

# **MiniTracker Pro<sup>TM</sup> Reader**

## **User's manual**

### **Multi Mode Reader**

**AVID products are protected under one or more of the following Patents:**

5,214,409	5,235,326	5,257,011
5,266,926	5,465,556	5,484,403
5,499,017	5,559,507	5,963,132
6,172,609	6,249,212	6,307,468
6,414,597	6,441,741	6,472,975
6,778,089		6,784,788

### **Other Patents Pending, U.S. and International**

**FCC ID: IOL-134-AV1034I**

The device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

**WARNING:** This equipment has been tested and found to comply with the limits for a class A digital device, pursuant to part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when used in a commercial environment. 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 the 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.

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 this equipment.

### **For Information:**

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## Introduction

Congratulations on the purchase of your new AVID MiniTracker Pro Reader. This reader is capable of reading AVID and many other brands of electronic identification tags using the FECAVA and ISO-FDX-B protocols.

## Instructions

### 1. Power Button

Turn the reader ON by sliding the lower right hand button forward on the face of the reader. When the reader is powered on, it will emit a double beep sound and the LCD will display **AVID/FEC/ISO**. To turn the reader OFF, slide the button back. (See Figure 1 below)

### 2. Read Button

Press the upper right button (marked "READ") on the reader to put the reader into the **LOOKING** mode. (See Figure 1 below) The LCD will display **LOOKING**. When a microchip is found, the reader will emit two beep tones and display the chip number on the LCD. If the Read button is released before finding a microchip, the message **NO ID FOUND** will display on the LCD.

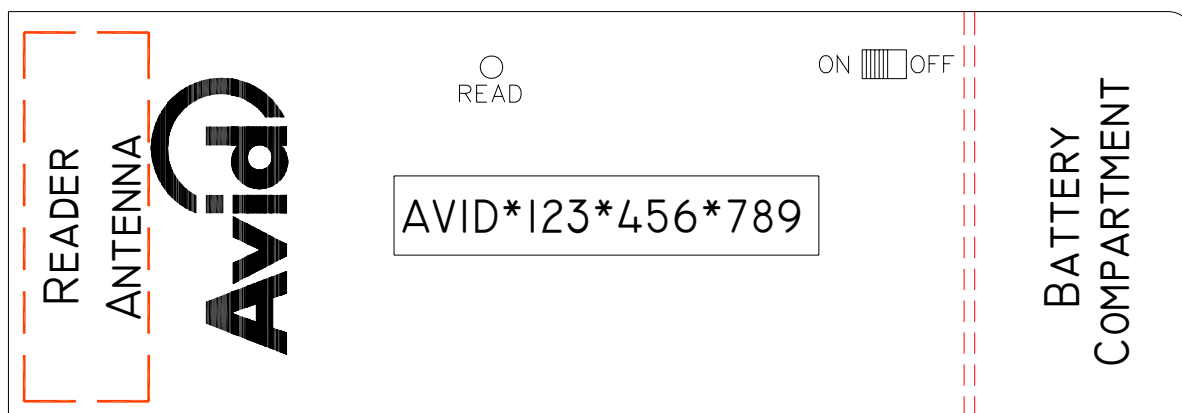


Figure 1

### 3. Reading

The reader antenna is located inside the reader at the top. The bottom of the reader has a label marked “READ HERE” which identifies the antenna area. While pressing down the Read button, scan in a circular pattern while moving toward the head starting from the middle of the back.

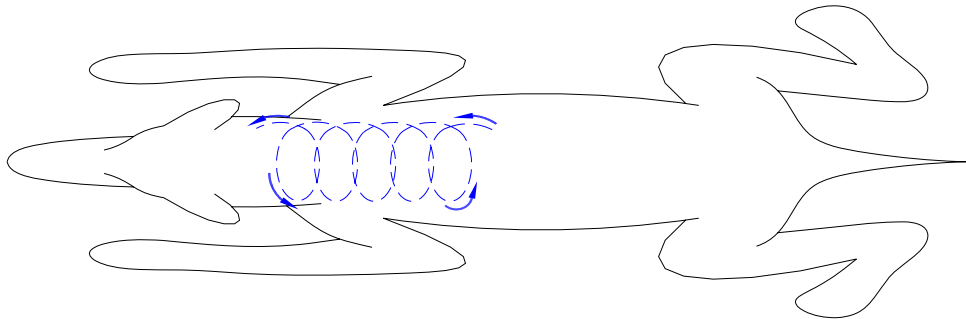


Figure 2

The reason for this scanning pattern is that chip orientation plays a major role in the optimum performance of the reader and reading distances. In Figure 3, below, CHIP(S) A, in a parallel orientation to the antenna, will achieve its maximum reading distance towards the center of the coil or in parallel to either end of the antenna. CHIP(S) 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.

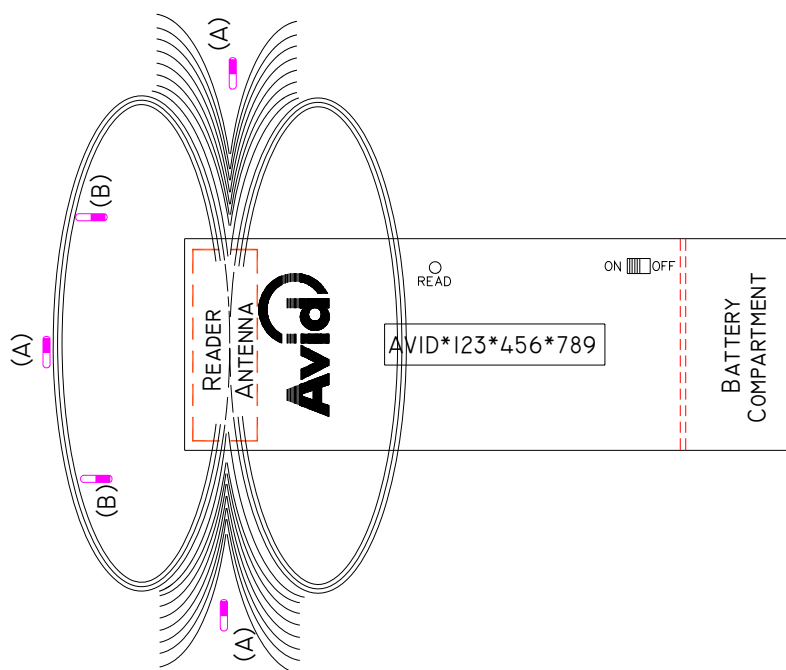


Figure 3

#### **4. Battery**

The reader is powered by one 9volt 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. To secure it, slide the cover back to its original position making sure the wires are securely inside the compartment.

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

#### **5. 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 proximity (a few inches) to any part of the chip/reader environment.

#### **6. Warranty and Service**

The Avid MiniTracker Pro Reader is warranted against defects in material and workmanship, under normal use and service, for a period of 1 year from the date of shipment from AVID. This warranty will not apply if repairs, parts or adjustments are required due to accident, neglect, or damage during transportation, or causes other than ordinary use. AVID's sole responsibility under this warranty shall be, at AVID's option, to either repair or replace any product, which fails during the warranty period. In no event shall AVID be liable for any indirect or consequential damages or loss of profits.

A **Return Material Authorization (RMA)** number must be issued before a unit is returned to AVID for service. Contact AVID for a **RMA** number or other service questions. +1(951) 371-7505.