

Master™ B+ & Master™ BB+

Decoders



Powerful and Versatile Multi-Interface Decoders

MASTER™ B+ and MASTER™ BB+, allow you to connect a variety of input devices to more than 2,000 different terminals and PCs.

The MASTER B+ features dual input ports for connection of undecoded and RS-232 devices, including wands, CCD scanners, laser scanners, badge readers, magnetic stripe readers, POS scanners, scales, and OCR readers. The MASTER B+ also features dual communication ports, one for host connection and the other for auxiliary input. Host communication modes supported include keyboard wedge, RS-232, RS-485 multidrop, OCIA, IBM 46XX plus wand, MSR and laser emulation. In addition, adapters are available for RS-422, 20 mA current loop, and more.

More than a decoder, the MASTER B+ functions as a powerful and flexible bar code data collection system controller. The MASTER B+ can serve as a netdriver or satellite on PSC's RS-485 SMARTNET, and can control devices via relay activation.

Programming the MASTER B+ is easy, with three available methods, including bar code menus, downloading software, and cloning. The MASTER B+ autodiscriminates and decodes up to 21 different bar code symbologies (including 2D).

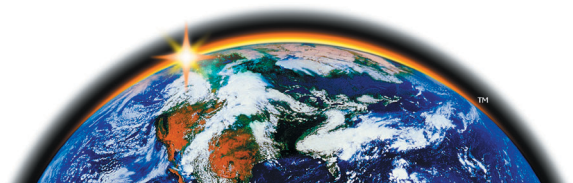
The MASTER BB+, the world's most popular decoder, is a smaller and less expensive version of the MASTER B+, with a single input port and single communication port. It supports the same programming methods, bar code symbologies, input devices, and communication interfaces as the MASTER B+, and connects to the same set of terminals and PCs. Additionally, the MASTER BB+ can function as a satellite on PSC's SMARTNET.

Both the MASTER B+ and MASTER BB+ interface to more terminals and PCs than any other decoder. An editing mode is available with both the MASTER B+ and MASTER BB+, designed to offer you complete flexibility to change the format of the data input message before transmission to the host system. Input data can be from bar code scanners, magnetic stripe readers, or any RS-232 auxiliary device.

For easy connectivity and decoding nothing beats the MASTER B+ and MASTER BB+ decoder wedges.

Features:

- Supports all kinds of data capture devices
- Multiple communication interface types
- Supports over 2,000 terminals and PCs
- Three programming methods
- Decodes up to 21 bar code symbologies (including 2D)
- Input data editing



Specifications

MASTER™ BB+ & MASTER™ BB+

PRODUCT and SYSTEM

Mechanical

Dimensions

MASTER B+

Length: 5.7" / 14.4 cm

Width: 4.3" / 11.0 cm

Height: 0.9" / 2.3 cm

MASTER BB+

Length: 3.0" / 7.5 cm

Width: 2.3" / 5.7 cm

Height: 0.7" / 1.8 cm

Weight

MASTER B+: 7 ozs. / 200 g

MASTER BB+: 2 ozs. / 60 g

Construction

Case: high-strength ABS-blend plastic

Environmental

Temperature rating

Operating: 32° to 131° F / 0° to 55° C

Storage: -4° to 158° F / -20° to 70° C

Humidity: 5 to 95% NC

Shock: multiple 4-ft. drops to concrete

Decoding Capability

UPC A, E / EAN 8,13 / JAN 8,13 (extensions)

EAN 128 Ames

Codabar Codablock A & F

Code 11 Code 39

Code 39 Full ASCII, multiread, mod. 43, CIP

Code 93 Code 128

Interleaved 2 of 5 (fixed or variable length modes)

Standard 2 of 5 Matrix 2 of 5

IATA ISBN Conversion

Label Codes 4/5 MSI / Plessey

PHARMA 32/39 TELEPEN

Delta distance A

Safety & Regulatory

Electrical: Complies to UL, FCC-A, CE

Emissions: Complies to FCC Class A
radio frequency

System

Communication Port

25-pin female D-sub: B+ & BB+

• Keyboard wedge (more than 2000)

• RS-232 (standard & TTL levels)

• RS-485 (for network applications)

• OCIA, wand and MSR emulations

• IBM 46XX

• Adapters for RS-422, 20 mA current loop

25-pin male D-bus: B+

• RS-232

Decoder Programming Methods

• Bar code menu

• PC and downloading configuration software

• Cloning mode

Input Editing

• Enable/disable four data editors

• Define data qualifiers: bar code type(s),
bar code length(s), predefined characters

• Up to 5 define data fields by length or
delimiters

• 2 define fields (up to 6 characters) of text and
2 action keys to be added to each data string

• Define output sequence of data fields and
added data fields

• Define output redirection

Input Ports – 9-pin male D-sub

Port J1 & J2: B+ & Port J1 BB+

- wands, CCD scanners, laser guns,
optical badge readers, single or dual
magnetic stripe readers

Port J2: B+ & Port J1: BB+

- Bi-directional RS-232 also available

Power

MASTER B+

- DC 5 V ± 10% 40 mA

MASTER BB+

- DC 5 V ± 10% 30 mA

Technology

- HC-MOS surface mount components,
12 MHz processor
- 128 Kbyte EPROM
- 8 Kbyte RAM
- 5 Kbyte EEPROM
- ASIC
- Metal D-sub connectors



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