

## SPECIFICATIONS

Power Requirements:	5 VDC +/-10% (50mV ripple maximum). Chassis ground connected to power supply GND and magnetic head case.
Operating Current:	About 30mA for decoded magnetic stripe (three tracks).
Operating Temperature:	32° F to 131° F (0° C to 55° C).
Storage Temperature:	-22° F to 158° F (-30° C to 70° C).
Relative Humidity:	Maximum 95% non-condensing.
Magnetic Head Life:	1,000,000 passes minimum.
Rail and Cover Life:	1,000,000 passes minimum.
Magnetic Stripe Recording Method:	Two-frequency coherent phase (F2F) compatible with ISO 7811, ANSI, AAMVA, and California DMV.
Maximum Number of Tracks:	3 tracks.
Swipe Speed:	3 to 60 inches per second, bidirectional.
Card Thickness:	.015 to .045 inches.
Slot Width:	.050 inches.

# DEFAULT SETTINGS TABLE

The MiniMag reader is shipped from the factory with the following default settings already programmed:

## Magnetic Track Basic Data Format

Track 1: <SS1><T<sub>1</sub> Data><ES><ENTER>\*

Track 2: <SS2><T<sub>2</sub> Data><ES><ENTER>\*

Track 3: <SS3><T<sub>3</sub> Data><ES><ENTER>\*

where: SS1(start sentinel track 1) = %  
SS2(start sentinel track 2) = ;  
SS3(start sentinel track 3) = ; for ISO, ! for CDL, % for AAMVA  
ES(end sentinel all tracks) = ?

## Keyboard Wedge Communication Default Settings

Terminal type: IBM PC/AT

Intercharacter delay: 2 ms

Language: US English

Start or End Sentinel: Characters in encoding format which come before the first data character (start) and after the last data character (end), indicating the beginning and end, respectively, of data.

Track Separator: A designated character which separates data tracks.

Terminator: A designated character which comes at the end of the last track of data, to separate card reads.

LRC: Check character, following end sentinel.

CDL: Old California Drivers License format.

*\*Note: The <ENTER> characters (shown above) between tracks 1 & 2 and 2 & 3 denote the default character for this position, the Track Separator position. The <ENTER> characters shown for track 3 denotes the default character for this position, the Terminator position.*