unitech
because we care

MS910 Wireless Barcode Scanner
Quick Guide

Full user's manual is available on the enclosed CD.

Version 1.2
400947G

OUT OF THE BOX

Mini Wireless
Barcode Reader

CD

Quick Guide

Quick Connection Card

Hand Strap

USB Charger Cable

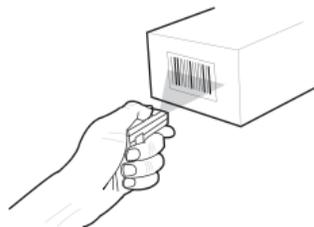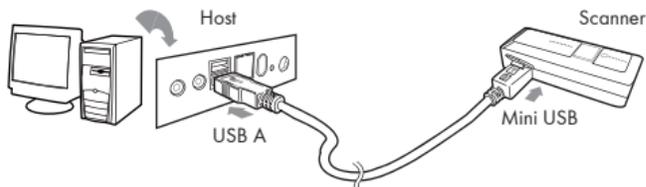# INTRODUCTION

2. Trigger

3. LED Indicator

1. Mini USB port
(for charging only)

4. Exit Window

5. Hard Reset Button
(insert pin into the hole)

SPECIFICATIONS

Light source	625nm visible red LED
Scan rate	240 scans/sec
Sensor	Linear CMOS sensor
Resolution	5mil/ 0.127mm
PCS	30%
Housing	Plastic(ABS)
Profile	SPP, HID
Working Hours	8 hours (1 scan/ 5 sec)
Charge Time	2 hours (fully charged)
Coverage	10M/33ft. (line of sight)
Operating Temp	0 to 50°C (32°F to 122°F)
Symbologies	All major 1D barcodes incl. GS1 Databar

GETTING STARTED

To scan a barcode, make sure the aiming beam crosses every bar and space of the barcode.

CHARGING THE BATTERY

1. Flip open the mini USB port on the scanner.
2. Insert the mini USB connector into the port on the scanner and USB A connector into a USB port on the host PC.

BEEPER INDICATION

Single long beep	Power up
Single beep	Good read
Single short beep	The scanner reads a Code39 of ASCII in configuration procedure
Two beeps	Wireless connection
Two short beeps	The scanner successfully reads a configuration barcode
Five beeps	Low power
Three beeps	Wireless disconnection
Three short beeps	i. The scanner reads a barcodes while disconnected. ii. The scanner reads an unexpected barcode during configuration procedure. (scan [RESET] to abort and start over)
Several short beeps	The scanner switches from one communication mode to another

LED INDICATION

Off	Standby or Power off
Flashing Green	Disconnected or Discoverable
Green for 2 sec	Good Read
Flashing Red	Low power
Solid Red	Charging

GETTING CONNECTED 🔊

There are two modes of wireless communication:

. E042$

SPP

1. Press the trigger for 1 second to activate the scanner.
2. Scan [**DISCONNECT**]
3. Scan [**SPP**]; the scanner will emit several short beeps.
4. Select "Wireless Scanner" from discovered device list. The default pincode is "1234".
5. Open serial communication software with com port (see Device Manager) properly set up.
6. The scanner will beep twice to verify the connection.

. E043$

HID

1. Press the trigger for 1 second to activate the scanner.
2. Scan [**DISCONNECT**]
3. Scan [**HID**]; the scanner will emit several short beeps.
4. Select "Wireless Scanner" from discovered device list.
5. The wireless application may prompt you to scan a pincode(see **PINCODE SETUP** 🔊 section) it generated.
6. The scanner will beep twice to verify the connection.

. E031$

Disconnect

PINCODE SETUP 🔊

STEP 1

Pincode Start

. E032$

STEP 2

Scan numeric barcodes (see **NUMERIC BARCODES** 🔊 section on the next pages) based on the pincode generated by the wireless application.

STEP 3

Enter

$TX

STEP 4

Pincode Stop

. E033$

‖‖‖‖‖‖‖	1	6	‖‖‖‖‖‖‖
‖‖‖‖‖‖‖	2	7	‖‖‖‖‖‖‖
‖‖‖‖‖‖‖	3	8	‖‖‖‖‖‖‖
‖‖‖‖‖‖‖	4	9	‖‖‖‖‖‖‖
‖‖‖‖‖‖‖	5	0	‖‖‖‖‖‖‖

SMARTPHONE CONNECTION - iOS (Apple)

Getting Connected

Please pair with the scanner via [**BT mode - HID**]. (page 5)

Getting Connected without Pincode

. E049$

ENABLE SSP

Secure Simple Pairing (SSP), supported by Bluetooth 2.1 or above, allows you to pair with iOS without pincode. Please scan [**Enable SSP**] above before entering the pairing procedure of [**BT mode - HID**]. (page 5)

Touch Keyboard

. E047$

ENABLE iOS HOTKEY

. E048$

DISABLE iOS HOTKEY

1. After enabling iOS Hotkey(disabled by default), you may simply double-click the trigger to toggle the iPhone/iPad Touch Keyboard.
2. The function is supported by firmware 1.04 or higher.

SMARTPHONE CONNECTION - Android

Getting Connected

To get connected to Android, please follow the instruction in [**BT mode - SPP**] (page 5)

*Note:
1. Android 3.0 or higher version may also support Bluetooth HID profile.
2. If you operate in SPP mode but your application does not support direct external device connections, please refer to below section.

Keyboard Wedge Software (BluetoothConnect)

BluetoothConnect is a free keyboard wedge software that can convert SPP data into virtual key-strokes on any Android applications. Please follow below steps:

1. Pair with the scanner via [**BT mode - SPP**]. (page 5)
2. Enable unknown resources in Android Authority.
3. Install BluetoothConnect.apk, which is available on CD, and enter the program.
4. Enable BluetoothConnect in the Language & Keyboard setting window and choose BluetoothConnect as Current Input Method.
5. Click [Connect to Barcode Reader] on the menu and select the paired wireless scanner.
6. The scanner will beep twice to verify a successful connection.

*Note: Please contact with your sales representative for detailed information on BluetoothConnect.

POWER OFF TIMEOUT

The timeout before automatic power-off to save power.

. B017$

1 MIN

. B018$

3 MIN

. B019$

5 MIN

. B020$

10 MIN

. B021$

DISABLE
(NO POWER-OFF)

LINK QUALITY

. E035$

ENABLE

. E036$

DISABLE

Link Quality (enabled by default) ensures a more secure data transmission from the scanner to the cradle/host. To make the transmission range wider, you may disable Link Quality, but the data transmission security will become less reliable.

GENERAL SETTINGS

. A001$	DEFAULT
. P023$	RESET
. A007$	CHECK VERSION

BEEPER

. F012$	BEEP OFF
. F018$	**BEEP ON**

READING MODE

. F002$	**TRIGGER**
. F003$	TOGGLE
. F001$	FLASH
. F005$	CONTINUOUS
. F006$	CONTINUOUS AUTO OFF

KEYBOARD LAYOUT

. C010$

ENGLISH (USA)

. C018$

ENGLISH (UK)

. C012$

FRENCH

. C011$

GERMAN

. C014$

ITALIAN

. C013$

SPANISH

. C009$

JAPAN (106 key)

. C025$

CANADIAN (FRENCH)

. C034$

CANADIAN (TRADITIONAL)

. C029$

NORWEGIAN

. C026$

SWEDISH

. C031$

PORTUGUESE

KEYBOARD LAYOUT

. C017$

CZECH
(QWERTY)

. C022$

CZECH
(QWERTZ)

. C021$

HUNGARIAN
(QWERTZ)

. C024$

HUNGARIAN
(101 KEY)

. C016$

SWISS
(GERMAN)

. C023$

SWISS
(FRENCH)

BELGIAN
(AZERTY)

. C030$

DUTCH

. C028$

DANISH

. C027$

SLOVAK

. C032$

BRAZILIAN
(PORTUGUESE)

. C033$

ALT CODE

. C015$

ENABLE SYMBOLOGIES

Barcode	Label	Label	Barcode
`. A002$`	ENABLE ALL CODE	CODE 93	`. G010$`
`. K010$`	CODE 32	IATA	`. N017$`
`. L010$`	UK PLESSEY	TELEPEN	`. L014$`
`. L001$`	MSI	GS1 DATABAR	`. N032$`
`. N001$`	INDUSTRIAL 2 OF 5	GS1 DATABAR LIMITED	`. N010$`
`. M010$`	MATRIX 2 OF 5	GS1 DATABAR EXPANDED	`. N026$`

TERMINATOR

. D012$

CR

. D011$

LF

. D013$

CR + LF

. D010$

NONE

. D015$

SPACE

. D014$

TAB

TEST BARCODES

Code 39

CODE-39 TEST

Interleaved 2 of 5

9876543210

Code 128

12345678

EAN

4 716415 942052