



Mini Mag Stripe Reader (Port Powered RS232)

Please read these instructions prior to installing and connecting the mag stripe reader to your point of sale system.

Introduction:

The Port Powered Swipe Reader is a compact magnetic stripe card reader that conforms to ISO/ANSI standards. The Reader is compatible with the PC series of personal computers or any computer with a serial RS-232 interface. A card is read by sliding it, stripe down and facing the LED side, through the slot either forward or backward. A green LED (Light Emitting Diode) indicator on the reader panel provides the operator with continuous status of the reader operations.

Since the input voltage is supplied by a relatively low source of power, the reader depends on its input capacitor to maintain proper charge during all operations. In order to reduce the drain on this internal power source during data transmission, the output data is transmitted in 5 to 6 millisecond bursts with a 10-millisecond gap between bursts to allow the capacitor to recharge. The PC software should be able to tolerate this 10-millisecond space between characters.

Mounting Location:

Select a mounting location that will allow a card to be easily inserted into the channel of the reader. Leave enough room on either side of the channel to allow the card to flow unobstructed from entry to exit. The reader can be mounted with dual-lock "superlock" fasteners that have aggressive adhesive (not supplied with the reader, available from Radio Shack; part number 64-2360 or 64-2363). Typical mounting locations: the right vertical side of the monitor, or on the deck above the cash drawer, immediately above the keyboard and in front of the monitor. (On DGA-supplied decks, cover the pre-drilled holes at the front corner of the deck).

Installation:

1. Prior to attaching the reader to your computer, make sure the computer power is OFF and the computer power connector is unplugged from the power source. (Observe this precaution whenever you attach or disconnect ANY data cable from your computer).
2. Connect the reader cable connector into a 9-pin serial (COM) port on the PC. If a 25-pin adapter is required, plug the 9-pin connector on the reader into the adapter, and the adapter into the PC.

Your computer's COM (serial) port must have a unique address and IRQ (also referred to as an

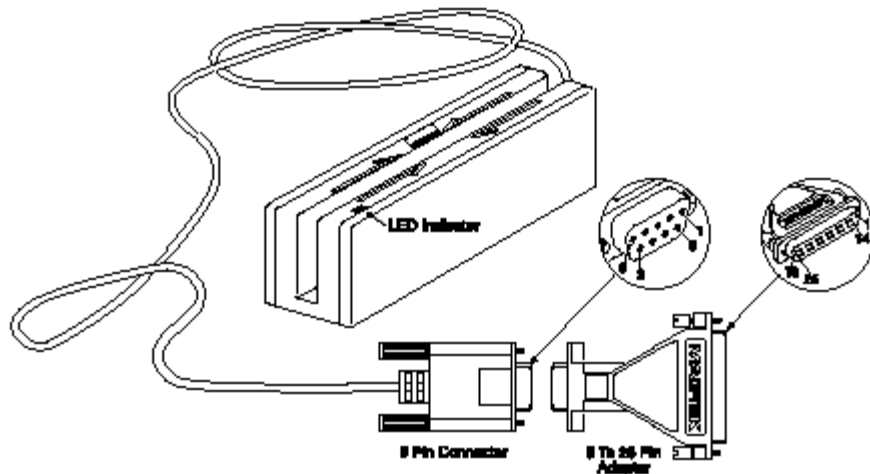
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“interrupt”). The COM port address and interrupt are normally set by hardware jumpers (on early PC's) or are dynamically assigned by Windows on newer computers.

If you are uncertain about your computer's port availability and addresses, consult a qualified computer technician for assistance.



25-Pin Adapter	9-Pin Connector	Signal
-	1	NC
3	2	RXD (to PC)
2	3	TXD** (from PC)
20	4	DTR*** (from PC)
7	5	GND
-	6-9	NC*

* No Connection

** Pin must be connected to TXD or grounded

*** 5-15 VDC

3. Power up the computer. Refer to the documentation supplied with your draft capture or credit card authorization software to configure the program for the proper COM port, baud rate (9600), parity (none), data bits (8) and stop bits (1).
4. Once the COM port is configured properly (correct port address, baud rate, etc) and the computer is properly communicating with the reader, the LED (Light Emitting Diode) on the reader glows green. The reader is now ready to read magnetic stripe cards that are encoded to the ANSI/ISO, AAMVA, or CDL standards.

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If the card was not successfully read, again insert the card into the reader and attempt to read the card. You might also try passing the card from the opposite direction (It doesn't matter which end is used as the input end, as long as the stripe is in the proper position – facing forward and down.)

If the card is not read successfully after two or three attempts, the magnetic stripe on the back of the card is probably damaged. The number and expiration date will require manual entry from the computer's keyboard.

Care and Maintenance:

No special maintenance is required. Avoid inserting abrasives in the card channel. Avoid spilling liquids in the card channel. DO NOT use solvent cleaners on the external surfaces or in the card channel.

The reader is not weatherproof - use indoors ONLY.