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MS626 Plus

2D Wireless Ring Scanner

Quick Start Guide

Please visit our website for more details.

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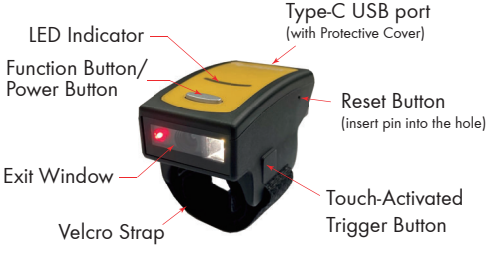
Version 1.2

INTRODUCTION



SPECIFICATIONS

Sensor	Area Image Sensor
Resolution	4mil/ 0.1mm (1D), 10mil/ 0.25mm (2D)
Indicator	LED, Buzzer
PCS	10%
Housing	Plastic(PC+ABS)
Profile	BT HID, BT SPP, USB HID, USB VCP, Memory
Battery Life	4000 scans (1 scan/ 5 sec)
Charge Time	2.5 hours (fully charged)
Radio	Bluetooth 5.0 dual mode (Class2)
Coverage	20M/66ft. (line of sight)
Symbologies	All major 1D & 2D barcodes

BEEPER INDICATION

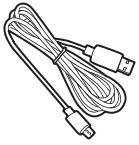
Single beep	Good read
Single short beep	The scanner reads a Code39 of ASCII in configuration procedure
Two beeps	i. Wireless connection ii. The scanner successfully reads a configuration barcode
Three beeps	Wireless disconnection
Three short beeps	i. The scanner reads a barcode while disconnected. ii. The scanner reads an unexpected barcode during configuration procedure. (scan [ABORT] to abort and start over) iii. Memory Full
Four beeps (Hi-Lo-Hi-Lo)	Out of range/Poor connection
Five beeps	Low power

LED INDICATION

Off	Standby or Power off
Flashing Blue	Disconnected or Discoverable
One Green Flash	Good Read
Flashing Red	Low power
Solid Red	Charging

OUT OF THE BOX

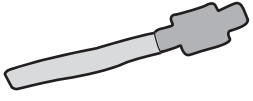
2D Wireless
Ring Scanner



USB-C Charger Cable

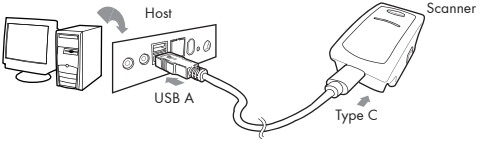
Quick Start Guide

Hang Tag



Spare Velcro Strap

CHARGING THE BATTERY



1. Flip open the Type-C USB port on the scanner.
2. Insert the Type-C USB connector into the port on the scanner and USB A connector into a USB port on the host PC or a smartphone charger.
3. Keep charging until the red LED indicator turns off.

STEP 1 - GETTING STARTED

1. Pull open the long end and insert your index finger through the loop.

2. Adjust and attach the long end for a comfortable fit.

3. Clench your fist and use your thumb to tap the touch-activated trigger button. A gentle touch on the button will work; there is no need to press with force.

4. Aim at the barcode you wish to scan.

ATTENTION

1. If either your hand or the Velcro strap is soaking wet, the Laser beam may automatically light up without touch trigger. The scanner can still work well in this condition but it will waste battery power, so it is recommended to dry both your hand and the Velcro strap.
2. The following gloves have been tested to be working with the touch-activated button: latex examination glove, antistatic glove, white cotton glove (with or without latex coating), safety glove, and rubber glove. However, it is still recommended to operate with bare hand or thin glove to ensure the responsiveness of button.
3. Don't need to tighten Velcro strap too much. Just make the strap fit your finger so that the scanner will not easily move while being touched for trigger. We also suggest to release the strap from your finger for 1 minute after 2 hours of continuous use if your finger feels uncomfortable.

STEP 2 - BUTTON PREFERENCE

Scan one of below configuration barcodes to determine which touch-sensing button to enable according to your habit:

. F064$

Right Button Only
[For Left-handed User]

. F065$

Left Button Only
[For Right-handed User]

. F066$

Both Buttons

STEP 3 - INTERFACE SELECTION

Scan one of below configuration barcodes to determine your interface:

BT HID
[Recommended]

. E043$

BT SPP

. E042$

USB HID

. C008$

USB VCP

. C006$

Memory Mode

. C035$

1. **BT HID, BT SPP** - Emulates a **Bluetooth HID keyboard or Bluetooth serial device,** please see next page for details.
2. **Memory Mode** - Emulates a **USB mass storage device** that collects barcode off-line, please see page 22 - 26 for details.

GETTING CONNECTED

There are two modes of wireless communication:

. E043$

[Recommended]

BT mode - HID

1. Press power button to activate the scanner.
2. Scan [**DISCONNECT**]
3. Scan [**BT mode - HID**]
4. Select "MS626Plus_XXXX" from discovered device list.
5. The scanner will beep twice to verify the connection.

. E042$

BT mode - SPP

1. Press power button to activate the scanner.
2. Scan [**DISCONNECT**]
3. Scan [**BT mode - SPP**]
4. Select "MS626Plus_XXXX" from discovered device list.
   If pincode is requested, enter default pincode "1234".
5. Enter serial communication software and open com port occupied by the scanner.
6. The scanner will beep twice to verify the connection.

. E031$

Disconnect

SMARTPHONE/TABLET TOUCH KEYBOARD

Please follow below instruction to toggle touch keyboard on smartphone/tablet.

iOS

To toggle iOS touch keyboard, please simply press the function button.

Android

1. Enter "Settings"
2. Enter "Language & input"
3. In Keyboard & input window, tap "Default" to continue.
4. Turn off "Hardware - Physical keyboard", and the Touch Keyboard will function properly again.

NUMERIC BARCODES

1

2

3

4

5

6

7

8

9

0

POWER OFF TIMEOUT

The period of inactivity before auto power-off.

Variable Timeout

. B030$

SET HOUR
(Range: 00 ~ 08)

. B029$

SET MINUTE
(Range: 00 ~ 59)

The default timeout is 3 minutes.
For example, to set the timeout as 1 hour and 30 minutes:

1. Scan [Set Hour]
2. Scan [0] & [1] on page 11 & 12.
3. Scan [Set Hour]
4. Scan [Set Minute]
5. Scan [3] & [0] on page 11 & 12.
6. Scan [Set Minute]

No Timeout (Scanner Always On)

. B021$

DISABLE
TIMEOUT

Warning! This will cause the battery to drain quickly.

INTERCHARACTER & INTERBLOCK DELAY

. B009$

SET INTERCHAR
DELAY
(Range: 000 ~ 255)

The default intercharacter delay is 2ms. The configurable range is 0 ~ 255ms, with increments of 1ms.

For example, to set intercharacter delay to 8ms:

1. Scan [Set Interchar Delay]
2. Scan [0], [0], [8] on page 12.
3. Scan [Set Interchar Delay]

. B007$

SET INTERBLOCK
DELAY
(Range: 000 ~ 255)

The default intercblock delay is 0ms. The configurable range is 0 ~ 2550ms, with increments of 10ms.

For example, to set interblock delay to 20ms:

1. Scan [Set Interblock Delay]
2. Scan [0], [0], [2] on page 11 & 12.
3. Scan [Set Interblock Delay]

GENERAL SETTINGS

DEFAULT

ABORT

CHECK VERSION

BEEPER

BEEP ON

BEEP OFF

TERMINATOR

CR

LF

CR + LF

NONE

SPACE

TAB

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)

. C030$

BELGIAN
(AZERTY)

. C028$

DUTCH

. C027$

DANISH

. C032$

SLOVAK

. C033$

BRAZILIAN
(PORTUGUESE)

. C015$

ALT CODE

ENABLE SYMBOLOGIES

ENABLE
ALL CODE

ENABLE
ALL 1D CODE

ENABLE
ALL 2D CODE

MEMORY MODE

MEMORY MODE

After scanning the above barcode, the scanner will be able to collect barcode data off-line. The barcode data will be stored in the format of:
< **Date** >, < **Time** >, < **Barcode Data** > < **CR** >

To retrieve stored data, please connect the scanner to the host with cable, access removable storage device "**MiniScan**" from which you may open or copy the file "**BARCODE.txt**" to your computer.

To delete ONE stored data, please scan below barcode. Alternatively, you may press the function button once.

DELETE LAST DATA

To delete ALL stored data, simply delete the file "**BARCODE.txt**" in the removable storage device "**MiniScan**" until you hear two beeps.

MEMORY MODE DATE & TIME SETUP

. R006$

SET DATE

Example: To set Date to 2023-02-01 (Year-Month-Day):
1. Scan [Set Date]
2. Scan [2], [3], [0], [2], [0], [1] on page 11 & 12.
3. Scan [Set Date]

. R007$

SET TIME

Example: To set Time to 08:10:30 am (Hr:Min:Sec)
1. Scan [Set Time]
2. Scan [0], [8], [1], [0], [3], [0] on page 11 & 12.
3. Scan [Set Time]

* Full drain of battery may cause the Time and Date to stop. To avoid this, please fully charge the scanner for at least 1 hour before use.

MEMORY MODE DATA FORMAT

. R011$

DATA FORMAT

The default Data Format is <Date>, <Time>, <Barcode Data> only below are all items available for display and their codes:

Code	Item	Code	Item
2	Date	3	Time
4	Barcode Data		

Example:
To change Data Format to <Barcode Data>, <Date>, <Time>
1. Scan [Data Format]
2. Scan [4], [2], [3] on page 11.
3. Scan [Data Format]

. R010$

FIELD SEPARATOR (DELIMITER)

Default is comma (,) You may replace it with any alphanumeric characters from the full ASCII table in Full User's Manual.

Example: To change Field Separator to Semicolon (;)
1. Scan [Field Separator]
2. Scan [;] from the full ASCII table.
3. Scan [Field Separator]

MEMORY MODE DATE FORMAT

. R008$

DATE FORMAT

The default Date Format is DD/MM/YYYY (Code = 09), below is full list of available formats and their setup codes:

Code	Format	Code	Format
01	DD-MM-YYYY	09	DD/MM/YYYY
02	MM-DD-YYYY	10	MM/DD/YYYY
03	DD-MM-YY	11	DD/MM/YY
04	MM-DD-YY	12	MM/DD/YY
05	YYYY-MM-DD	13	YYYY/MM/DD
06	YY-MM-DD	14	YY/MM/DD
07	DD-MM	15	DD/MM
08	MM-DD	16	MM/DD

Example:
To set Date Format to MM/DD/YY (Code =12)
1. Scan [Date Format]
2. Scan [1], [2] on page 11.
3. Scan [Date Format]

MEMORY MODE TIME FORMAT

. R009$

TIME FORMAT

The default Time Format is HH:MM:SS (Code = 01), below are available formats and their setup codes:

Code	Format	Code	Format
01	HH:MM:SS	02	HH:MM

Example:
To set Time Format to HH:MM (Code = 02)
1. Scan [Time Format]
2. Scan [0], [2] on page 11 & 12
3. Scan [Time Format]

HOW TO REMOVE VELCRO STRAP

1. Pull open the long end.

2. Pull out the long end through the slot.

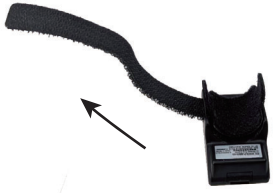
3. Pull open the short end on the other side.

4. Keep pulling the short end until the entire Velcro strap is removed from the scanner.

HOW TO INSTALL VELCRO STRAP

1. Insert the long end through the one slot, with the Velcro side facing downward.

2. Pull the long end all the way through.



3. Insert the long end through the other slot, with Velcro side facing upwards.

4. Fold the long end over and press the Velcro surfaces together to secure.

TEST BARCODES

Code 39

Interleaved 2 of 5

Code 128

EAN

TEST BARCODES

QR Code

Micro QR Code

PDF417

Data Matrix

Aztec