading distance towards the center of the coil. CHIP B, in the perpendicular orientation to the antenna, will achieve its maximum read distance towards the outside edges of the antenna. It is therefore recommended to move the antenna in a circular motion so that at some point you are energizing the chip with a greater magnetic field making it easier to find the microchip



4. **Battery:** The reader is powered by one 9 volt battery. An alkaline battery is recommended for a longer battery life. The battery is located in the battery compartment on the lower backside of the reader. To replace the battery, slide the cover straight off, Secure it, by sliding the cover back to it's original position making sure the wires are securely inside the compartment.

**WARNING: FOLLOW BATTERY INSTRUCTIONS FOR DISPOSAL.**

## Operating the Reader Near Metal

Metal objects (especially ferrous metals) absorb electromagnetic fields. Operating the reader antenna or placing the chip too close to metal object can severely limit the range of operation of the system. If you are experiencing reduced operating range of your system, check for metal tabletops, doors, etc. in close proximity (a few inches) to any part of the chip/reader environment.

## Warranty/Service

The AVID Mini Tracker Wand Reader is warranted to be free of manufacturing defects for a period of one year from the date of purchase. Defective readers will be repaired or replaced at the discretion of AVID ID Systems. Please contact an AVID representative for a Return Merchandise Authorization number (RMA) or if you have any questions.

## Specifications:

- **OPERATING FREQUENCY:**  
125KHz
- **TEMPERATURE RANGE:**  
Operating: 32° to 122° F (0° to 50° C)  
Storage: 4° to 158° F (-20° to 70° C)
- **POWER:**  
(1) 9-Volt alkaline battery
- **DISPLAY:**  
16 Character Liquid Crystal Display (LCD)
- **INDICATORS:**  
Audible beeps/Visual LCD
- **TAG COMPATIBILITY:**  
AVID, FECAVA, TROVAN and ISO (FDX-B) coded ID tags,  
produced by multiple manufacturers
- **READER DIMENSIONS:**  
2.4"W (6cm) x 6.9"L (17.5cm) x .86"H (2cm)
- **WAND DIMENSIONS:**  
21"L (53.3cm) x 4.0"I.D. (10.1cm) x (5.0"O.D. (12.7cm))
- **COMBINED WEIGHT:**  
1 lb. (453.5grams)
- **TYPICAL READING DISTANCES: \***  
AVID/FECAVA Injectable Transponder: 6.00" (15.3cm)  
TROVAN Injectable Transponder: 4.50" (11.4cm)  
ISO (FDX-B) Injectable Transponder: 5.0" (12.7cm)
- **WATERPROOF:**  
Antenna, Switch/Handle & Tubing can be immersed in water  
The Reader itself is NOT waterproof and should not be immersed.
- **FCC APPROVAL:**  
FCC ID: IOL-125-AV1043
- **CE CERTIFIED**

\*Reading distances were measured using 12mm transponders.

Reading distances will vary depending on the orientation and the size of the ID Tag