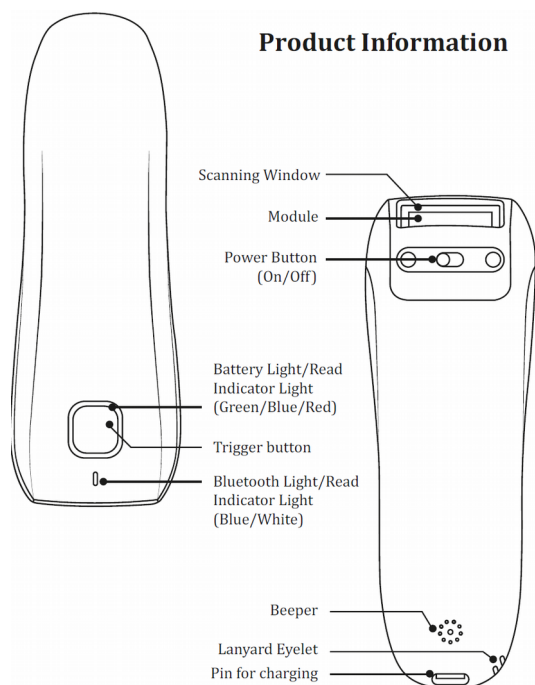


## Package Included:

1PC X Scanner;  
1PC X 2.4G USB Receiver;  
1PC X USB Cable;  
1PC X Quick Setup Guide

Note: This is a general manual. If you need a full manual please download it from our official website: [www.albasca.com](http://www.albasca.com)



## Firmware Version:

Firmware version will be displayed by scanning "\$SW#VER".



\$SW#VER

## Barcode Programming

Barcode scanners are factory programmed for the most common terminal and communications settings. If you need to change these settings, programming is accomplished by scanning the bar codes in this guide. An asterisk (\*) next to an option indicates the default setting.

### ⚠ Important Notes :

Many command barcodes only work with scanner in a particular connection mode. Please pay attention to below symbol when you scanning the command barcodes.

- 📶 Command barcodes only apply to scanner work via Bluetooth connection.
- 📶 Command barcodes only apply to scanner work via Wireless Connection.
- 🔌 Command barcodes only apply to scanner work via USB Wired Connection

## Connection Way

Scanner can be connected to your device via bluetooth, USB receiver or USB cable, you can choose one of the connection way to connect scanner with your device.

### 🔌 Working Via USB Cable

Get Started: Connect scanner with your device via USB cable. If you use US keyboard, it's plug and play. If you use other type of keyboard , please refer to "keyboard language" to configure the keyboard language before you use it.

### 📶 Working Via USB Dongle (Wireless Mode)

Get Started: Plug the USB dongle on your computer. If you use US keyboard, it's plug and play. If you use other type of keyboard , please refer to "keyboard language" to configure the keyboard language before you use it.



%#IFSN0\$1

\*Wireless Transmit

### 📶 Working Via Bluetooth

Get Started: Scan "Working via Bluetooth", pairing the bluetooth. US Keyboard is set by default if you use other types of keyboard please configure keyboard language before you use it.



%#IFSN0\$4

Working via Bluetooth

### Important Notes:

- Make sure the device is in range with Bluetooth turned on.
- Pressing the scan button will initiate the attempts to connect.
- If a connection is made, the blue light will stop blinking and turn solid.
- If a connection is not made after several attempts, the scanner will emit a long beep (and the blue light will turn off).
- Bluetooth working channel is not set by default.If you want to work via bluetooth, you have to scan command barcode of "Working via bluetooth" before pairing. If you want to shift from bluetooth working channel to RF Wireless channel, you have to scan " RF Wireless Transmit" then plug the USB receiver into your device.

### 📶 Basic Mode (HID) (default)

- NO software installation needed
- Connects to most devices
- Scanner interacts with host device like a keyboard



AT+MODE=2

### 📶 Application Mode (Apple Specific Serial Profile)

- For Android or Windows
- Software installation is required
- If you have an application that supports this is the mode recommended



AT+MODE=3

### 📶 Applicatin Mode (Serial Port Profile)

- For iOS Devices
- If you have an iOS application that supports our Scanners this is the mode to use



AT+MODE=1

### Important Notes:

If you want to shift from HID to SPP or BLE just scan the Corresponding command barcode. If you want to shift from SPP or BLE to HID mode, first ignore (or delete) "Albasca scanner"→ turn off bluetooth→ scan command barcode of HID→ Open the bluetooth → re-pair it.

### 📶 Transmission Speed Via Bluetooth Connection

By scanning the appropriate barcode below will change the bluetooth transmit speed.



AT+HIDDL=4  
High Speed



AT+HIDDL=10  
\*Medium Speed



AT+HIDDL=25  
Low Speed

### 📶 USB DONGLE AS HID-KBW

When you plug the USB dongle to your device, USB HID-KBW feature will be enabled by default. Then scanner's transmission will be simulated as USB key-board input. It works on a Plug and Play basis and no driver is required.



\$USB#KEY  
\*USB DONGLE as Keyboard(HID)

### 📶 USB DONGLE AS VIRTUAL COM

#### USB COM Port Emulation

If you connect scanner to the Host via USB dongle, by scanning "USB COM Port Emulation" will allow your device to receive data in the way as a serial port does.



USB#COM  
USB Dongle as Virtual COM

### 🔍 USB HID-KBW

When scanner is connected to your device via USB cable , USB HID-KBW feature will be enabled by default. Then scanner's transmission will be simulated as USB key-board input. It works on a Plug and Play basis and no driver is required.



%IFS0\$2  
\*USB HID-KBW

### 🔍 USB COM Port Emulation

If you connect the scanner to your device via USB cable, by scanning "USB COM Port Emulation" will allow your device to receive data in the way as a serial port does.



%IFS0\$3  
USB COM PORT Emulation

### Keyboard Language

For example If you use French Keyboard, scan command barcode of "French keyboard ". If you use a US keyboard you can ignore this step.



\$LAN#EN  
\*America EN keyboard



\$LAN#FR  
French keyboard



\$LAN#GE  
Germany keyboard



\$LAN#IT  
Italy keyboard



\$LAN#PT  
Portugal keyboard



\$LAN#ES  
Spain keyboard



\$LAN#UK  
UK keyboard



\$LAN#HU  
Hungary keyboard



\$LAN#TK  
Turkey Q keyboard



\$LAN#TF  
Turkey F keyboard

### 🔍 Working Mode

If you are heading for a working area which lies outside the Bluetooth signal range, you may activate scanner's store mode, following steps described below. Under this mode, all scanned data will be stored directly into the buffer memory of the device. Furthermore, data entries will be permanently saved in the buffer memory prior to the manual upload into the working station, so that you may upload them when you are near your working device.



\*Normal Mode



Store Mode



Output Stored Data



Output Total Entry



Clear Memory

### Idle Time

Time period set for scanner from idle to sleep



\$POWER#OFF  
Power Off



\$RF#ST00  
0 Min



\$RF#ST20  
10Mins



\$RF#ST60  
30Mins

### Convert Case



\* Disable Convert Case



Up Low Case Swap (A<->a)

### FAQ

1. Some barcodes cannot be read, why ?  
a. Dirty or unclear barcodes might not be read.  
b. The possible reason is that setting for some barcode types not commonly used is off by default. You need to activate a specific barcode type to get it to work. Please contact us for help or you may go to our official website "www.albasca.com" to download the complete manual and then refer to the section of "Symbologies".

2. How to change terminator to TAB ?  
Please refer to the section of "Terminator configuration" from the full manual downloaded from our official website.

3. Are there any barcodes for applying or removing prefix & suffix ?  
Yes, you may go to our official website" www.albasca.com" to download the complete manual ,refer to the section of" prefix and suffix" or turn to customer service for help.

4. How to solve the messy code problem encountered while using other foreign languages?  
The default language is English. Please refer to "Keyboard Language" to change the language.

5. Why scanner can not read Italy Pharmacy code?  
Download the full manual from our official website according to the scanner's model number, refer to the section of Code32 then scan "Enable Code32" to enable the scanner to read Italy pharmacy code.

6. Why scanner can not read add-on 2 or 5 codes?  
Download the full manual from our official website according to the scanner's model nubmer, refer to the section of ADD-On code and scan the appropriate command barcode to enable the scanner read it.

7. Why scanner can not read datamatrix GS1 in a correct format ?  
Scan "Enable Funtion Key Mapping" from this manual will enable scanner to output group separator.

## LED Activity/Beep Pattern/Indication under different Connections

### 2.4G RF Wireless Connection

Bluetooth LED Activity	Beep Pattern	Read indicator LED Activity (Square Shape)	Indication	Working Mode
OFF	No beep	OFF	Sleeping /Power Off	
Blue LED ON and then OFF	Beep Once	Blue LED ON and then OFF	Wake up from Sleep Mode	
White LED ON and then OFF	Beep Once	Blue LED ON and then OFF	successful scan	Normal Mode
OFF	Beep Once	Blue LED ON and then OFF	Go to sleep	
OFF	3 Beeps	Red LED Flash Three Times and Then OFF	Data transmit failed	
White LED ON and then OFF	Beep Once	Blue LED ON and then OFF, Green LED Flashing	successful scan	Store Mode

### Bluetooth Connection

Bluetooth LED Activity	Beep Pattern	Read indicator LED Activity (Square Shape)	Indication	Working Mode
OFF	No beep	OFF	Sleeping /Power Off	
Blue LED ON and then OFF	Beep Once	Blue LED ON and then OFF	Go to sleep Mode	
Blue LED ON	Beep Once	Blue LED ON and then OFF	successful scan	Normal Mode
Blue LED Flashing	Beep Once	OFF	Bluetooth Pairing	
Solid Blue LED (No Flashing)	Beep Once	Blue LED ON and then OFF	Bluetooth Paired	
Blue LED Flashing	3 Beeps	Red LED Flashing 3 times and then Off	Data transmit failed	
Blue LED ON and then OFF	Beep Once	Blue LED ON and then OFF, Green LED Flashing	successful scan	Store Mode

### Charge Power

Bluetooth LED Activity	Beep Pattern	Read indicator LED Activity (Square Shape)	Indication	Working Mode
OFF	Sbeeps	RED LED flashing 5 times	Low Power Warning	
OFF	No beep	RED LED ON	Charging Power	
OFF	No beep	Green LED ON	Full Charge	

### Downloads

This is a general quick setup guide applying for Model MK-200. Full manual for above models are available to be downloaded from our official website.  
<http://www.albasca.com>