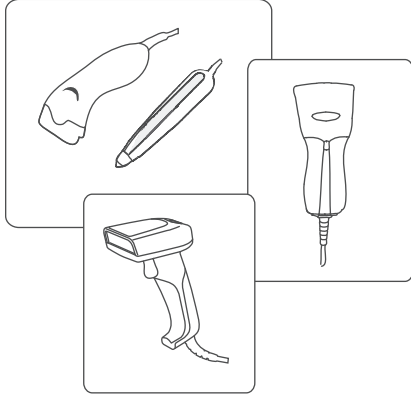# unitech

Barcode Scanner
Quick Guide
v2015

PN: 8013-01ZZ000

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

FCC Radiation Exposure Statement
This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

- 1 -

Preface

Before using the scanner, pleaes study the Quick Guide carefully to help you quickly setting. For more detail scanner setting, please go to www.ute.com to download the user manual and scanner configuration manager utility.
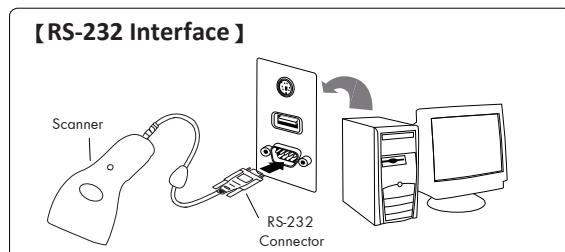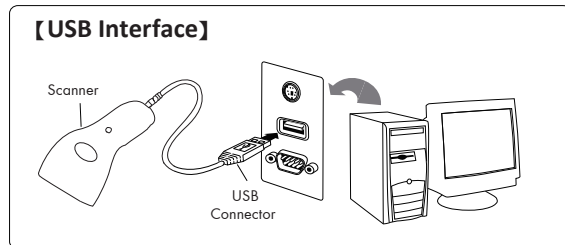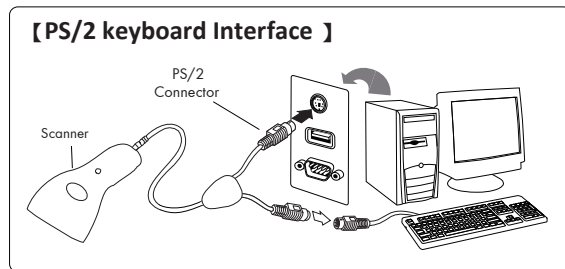
Safety precautions

Be sure to observe all these safety precautions.
• Please READ through these instructions carefully, They will enable you to use the scanner correctly.

• Always keep this manual nearby for speedy reference.
Strict observance of these warning and caution indications is a MUST for preventing accidents which could result in bodily injury and substantial property damage. Make sure you fully understand all definitions of these terms and related symbols given below, before you proceed on to the text itself.

⚠ WARNING	· Alerts you could cause serious bodily injury or death or result in fire and damage the scanner under those conditions below.
⚠ CAUTION	· Alerts you to those conditions which could cause minor bodily injury or substantial property damage if the instructions are not followed correctly.

- 2 -

⚠ WARNING	
🚫	· Take any metals into contact with the terminals in connectors. · Use the scanner where any inflammable gases.
❗	If following condition occur, immediately power off the host computer, disconnect the interface cable, and contact your nearest dealer. · Smoke, abnormal odors or noises come from the scanner. · Drop the scanner so as to affect the operation or damage its housing.

⚠ CAUTION	
🚫 Do Not	Do not do behavior below. · Put the scanner in places excessively high temperatures such as expose under direct sunlight. · Use the scanner in extremely humid area or drastic temperature changes. · Place the scanner in oily smoke or steam environment such as cooking range. · Be covered or wrapped up the scanner in bad-ventilated area such as under cloth or blanket. · Insert or drop foreign materials or water into scanning window or vents. · Using the scanner while hand is wet or damp. · Use the scanner with anti-slip gloves containing plasticizer and chemicals or organic solvents such as benzene, thinner, insecticide etc to clean the housing. Otherwise, it could not result fire and electrical shock but housing may be broken and injured. · Scratch or modify the scanner and bend, twist, pull or heat its interface cable. · Put heavy objects on interface cable. Do not stare the light source from the scanning window or do not point the scanning window at other people's eyes or eyesight may be damaged by direct exposure under the light.
🚫	· Do not put the scanner on an unstable or inclined plane. The scanner may drop, creating injuries.
❗	Once the interface cable is damaged such as exposed or broken copper wires, stop using immediately and contact your dealer. Otherwise, it could result fire or electrical shock.

- 3 -

Hardware Installation

【PS/2 keyboard Interface 】

Scanner
PS/2 Connector

【USB Interface】

Scanner
USB Connector

【RS-232 Interface 】

Scanner
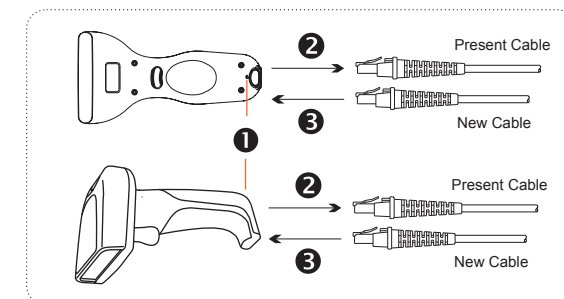RS-232 Connector

- 4 -

*Note:

- When disconnecting the interface cable, hold the connector housings not the cables. Pulling cables will result in breaks.

- Avoid connecting and disconnecting of connectors all if possible. Doing so may result in weak contact.

【 To Change a Cable 】

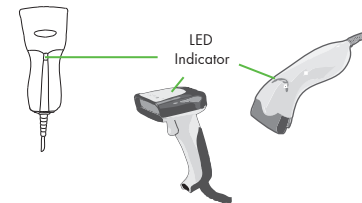To change a cable, simply follow these steps:

1. To release the cable, insert a pin or straightened paper clip into the hole at the base of the scanner where the cable is connected.
2. Remove the cable from the scanner.
3. Plug in the new cable.

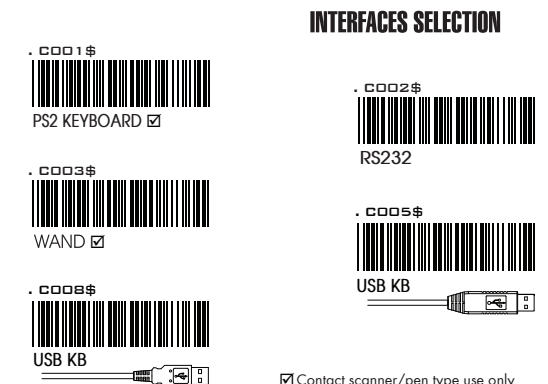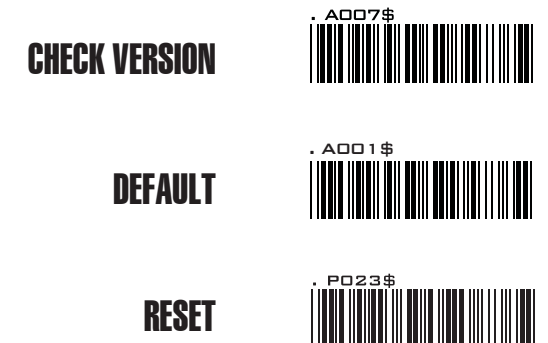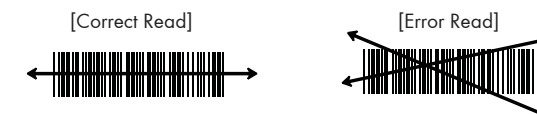After changing to a new cable, please reset the interface setting as appropriate.

❷ Present Cable
❸ New Cable
❶
❷ Present Cable
❸ New Cable

- 5 -

LED Indicator

When a barcode is read exactly by the scanner, the LED will flash and buzzer will emit a beep.

LED Indicator

Precautions when reading

. Make the barcode label as flat as possible when it is distorted.
. The scanner may not read labels under direct sunshine or in extremely bright places.
. Reading of barcodes turned upside down is possible.
. Take out the labels when it covered with plastic films.
. When consecutively reading the same barcode two times or when the scanner is set to consecutive reading mode, be sure to hold the barcode handy scanner reading windows a sufficient distance away from the barcode being read for approximately 1 second. Then read the next barcode after the indicator LED turns OFF.

*Note: Please follow the correct method to scan the barcode.

[Correct Read]   [Error Read]

- 6 -

CHECK VERSION   . A007$

DEFAULT   . A001$

RESET   . P023$

INTERFACES SELECTION

. C001$
PS2 KEYBOARD ☑

. C002$
RS232

. C003$
WAND ☑

. C005$
USB KB

. C008$
USB KB

☑ Contact scanner/pen type use only

- 7 -

READING MODE SETTING

.F005$
CONTINUOUS MODE

* LED is always on.
* The trigger does not function in Continuous Mode.

.F001$
FLASH MODE

* The LED is on steady if a bar code is close to the scanner, but starts flashing if no bar code is detected after 60 seconds.
* The trigger does not function in Flash Mode.

.F002$
TRIGGER MODE

* The LED will light when the trigger is pressed.
* The LED will go off when the trigger is released.

.F006$
CONTINUOUS AUTO OFF

* The LED is always on when the trigger is pressed.
* The LED will go off if no bar code has been detected after 60 seconds.

.F003$
TOGGLE MODE

* This function works like Trigger Mode, but the scanner beeps to indicate a good read.

.F004$
TEST MODE

* Factory Scanability Test

.F007$
*AUTO SENSING MODE(CCD)

* If Auto-Sensing Mode(CCD) is on, the LED will go off if no bar code is detected after Deactivation Time elapses.(The default is 3 sec.)
* The LED lights automatically when a BAR CODE is detected.

.F010$
*AUTO SENSING MODE(Laser)

If Auto-Sensing Mode(Laser) is on, the LED will go off if no barcode is detected after Deactivation Time elapses.(The default is 3 sec.)
* The laser emits automatically when an OBJECT is detected.

NOTES:

1. To extend the scanner's life, keep the scanner set to Trigger Mode or Continuous Auto Off Mode.
2. The LED indicator will glow for GOOD READ.

BEEP TONE MODE

2.7KHz

.F019$
BEEP HIGH

.F021$
BEEP HIGH--LOW

.F018$
BEEP MEDIUM

.F020$
BEEP LOW--HIGH

.F022$
BEEP LOW

2.1KHz

.F012$
BEEP OFF ☑

.F014$
BEEP HIGH ☑

.F016$
BEEP HIGH--LOW ☑

.F013$
BEEP MEDIUM ☑

.F015$
BEEP LOW--HIGH ☑

.F017$
BEEP LOW ☑

☑ Contact scanner/pen type use only

TERMINATOR

.D010$
NONE

.D011$
LF

.D012$
CR

.D013$
CR+LF

.D014$
TAB

.D015$
SPACE

.D016$
ESC

CAPITAL LOCK MODE

.A004$
CAPLOCK ON

.A005$
CAPLOCK OFF

.A006$
CAPLOCK FREE

NOTE:

1. When barcode scanner is set to Caplock Free mode, no matter keyboard Capslock LED indicator is ON or OFF, output will be always the same as the Original barcode. In other words, what you see is what output is.(CODABAR is the exception)
2. If ABCD/ ABCD, abcd/ abcd, ABCD/T*E, abcd/tn*e are on, they work independently according to their rules.

KEYBOARD LAYOUT

.C009$
JAPAN (106 key)

.C010$
ENGLISH (USA)

.C025$
CANADIAN (FRENCH)

.C018$
ENGLISH (UK)

.C034$
CANADIAN (TRADITIONAL)

.C012$
FRENCH

.C029$
NORWEGIAN

.C011$
GERMAN

.C026$
SWEDISH

.C014$
ITALIAN

.C031$
PORTUGUESE

.C013$
SPANISH

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

NUMERIC KEY

.D017$
NUMERIC KEY

.D018$
ALPHANUMERIC KEY

ENABLE SYMBOLOGIES

.A002$
ENABLE ALL CODE

.K010$
CODE 32

.K001$
CHINA POSTAL CODE

.L010$
UK PLESSEY CODE

.N001$
INDUSTRIAL 2 OF 5

.M010$
MATRIX 2 OF 5

.G010$
CODE 93

.J001$
INTERLEAVED 2 OF 5

.J010$
CODE 128

.I001$
CODABAR

.L014$
TELEPEN

.L001$
MSI

.N017$
IATA

ENABLE SYMBOLOGIES

.H001$
UPC-A

.H007$
UPC-E

.H019$
EAN-8

.H013$
EAN-13

.G008$
CODE 39

.I010$
CODE 11

.G021$
PDF 417 ENABLE ☒

.M001$
EAN-128

.N038$
GS1 Databar STACKED ENABLE

.N032$
GS1 Databar ENABLE

.N028$
GS1 Databar EXPANDED STACKED ENABLE

.N026$
GS1 Databar EXPANDED ENABLE

.N010$
GS1 Databar LIMITED ENABLE

☒ Not supported by Pen/ Contact/Bluetooth Scanner

BARCODE TEST CHART

C9876543210D

CODE-39 TEST

0012345690

4 716415 942052

0   8
71589 81230