AML Decoders

Bar Code & Magnetic Stripe Decoders

AML
American Microsystems, Ltd.

Exceptional first read rates even on faded or poor quality bar codes
Data collection requirements vary from operation to operation. That is why AML manufactures a complete line of bar code and magnetic stripe decoders, each with unique capabilities. AML decoding products provide users a wide array of computer interfaces and input device options from which to choose - ensuring the most cost-effective and flexible solution for specific data collection requirements

AML decoders are durable, simple to use and easy to install - no software changes are required. Scanned data appears as if typed from your keyboard. Scanning bar codes from a Reader Setup Menu easily programs each decoder. Choose from over 150 options to fully customize the reader to your specific needs.

AML decoders improve user accuracy and speed in repetitious data entry and are ideal solutions for document tracking, job tracking, serial number tracking, library check in/check out, POS applications, credit card processing, membership tracking, and much more.

Model 2000

Keyboard Wedge Decoder for Lasers, CCDs, Slots, MSRs & Wands

Our most popular & versatile bar code decoder

- Connect multiple devices at once
- Installs between the keyboard and personal computer
- Easily programmed
- Choose the M2500 Decoder for serial interface - connects up to three different input devices

Model 2800

USB Decoder for Lasers, CCDs, Slots, MSRs, & Wands

Exceptional first read rates even on faded or poor quality bar codes

- Easily connects to PC computer through USB interface
- Connect up to 4 different input devices at once
- Accepts undecoded laser, CCD, wand, magnetic stripe reader, slot reader, or RS-232 devices
- Reduced Space Symbology scanning capabilities: RSS-14, RSS-14 Stacked, RSS-Limited, RSS-Expanded, and RSS-Expanded Stacked

Model 1000

Keyboard Wedge Decoder for Slot Readers & Wand Scanners

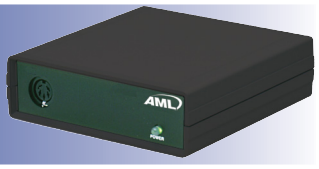
An affordable solution for keyless data collection

- Installs quickly between the keyboard and the personal computer
- Fast and accurate, even on poorly printed bar codes
- Requires no external power cord or power supply
- Automatically recognizes different bar code types (auto discriminates)

Model 100

Keyboard Wedge Decoder for Magnetic Stripe Readers

Reads bank cards, credit cards & other magnetic stripe data



- Reads all standard ABA/ANSI/ISO card formats
- Supports both single track (1, 2, or 3) or dual track (1&2 or 2&3)
- Allows bi-directional swiping of cards
- Audible beep indicates successful scan
- Reads all standard bank cards
- The M150 Decoder is available for serial interface

AML is a leading developer & manufacturer of reliable, high-performance bar code and data collection products. Since 1983, AML and its partners have helped thousands of companies worldwide to increase business efficiency and productivity – in manufacturing, warehousing, retail, health care, finance, government, and education. AML products are made in the United States and backed with lifetime, toll-free technical support.

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Specifications

Input Device:	**M1000**: Wand, slot reader (badge reader) **M2000**: Laser, CCD, wand, slot reader, magnetic stripe reader (single or dual track) **M2800**: Laser, CCD, wand, slot reader, magnetic stripe reader (single or dual track), RS-232 serial input port (electronic scale, portable terminal, etc.) **M100**: Magnetic stripe reader (single or dual track)
Bar Codes:	**M1000 & M2000**: Auto discriminates between: Code 39, Extended Code 39 (full ASCII), Interleaved 2 of 5, UPC-A, UPC-E, EAN-8, EAN-13, UPC & EAN supplements, Code 128, Code 93, Code 11, Codabar, MSI/Plessey, Bookland EAN, ISBN, Logmars **M2800**: Auto discriminates between: Code 39, Extended Code 39 (full ASCII), Interleaved 2 of 5 (variable and fixed length, check digit), UPC-A (including 2 and 5 character supplements), UPC-E (0), UPC-E (1), EAN (including ISBN and 2 of 5 character supplements), Code 128, Code 93, Code 11, MSI/Plessey, RSS14 (both linear or stacked), RSS Limited, RSS Expanded (both linear or stacked)
Programming:	**M1000 & M2000**: User programmable with reader setup menu. Enables/Disables each bar code type, Enables/Disables optional check digits, Up to 15 character preamble and postamble, Bar code accumulate/concatenate mode, Compressed or expanded UPC-E, Transmission of UPC-A and UPC-E NSC check digit, Enables/Disables UPC & EAN supplements (2 and 5 characters), Enables/Disables conversion of EAN-13 and ISBN **M2800:** User programmable with reader setup menu. Enables/disables each bar code type, bar code length, check digit, start/stop transmit, and beep tone and length. Enter Preambles/Postamble character strings: bar code (15 chars max), mag stripe (15 chars max), serial port (15 chars max), transmit delay, magnetic stripe data format. Configure laser device behavior and trigger mode: laser timeout, trigger function, continuous mode, transmit speed. **M100**: User programmable with DIP switches inside the case, Enable/Disable reading each data track, Enable/Disable sending all track data, Enable/Disable sending start & end sentinel characters, Enable/Disable account number, name and expiration date, Select track 1 field separation character, Select expiration date format MMYY or YYMM, Enable/Disable international keyboards (M100 only)
Keyboard Interface:	**M1000, M2000 & M100**: 5-pin circular DIN connector (IBM PC/XT/AT), also includes PS/2 adapter.
USB Interface:	**M2800**: USB Spec. 1.0 – 2.0 Functionally Compliant. Use a standard USB cable 3 Meters or less in length.
RS-232 Serial Port:	**M2800**: Baud rates: 1200, 2400, 4800, 9600, 19.2K. Parity: None, Odd, Even, Mark. Data bits: 7 (with parity) or 8 (with none). Signals: Transmit Data, Receive Data, CTS and RTS loop-back. Flow Control Protocol: None or XON/XOFF. Features: Programmable Termination Character and Timeout
Special Keys:	**M1000**: Function keys F1-F10, Ctrl, Alt, Shift, Home, End, PgUp, PgDn, Ins, Delete, Arrow keys, Backspace, Enter, Tab, Es **M2000 & M2800**: Function keys F1-F10, Ctrl, Alt, Shift, Home, End, PgUp, PgDn, Ins, Delete, Arrow keys, Esc
Termination Character:	**M1000 & M2000**: Carriage return (ENTER), carriage return & line feed, tab, user defined character, none **M2800**: Horizontal tab, carriage return, USB numeric keypad enter, user defined termination character, none
Power:	**M1000, M2000, & M100**: Receives power from the computer, Power consumption 0.5 watts (12V laser requires external power supply) **M2800**: Receives power from the PC USB interface. Idle power consumption = 0.25 watts. During USB suspend = 1.25mW.
Environmental:	**M1000, M2000, M2800 & M100**: Operating Temperature: 0° to +50° C. Storage Temperature: -30° to +70° C. Relative Humidity: 5% to 95% (non-condensing)
Physical:	**M1000, M2000, M2800 & M100**: Length: 5 ¼" x Width: 5 ⅛" x Height: 1½", 14 oz.

Specifications and information are subject to change without notice. All trademarks are property of their respective owners.

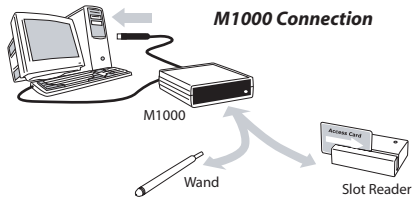
Maintenance & Support

A two (2) year warranty agreement is included with the purchase of AML bar code or magnetic stripe decoders. This standard warranty agreement includes toll-free technical support during normal business hours: (Monday-Friday, 8:30 a.m. to 5:30 p.m. C.S.T.)

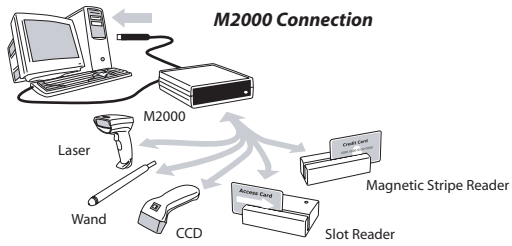
Extended Warranty Agreement

For our valued customers who want the peace of mind that comes with guaranteed turnaround on warranty repairs, we offer CARE Plan Extended Warranty (Critical Advanced Response Exchange), Extended Warranty Plus and Extended Warranty agreements for AML manufactured products.

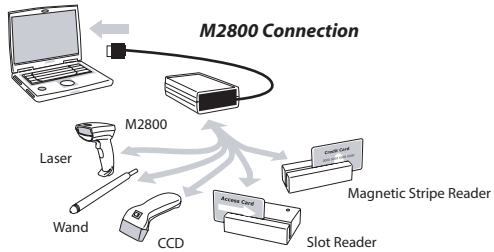
M1000 Connection



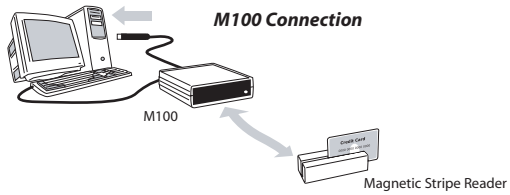
M2000 Connection



M2800 Connection



M100 Connection



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Innovation | Performance | Service | Commitment

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AML Business Partner

AML/DECODER

MADE IN THE U.S.A.