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Application Note: RS-232/USB Encoders-Readers Demo Program

MODELS COVERED

This comprehensive demo supports a number of MagTek RS-232 and USB products. Choose one of the demos to select operating examples for the following products:

Mini MICR:	Mini MICR RS-232
MT-85:	MT-85 (LoCo) encoder (P/N 15033001)
MT-95:	MT-95 (HiCo) encoder (P/N 31010019)
Swipe and Insert Readers:	Port Powered RS-232 swipe readers: (P/N 21040071 to 21040081)
	Port Powered RS-232 insertion readers: (P/N 21065085 to P/N 21065093)
	211232 Swipe Readers: (P/N 21088005 to 21088058)
USB HID Readers:	(P/N 21040101 to 21040110, 21040122 to 21040123)

ORDERING INFORMATION

Download this free program from the Internet or order CDs from your MagTek representative, Part Number 30037389.

DOWNLOAD FROM INTERNET

Go to Internet site at **www.MagTek.com** and perform these steps:
1. Go to the Software page and select Demo Programs.
2. Click Encoder/Reader Demo.
3. Click Download, then click Save, and follow the prompts. After the installation is save, go to where this installation was saved and run it. This will create a folder containing the actual install. Run the Setup.exe at this location (it will be under the Disk1 folder) to complete the install.

SETUP AND TEST

The following steps apply to the Readers listed below with certain exceptions as noted.
1. Plug the Reader cable into an available Com Port or USB port as appropriate.
2. Open the Encoder/Reader Demo Program.
3. From the Devices menu, select either the generic device type from the "By Device Type" menu or select the device's part number from the "By Part Number" menu.
4. Click the "Start Demo" button. If the program detects the reader/encoder, a message will appear indicating that its okay to continue. If there is a problem, you will be given the option of going to the configuration screen where the serial port and other settings can be changed.
5. Swipe or insert a card (or a check if a MICR).
6. If a card is read, the program will determine the format and parse it into fields, if possible.

Note: On all demos, except keyboard emulation devices, if a valid card format is detected, it will be parsed and displayed in individual fields (e.g. First Name, Last Name etc.).

MICR Readers

The MICR Demo displays the data when a check or card is read (on an MSR equipped Mini MICR).

MT-85 and MT-95 Encoder/Readers

The MT-85 and MT-95 Demos display the track data when a card is read. This data is copied to a set of edit fields where the track data may be edited and re-encoded. Note: this applies only to ISO/ABA format cards; driver license may be read but cannot be encoded.

Port Powered Swipe Readers (RS-232 or USB)

The Port Powered Swipe Reader Demo displays the data when a card is read.

Port Powered Insertion Readers (RS-232 or USB)

The Port Powered Insert Reader displays the data when a card is removed (the "Unbuffered" mode) or when an "Inquiry" command is sent depending on the mode set. When first started, the reader will return card data when the card is removed. If the Buffered is selected, the card data will be stored until the Send Inquiry button is clicked. To change back, click the "Set Unbuffered Mode" button. This button toggles between the two modes.

211232 Swipe Readers

The Swipe Reader Dialog Box will contain the data for each track used. Parsed data will also appear at the top of the dialog box when a format is used such as ABA (format B). The serial port settings must match the DIP switches on the Reader.

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