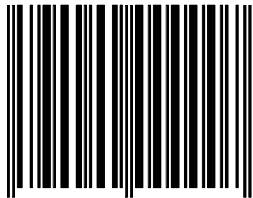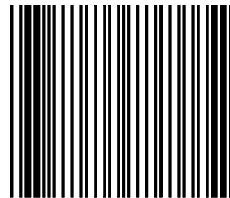### Enter/Exit Programming Mode

Scan this barcode to enter the set-up or to exit after the set-up is finished. The LED would remain red when in programming mode.
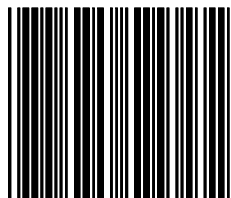
Display firmware version

Show the current firmware version on the host screen.
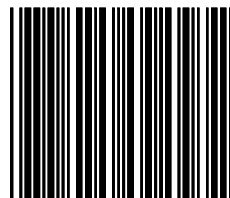
-------- Folding Line --------

Return to PC/AT default

This barcode allows setting as keyboard wedge interface for IBM PC AT/PS/2 and compatibles.
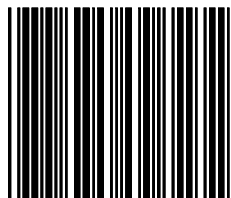
Return to RS-232 default

The RS-232C interface scanner is often used when connecting to the serial port of a PC or terminal.

-------- Folding Line --------

Return to USB default

Reading of "Return to USB default" sets the device into USB interface support.

Reset (Return to Factory Default)

Reading of "Reset" barcode label turns all parameters back to default values, and the scanner remains in the last interface set when it is reset.

-------- Folding Line --------

* Since the scanner has a large scan volume and multiple scan lines, it is suggested to fold this page according to the dotted line so you can easily present the desired barcode to the scanner.

* The scanner must be properly powered before programming. It would acknowledge a good and valid reading with a short beep.

* For more set-up selections, please refer to Programming Guide in the CD-ROM in the package.

Ver. 1.0
P/N: 593-75190E-200

Miniature Dual-Laser Omnidirectional Hands-Free Scanner

Quick guide

Introduction

This Quick Guide applies to the Miniature Dual-Laser Omnidirectional Scanner. Detailed information about configuration and parameter setting can be found from the Programming Guide in the CD-ROM in the package.

We reserve the right to make changes to improve reliability, function or design. For the latest revision of the manual please contact your distributor.

Unpacking

The scanner package may be altered upon customer request but it usually contains
- 1 ea. scanner
- 1 ea. Interface cable, and
- 1 ea. Programming Guide in CD-ROM

Installation

The scanner is to be connected to a host (e.g. POS). This figure gives you an overview of the cable installation.
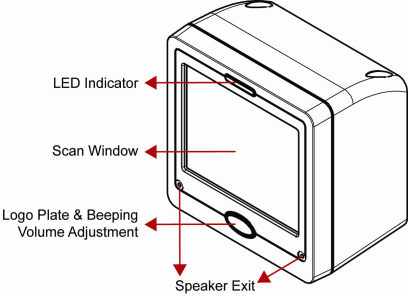
Power

The scanner requires a minimum of 320mA at 5V DC. The use of external power depends on the power supply of the host system; it is usually not required for PS/2 and USB interface. It turns on when power is supplied and turns off when power is removed. There is no on/off switch on the scanner itself.
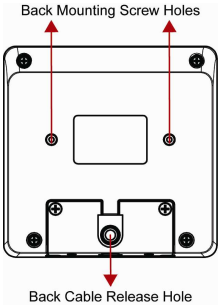
Cable Replacement

The interface cable comes with different host-end connectors and the cable is attached to the scanner with a 10-pin modular connector. When properly seated, the scanner is secured in the scanner bottom by a flexible retention tab. The cable is designed to be field replaceable. Replacement cables can be obtained from your authorized distributor.
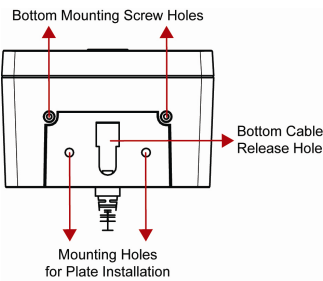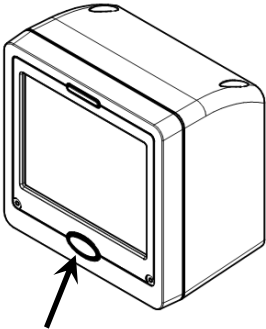
Scanner Parts

Front View

LED Indicator
Scan Window
Logo Plate & Beeping Volume Adjustment
Speaker Exit

Back View

Back Mounting Screw Holes
Back Cable Release Hole

Bottom View

Bottom Mounting Screw Holes
Bottom Cable Release Hole
Mounting Holes for Plate Installation

Description	Function	Description	Function
LED Indicator	Reading status indication	Cable Release Hole	Connecting interface cable
Scan Window	Read barcodes		
Logo Plate & Beeping Volume Adjustment	Carry brand name; allow sound indication volume adjustment	Back/Bottom Mounting Screw Holes	For permanent fixture of the scanner
Speaker Exit	For beep tone indication	Mounting Holes for Plate Installation	For permanent fixture of the mounting plate

Tone and Volume Adjustment

The scanner can be programmed with the Programming Guide to change beeper tone, volume and duration; the volume can also be changed by using the logo plate in the front as indicated in the below figure. To change the volume, gently touch the logo and the scanner would cycle to its next level. Repeat touching it till the desired level is reached.

However, the volume setting is saved in volatile memory. That means the change will lost when the scanner powers down. On next power-up the scanner would reset to the configured setting. If you wish to keep the changed volume setting, use the Programming Guide to set and save the changes.

Verifying Scanner Operation

Before mounting your scanner, please follow the procedure below to verify scanning operation.

1. Use a screw driver to release the mounting plate from the device.
2. Insert the interface cable into the "Host" connector at the back of the scanner until a firm click is heard.
3. Plug the other end of the cable to the host.
4. Plug the power adapter into the jack on the interface cable if required.
5. Power up the scanner. The speaker sounds four beeps and the LED indicator glows blue.
6. Present a known-good test barcode to the scanner. The scanner should issue a short beep and the LED should flash red once.
   - The scanner should read one barcode, beep, and the LED remain red if it is connected to a keyboard wedge but not connected to a live host terminal.
   - The LED would flash red and read no barcode if the scanner is programmed in USB interface but not connected to a host device.

LED Indications

There are red and blue dual color LED indications on the head of the device indicating the operational status of the scanner.

Sound Indications

The device uses a speaker to give audio feedback on scanner operation. The following are the sound indications.

LED Status	Indication	Beeps	Indication
LED off	No power supplied to the scanner.	One beep	A barcode has been successfully decoded.
Steady blue light	The scanner is powered on and ready to scan.	Two beeps: low-high	The scanner has entered programming mode.
One red flash	A barcode has been successfully decoded.	Two beeps of the same tone	Scanner has returned from programming to normal mode.
Steady red light	The scanner is in programming mode.	Four beeps in series continuous tone	This indicates the scanner passed self-test when powered on and is operating properly.
Flashing blue light	The scanner is in sleep mode.		
Steady red/blue light	The scanner has a motor or laser failure. Return the unit for repair.		
Flashing red light	The scanner is programmed in USB interface but not connected to a host device.	Continuous tone	This is a failure indication. Return the unit for repair.

Laser Safety

The laser scanner complies with safety standard IEC 60825-1 for a Class I laser produce.   It also complies with CDRH as applicable to a Class IIa laser product. **Avoid long term staring into direct laser light.**

CAUTION: Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.