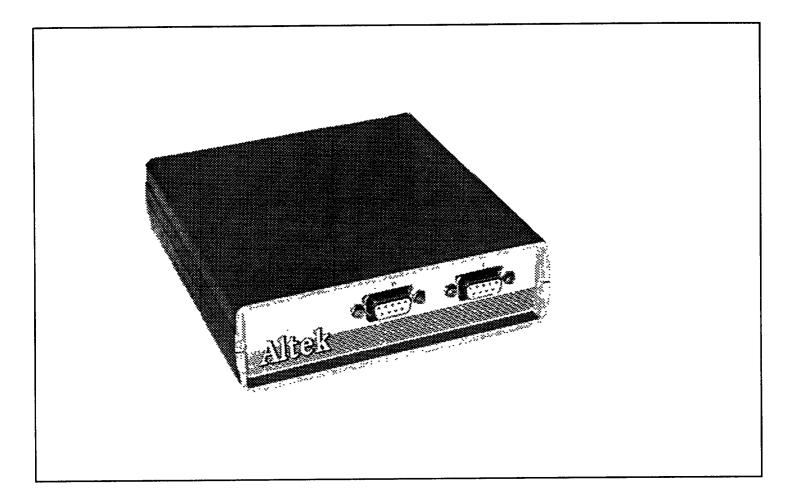# Altek

Multimode Programmable Barcode System

3000 Series

Features

- **Fully user programmable.**
- **Accumulate mode enables unit to function independently of computer.**
- **Five distinct installation modes.**
- **Can be customised to accommodate almost every input device.**
- **Two channels can handle any combination of scanners.**
- **Magstripe capability on both channels.**
- **Will read all 3 tracks from magnetic stripe bi-directionally.**
- **Audible and visual controllable indicators.**
- **Each channel can have individual prefix or suffix.**
- **Continuous visual indication of scanner operation.**
- **Channels can be combined to double output.**
- **Use of keyboard unaffected.**
- **All common codes decoded separately or together (autodiscriminate).**
- **Fully automatic verification and error checking.**
- **Software to print barcodes on dot matrix and HP LaserJet included.**
- **Full technical support.**

Description

The Altek Multimode 3000 series decoder is probably the most versatile data collection unit available. The unique accumulate mode allows the computer to be used for other tasks whilst using the decoder or the decoder can be completely detached from the computer and data downloaded later. All functions are programmable from a PC, selected from menus on the PC screen. You can customise the decoder to accommodate almost every input device and terminal. The two independent channels can handle barcode or magstripe readers and can be individually programmed with prefix or suffix codes for identification or other control purposes. Each channel has its own "tune" to avoid operator confusion. Both channels may be combined to double throughput or to allow two different types of scanners to be used. Each channel includes a magstripe decoder which can read all three tracks from a magnetic strip simultaneously and bi-directionally. The unit will read cards encoded to the ISO specifications. It can also be changed under program control to read cards encoded to special or proprietary specifications.

Five modes are possible:

Mode 1 Keywedge

This is the preferred operating mode if your computer or terminal is IBM PC/XT/AT/PS2 keyboard compatible. The decoder is fitted between keyboard and host and sends data just as if it had been typed at the keyboard. All applications programs expecting keyboard input will work.

Mode 2 Softwedge

Softwedge mode can be used with computers which are based on IBM PC's but are not totally keyboard compatible, i.e. Amstrad, Olivetti M24, Wyse PC. Connection is via a communications port. Softwedge mode emulates Keywedge mode in software so data is sent just as if it had been typed at the keyboard.

Mode 3 RS232 (Direct)

In RS232 (Direct) mode the decoder is used as a standard RS232 peripheral device connected to the serial port.

Mode 4 RS232 (In-Line)

RS232 (In-Line) mode is suitable when using a standard terminal (or a PC acting as a terminal). The barcoded data is sent to the computer just as if it had been typed at the keyboard. In-Line mode requires an Altek 'Multiplexer' junction box.

Mode 5 Accumulate

Enables data collection while decoder unit is detached from computer or while computer is being used for other tasks. Data can be downloaded via RS232 port.

Selection Options

3000/1 Developers Kit

3000/2 Multimode - RS232 wand

3000/3 Multimode - Keywedge wand

3000/25 Multimode - Slot Reader

3000/53 Multimode - RS232 In-Line

3000/40 Multimode - 40mm C.C.D.

3000/60 Multimode - 60mm C.C.D.

Print programs for use with Epson Dot Matrix or HP LaserJet.

(Software supplied on 5.25" disk unless 3.5" requested)

Specification

Dimensions

Height 35mm
Width 120mm
Depth 130mm
Weight 350gms
Keyboard cable length (8843/3) 1.5m
RS32 cable length (8843/1/2/53) 1.5m

Power Supply

P.S.U. 220-240V AC input 7.5v @ 200mA DC output.

Barcodes Decoded

All the common codes:-

. . . . EAN13,EAN8,UPC A
. . . . Code 3 from 9 (Code 39)
. . . . Interleaved 2 from 5
. . . . Code 128
. . . . Codabar

Interfaces

Keywedge - direct keyboard scancode emulation. Switchable to work with IBM PC/XT/AT/XT286/PS2 and keyboard compatible computers. All computers and terminals with IBM OEM keyboard. RM Nimbus all models. Asynchronous keyboards transmitting at 1200 baud/8 data bits/TTL voltages.

Any RS232 terminal.

Electronics

State of the art - all CMOS microcomputer controlled.

Print Software included

Programs for printing barcodes:-

. . . . EAN13 EAN8 UPC A
. . . . Code 3 from 9 (Code 39)
. . . . Interleaved 2 from 5
Source code (ASCII) files provided.

Soft-wedge software

A 'TSR' program (Terminate and Stay Resident) requiring an IBM PC or Compatible computer running a MSDOS application. MSDOS must be V2.00 through to V3.3. Installs from AUTOEXEC.BAT or from the DOS Prompt.

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