

Mini-TracKer ReaderTM

User's manual

RFID Reader

FCC ID: IOL-125-AV1002X

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 approval of the manufacturer could void the user's authority to operate this equipment.

For Information:

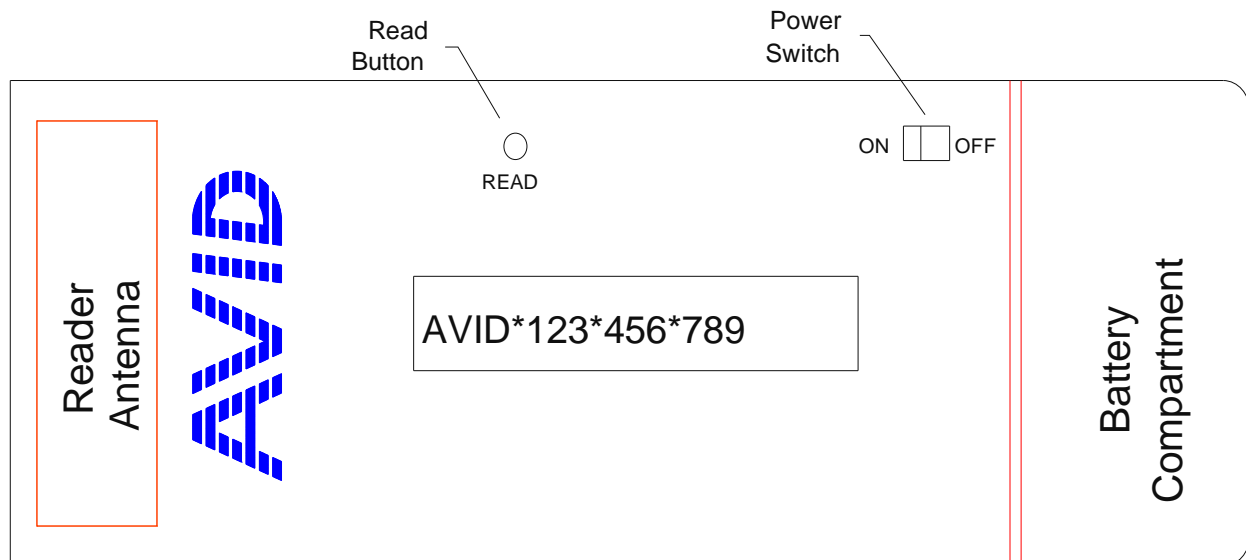
Within USA.....1(800) 336-2843
Outside USA.....+1(951) 371-7505
Fax.....1(951) 737-8967

<http://www.AvidID.com>
Support@AvidID.com

Avid Identification Systems, Inc.
3185 Hamner Avenue
Norco, California
USA, 92860

Introduction

Congratulations on the purchase of your new **AVID Mini-Tracker Reader**. This reader is capable of reading **AVID** and some other brands of electronic identification tags using the **FECAVA** protocol.



Instructions

1. Power Button

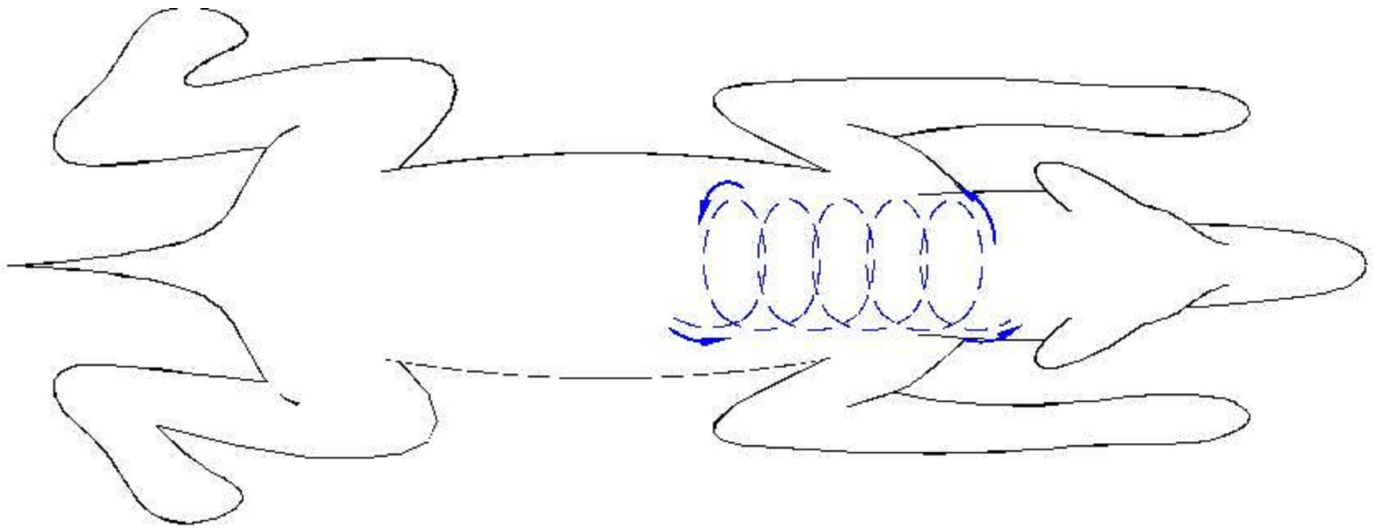
Turn the reader ON by sliding the lower right hand button on the face of the reader, forward. When the reader is powered on, it will emit a double beep sound and the LCD will display **AVID ID READY**. To turn the reader OFF, slide the button back.

2. Read Button

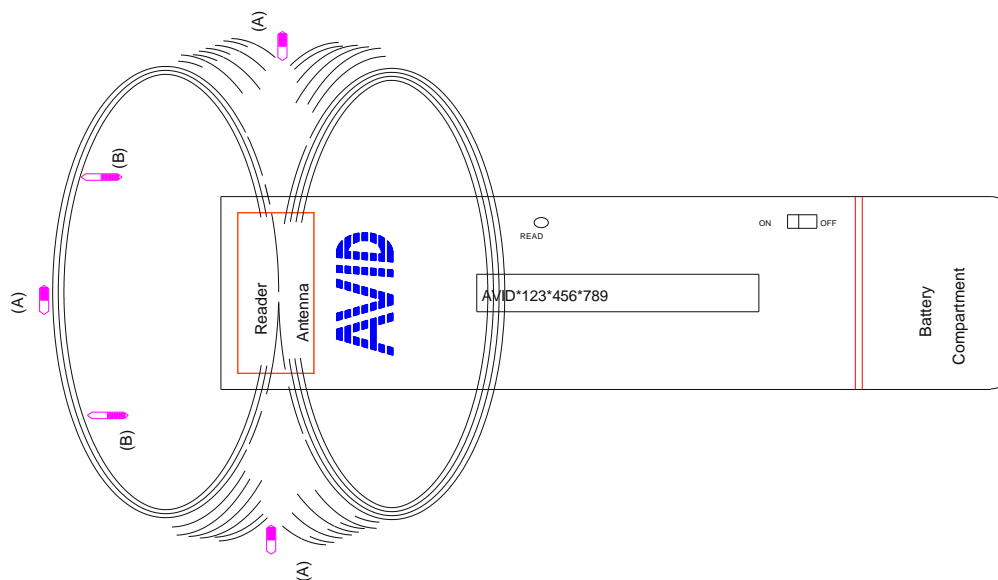
Press the upper right button on the reader or the red button on the wand handle to put the reader into the **LOOKING** mode. The LCD will display **LOOKING**. When a microchip is found, the reader will emit two beep tones and display the number on the LCD. If the **Read** button is released before finding a microchip, the message **NO ID FOUND** will display on the LCD.

3. Reading

The reader antenna is located 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.



Chip orientation plays a major role in optimum performance of the reader and reading distances. In the figure below, CHIP(S) A, in a parallel orientation to the windings of 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.



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.

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.

Warranty and Service

The Avid Mini-Tracker 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, 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. **(951) 371-7505**.