2D Wireless Barcode Scanner

Quick Guide

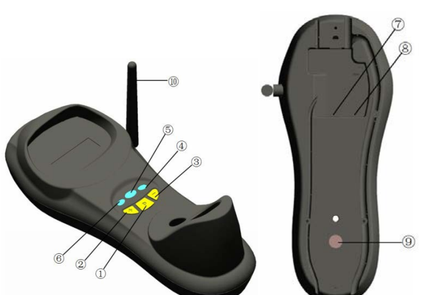
Reset to Default

Remark：This pamphlet is for quick guidance only. Please refer to the Uses' Manual for more detail instructions.

VER: TI4520_QG_EN_V1.00

Handset & Cradle

① Power Indicator	③ Trigger
② Data Indicator	④ View window of capture



① Pairing	⑥ Reserved
② Channel Up	⑦ Power Interface
③ Channel Down	⑧ Data Interface to PC
④ Power Indicator	⑨ Wall-mounted Adjusting
⑤ Data Indicator	⑩ Antenna

Installation

Connection and Pairing

Step 1. Refer to the below pictures, firstly connect the cradle⑧ to host (e.g. PC or POS) with cables of different interface：

USB: Plug the RJ45 in cradle⑧, and plug the USB end into the host.

USB Cable

Keyboard PS/2： Plug the RJ45 to cradle⑧, and connect the male PS/2 end to host port and the female end with keyboard wire.

Keyboard P/S 2

RS232： Plug the RJ45 into the cradle⑧, and plug the RS232 into the PC port. The DC power should be plugged into the RS232 connector.

RS232 Cable

Typically the cradle will auto identify the interface type (COM) and cradle⑤ gets green on. In extreme case the cradle fails to identify (green flash of cradle⑤), please scan the barcode to set it manually.

Auto identifying (Default)

USB Mode

Keyboard (PS/2) Mode

RS232 Mode

Note: The auto setting of interface type will only be activated when the pairing is well done. Please refer to the Step2 and Step3 for pairing.

Step 2. Place the handset onto the cradle. As in the picture below, firstly place the head of handset onto the wider end of cradle. Then press the other end onto the cradle till a "Pa" sound is out. It means well locked.

Handset onto Cradle

Step 3. Press the cradle①(P button) and hold till the Dee-Doo-Doo sound is out. Then the handset and cradle are well paired.

Remark: 1 cradle can support maximum 100 handsets. The handset cannot upload data if the handset and cradle were not well paired.

Usage of Scanner

Power On / Off

When trigger (handset①) is pulled and a Beep-Deep sound comes out, the handset is power on. If handset is not used for 60sec (default), the handset will auto turn off. The timing can be reset to your need.

Code capture

In the standby mode, pull the trigger to capture code. Make sure the green aiming line is covering the full code, as in picture below

Correct way

Wrong way

Remark: 1.Once the code is well captured, the handset② will turn red and up for 1sec, and a "Dee" sound will come out.

2. To capture codes of different density, please move the handset forward and backward to gain a proper position.

Recharging

Place the handset back to cradle as Step2 to start recharging.

Remark: 1. Green flash of handset① means low power.

2. Red flash means recharging and it turns to yellow on once finished.

Built-in Data Memory

If the handset is out of limit to wireless contact radius, or it works in the Manual Upload Mode, the captured code data will be stored in the handset memory. The Data Indicator (handset②) will be red on if data stored. It will turn green on once the data is well uploaded.

Multi-Cradles Working

In case two or more cradles working in the same room, please set them to different channels to ensure high upload efficiency as follow.

1. Press the "+" or "-" buttons (Cradle②, ③) on the cradle. (The No. of the channel will be displayed on the PC.)
2. Redo the pairing of handset and cradle to reset it to new channel.

Remark: If two or more cradles working in the same signal channel, it will slow down upload speed. However, they won't jam with each other.

Common Settings

Information Check

Firmware Version

Handset Serial No.

Cradle Serial No.

Battery Power

Channel and Handset ID

Suffix Quick Setup

CR (Default)

LF

CR+LF

No Suffix

Setting the Torch

Torch on when scanning*

Torch off

Common Symbol Setting

Start QR

Stop QR

Start Data Matrix

Stop Data Matrix

Start PDF417

Stop PDF417

Setting the Data Upload Mode

Multiple upload modes are available for different usages:

No Storing Mode: Every code data will be uploaded instantly to the cradle once they are well captured. In case of unsuccessful upload, the code data will be ignored and alarm of "Dee-Dee-Dee" will come out.

Auto Storage Mode (Default): The data will be stored in the handset memory in case of upload failure to cradle. And the data will be uploaded to cradle once the contact connection come back normal. It's the default working mode.

Manual Mode: The code data will firstly be stored in the built-in handset memory once well captured. It can store up to 10,000pcs code data. The data would be uploaded to cradle in one time once the Upload Start Code is manually triggered.

During the process of uploading or after upload well finished, if the *Upload Start* code is triggered, all code data stored in handset will be uploaded again.

Auto Storing (Default)

No Storing

Manual Mode

Upload Start (in Manual Mode)

Remark: In the Manual Mode, all stored code data will be kept until manually erased. Every time the *Upload Start* code is triggered, all code data stored in handset will be uploaded again. To avoid duplicating upload data, please trigger Erase Storage code to clear handset data.

Erase Storage

Setting Power of Wireless Communication

Power-High (Default 14dBm)

Power-Mid (7dBm)

Power-Low（0dBm）

Caution: Please check with your local authority and set the power of wireless communication according to local rules and regulations.

Setting the Volume of the Beeper

Loud (default)

Mid

Low

Mute

Setting the Scanning Mode

Manual Scanning*

Auto Scanning Mode

Power Off

Power off at once

Indicators and Buttons

Handset Indicators

Indicators	Status	Meanings
Power (handset①)	Green	Started normally
	Green flash	Power low, need to recharge
	Red flash	Recharging
	Yellow	Recharge finished
Data (handset②)	Green	All data uploaded
	Red	Stored data pending to upload
	Red flash	Data storage is full
	Yellow flash	Data is uploading

Possibility of upload failures: Cradle disconnected to PC; Exceeding distance limit; Handset working in Manual Mode (e.g. checking stock).

Cradle Indicators

Indicators	Status	Meanings
Power -Cradle④	Flashing	Identifying interface
(Right, Green)	Green on	Started normally
Data -Cradle⑤	Red flash	Receiving data
(Middle, Red)	Red on	Stored data pending to upload
Rev -Cradle⑥ **(Left, Green)**		Reserved

Cradle Button

Button	Position(Button)	Function
Channel Down	Cradle③ Right (-)	For channel setting. One press to turn down one channel
Pairing	Cradle① Mid (P)	Press and hold 4secs to pair the handset and cradle. Once it's done, "Dee-Doo-Dee" alarm will
Channel Up	Cradle② Left (+)	For channel setting. One press to turn up one channel

FCC 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 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.

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).

This equipment 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.