

# PDA Wireless Bar Code Ticker

## Part 1 Product Instruction

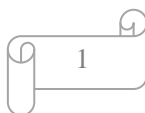
### 1. Functional characteristics

Welcome to use PDA series wireless bar code ticker, which integrates the wireless bar code scanning gun and various commonly used wireless bar code data inventory functions, and can be directly used without any programming. PDA series products are equipped with keyboard and screen, which can realize functions that ordinary wireless bar code scanning gun cannot realize. If the bar code is damaged and cannot be scanned, it can be input through the keyboard provided by itself. The screen can display information such as wireless signal strength and battery power. The supporting wireless base station adopts the standard USB2.0 interface and can be used under WINDOWS without any driver. It also supports USB to send data as a wired bar code gun to scan bar codes.

PDT series wireless bar code collector scanning engines include: one-dimensional laser, one-dimensional red light and two-dimensional image.

1) One-dimensional laser bar code scanning engine, with fast scanning speed and large depth of field, can meet the needs of most industries. It is applicable to type 3 L.

2) One-dimensional red bar code scanning engine can read screen bar codes, such as one-dimensional bar codes on mobile phones, tablets and other screens, and has good reading ability for bar codes or fuzzy codes printed by needle printers. It is applicable to type 3 H.

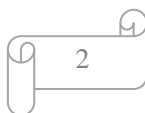


3) The two-dimensional image scanning engine has fast code reading speed and increases the function of identifying two-dimensional codes, can identify common one-dimensional two-dimensional bar codes and screen codes, and has excellent reading speed for bar codes, printing codes, incomplete codes, bar codes on rough surfaces and fuzzy codes printed by needle printers. It is applicable to type 3 T.

PDA series wireless bar code collector uses 433MHZ or 2.4GHZ wireless frequency and two-way communication mode. The screen displays a signal strength indication. Up and down support up to 32 wireless frequency settings, and the transmission distance is 50-100 meters in the actual use environment without obstacles. **(Note: USB communication version uses data cable and does not have this function)**

## 2. Technical Parameter

- 1) 32-bit high-speed ARM series CPU
- 2) FLASH memory: 4M, storing more than 10,000 pieces of data.
- 3) Power supply: 2 No.5 batteries
- 4) Display: 176 x220 TFT color LCD with white backlight
- 5) Size: 165 x 65(54)x 38(26)mm, approx. 180g
- 6) 22 key high quality silicone keyboard
- 7) Continuous working time: 10-50 hours, scanning at least 10,000 times
- 8) Bar code scanning module:
  - (1) 650nm laser (common bar code identification, long depth of field, high precision)
  - (2) Red light image (remote CCD has higher recognition rate, faster and more stable)



(3) Red light image (remote CCD has higher recognition rate, faster and more stable) 2-D image (common bar code, 2-D QR code, screen code recognition) Read bar code types: EAN13, EAN8, 39, 93, 128, Cross 25 code (IT25), Codebar, UPCA, UPCE, etc. Read two-dimensional code types: PDF417, QR Code, DataMatrix, etc. (laser And the red scanning module cannot recognize the two-dimensional code).

9) Communication adopts 433MHZ bidirectional communication or 2.4GHZ, CRC verification **(USB The communication version uses the data cable and does not have this function).**

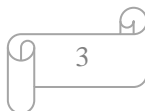
### 3. Scope of Application

PDA wireless bar code collector is especially suitable for bar code collection of small and medium-sized supermarkets, express delivery, logistics, wholesale stores, large items and warehouse management. It can also be directly used as scanning collection and inventory equipment of bar codes in supermarkets, bookstores and warehouses.

### Operational Considerations

(1) Key basic settings:

- \* The orange SCAN button is a scan button
- \* The [ESC] key can be used to exit all functions.
- \* In the input box, press [SW] to switch the input method, and [Del] is the delete key.
- \* When installing and removing the battery, first pull the latch on the upper edge of the battery cover to the unlocked position (left), and then lock it to the right after installation. Don't use it for a long time, please take out the battery to avoid leakage.



- (3) Keep the bar code scanning window clean so as not to affect the reading effect.
- (4) The red key is the on/off key, which can quickly enter the power saving sleep state.

## Part 2 Detailed Operation

### 1. Scanning Gun

The scanning gun mode has the same function as the traditional wireless scanning gun, namely scanning bar codes within the signal range and transmitting the bar codes to the computer immediately. The right picture shows the interface after entering this function. The maximum allowed display is 6 lines and 90 characters.

Due to the occasional interruption of wireless communication, PDA series wireless bar code collector still allows scanning bar codes and automatically saving them, and PDA series will automatically send the saved bar codes to the receiving end after communication is resumed.

When the collector links the USB data line to the computer, the wireless transmission of scanning gun function will be automatically converted into USB data line transmission. After scanning bar codes in batches, you can also connect USB data cables to transmit all the untransmitted bar codes to the receiving end.

Scan-Gun

Barcode:6168676019139

Code Type : EAN-13

Length : 13

TotalScan :1

Wait Send :0

SW:Input      ESC:Exit

Barcode:

81066329109


SW:123    DEL:delete

OK      Cancel

PDA series wireless bar code collector has keyboard and screen, all scanning interfaces allow manual bar code input. Press [SW] to enter the manual input mode. There are three input modes: number, lowercase letter, uppercase letter, 123 for number mode, abc for lowercase mode, ABC for uppercase mode. Press [SW] to switch input method, press [ENT] to confirm, and press [ESC] to cancel.

2. Collection

The working mode is to save all scanned bar codes in the local memory of the machine first, and then send them to the receiving end in batches through wireless or USB data lines after collection is completed. All scanned bar codes are stored in FLASH memory according to scanning sequence, and power failure will not cause data loss.

Collect 

Barcode:6981035820139

Length :13

Count : 2

SW:Input DEL:Empty

F1:Browse F2:UniqueOFF

The bar code acquisition mode searches and judges scanned bar codes, and it is not allowed to repeatedly scan two bar codes that are identical. It is mainly used for scanning and collecting unique codes, such as express delivery number, electronic product serial number and material number. Repeated bar code is not allowed. F2 key can turn off repeated code prompt.

Collect 

Barcode:6168676019139

Tips


No Repeated  
Collction!

Press any key to scan

Press SW in the work interface to manually enter bar code that cannot be scanned, F1 browse data, F2 empty data. When browsing data, you can delete the bar code that was collected incorrectly and enter the bar code serial number. If more bar codes are collected, you can scan for bar codes and delete them directly.

3. Counting

Direct counting is a simple counting and counting mode, recording bar codes and corresponding quantity values. 10000 bar codes can be processed at one time, with the maximum number of single bar codes being 99999. After scanning the bar code, the same bar code will automatically accumulate the quantity or manually input the quantity value.

Inventory 

Barcode:6168676019139

Len :            Count:32

TotalQty: 569

InvenQty: 2

InputQty:-----

SW:Key input

F1:Browse      DEL:Empty

For each scan of the bar code, the corresponding quantity value of the bar code will be increased by 1, or it can be directly overwritten or accumulated by manually inputting the quantity value according to the number keys.

F1 browse data, F2 empty data. When browsing the data, you can delete the bar code for wrong inventory and enter the bar code serial number. If there are more bar codes to be counted, you can also search for bar codes by scanning, and after searching, you can modify the quantity or delete the bar code data.


4. Upgrade

In order to meet the needs of users, this product supports secondary development and can be customized to develop software

functions and some non-standard applications according to users' use requirements. This function requires professional upgrade tools and APP. Please use it under the guidance of professional technicians.

5. Communications

The communication function is to export the collected and counted data to the computer through wireless or wired methods, and users can choose the corresponding export method according to their own needs.

Transmission 

1. Collect export
2. Inventory export
3. Export settings
4. Transfer settings

In general, the format transmitted to the computer is bar code+carriage return, but there are some special applications that may require 2 carriage returns or various special symbols. This complex output format can be set by bar code export format. The setting format is as follows: field 1 selects bar code, field 2 selects carriage return, and field 3 selects carriage return. For example, the inventory mode data needs to be exported to the bar code of column A in the EXCEL table, and the quantity of column B can be set as: field 1: bar code, field 2: TAB, field 3: quantity, and field 4: carriage return. The export settings for other modes are the same. Users can select settings according to their own needs. At the same time, other characters or special symbols can be selected, and the prefix and suffix can be added before and after the bar code.

OK Cancel

Field1:	Barcode
Field2:	TAB
Field3:	Number
Field4:	Enter
Field5:	
Field6:	
Field7:	
Field8:	
Field9:	
Field10:	
ENT:Set	DEL>Delete

## 6. Setting

1) System Information: Check the version information of local software and hardware.

2) Sweep code setting: on and off of various bar code types and options for additional codes (red light and 2-D temporarily do not have this function).

3) System language: the system language defaults to simplified Chinese, and English can be selected.

4) Volume setting: setting the sound prompt size for code reading and key operation.

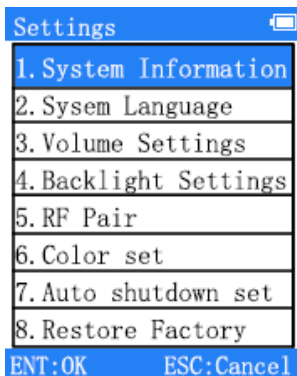
5) Backlight setting: display backlight brightness level.

6) Wireless Settings: Set the wireless frequency (not available in 2.4G and USB communication versions) and pair with wireless reception.

7) Color Setting: Users can set the theme color of the interface according to their preferences.

8) Automatic shutdown setting: automatic sleep standby time setting when not in use for a long time

9) Restore factory settings: clear all data and restore factory default settings.



**Note: If the product function is not upgraded regularly and does not conform to the instruction manual, please contact the technical guidance.**

Model	Dealer	Purchase date	Telephone



## **Warning:**

changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

NOTE: 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 or more 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.

### **RF Exposure Statement**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.