

Signal	DB-9 Pin #
AC ADAPT	1
TXD1	2
RXD1	3
GND	5
DSR	6
GND (PW)	9

Table 1 RS-232 Serial Cable Pin Assignment

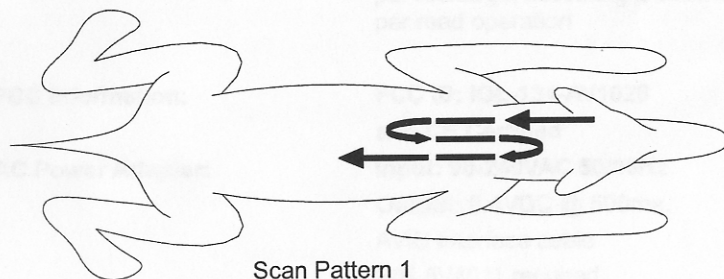
2.7. READ Antenna

The *READ Antenna* is located on the bottom of the reader and is the interface between the reader and the ID tag. The *READ Antenna* emits a low frequency electromagnetic signal to activate the ID tag.

3. Normal Operations

3.1. How To Read an ID Tag

To read an ID tag with the AVID Power Tracker Reader, position the reader directly on the subject with the READ Switch depressed and search for the ID tag with slow circular motions shown in Scan Pattern 1 and 2. Scan slowly, keep the reader touching the subject during the entire procedure. Move the reader in small circular motions (approximately 2-inch circles) as you follow the scan patterns. When the reader locates an ID tag, it will display the number on the LCD, sound the beeper and flash the green LED.



Scan Pattern 1

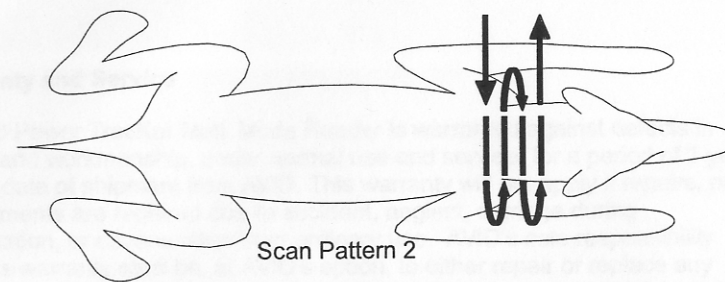


Figure 5. Scanning Technique

The orientation of the reader antenna to the ID tag affects the range and ability to read. For the best reading performance a circular motion is recommended.

3.2. From RF Sources And Metal Objects

The AVID Power Tracker Reader senses variations in electromagnetic fields in order to read ID signals from the ID tags. Computer terminals, video screens and metal can reduce the read range of the reader.

If you are experiencing a decrease in reading distance, the reader is probably being affected by electromagnetic interference. Try moving locations.

4. Use With Computers

4.1. Serial Connection

Attach the reader to your PC using the AVID PC Interface / AC Power Adapter Cable (AVID4011, Figure 4).

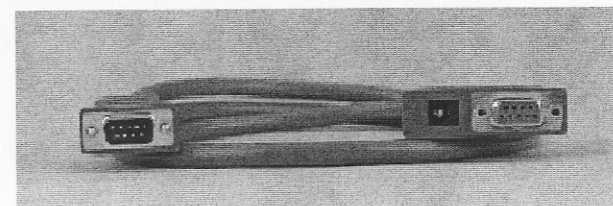


Figure 4 AVID Interface/Power Cable (AVID4011)