CS3290 Cordless Scanner Quick Guide

Notice

☞The radio frequency range in this document is 430.5~432.0MHz, 433.05~434.79MHz.

☞A standard kit contains: a handheld unit, a cradle, a USB cable, and a CD-ROM (containing software and manuals).

☞Use dry and soft cloth to clean the handheld unit and the cradle.

☞Effective data communication range: The radio communication distance is up to 200 meters under the condition of temperature at 27 degrees Celsius, sunny day, and visibility of 5 kilometers. Natural surroundings significantly affect the communication distance in practice. The distance drops quickly in the rainy, high-humidity, or heavy haze day; radio interference also shortens the communication distance.

☞This series of scanners provide two kinds of wireless network topology, and support batch data mode (offline data storage). It is suggested to read the user manual in details before use.

Parts of the handheld unit

①Exit window ②Trigger ③Red LED (Battery charging indicator)

④Communication/Charge socket ⑤Power button ⑥Sound hole

⑦Red LED (Not successful transmission); Blue LED (Power, flash when the power is low.); Green LED (Setting)

Parts of the cradle

① B button (Reserved); S button (Upgrade / Reset); P button (USB Enumeration)

② Red LED (Initiation failure); Blue LED (Power); Green LED (Data In / Radio Frequency hopping indicator)

③ Antenna

Power on handheld unit: Press the power button ⏻ on the handheld unit for two seconds.

Power off handheld unit: Press the power button ⏻ on the handheld unit for two seconds.

Installation of cradle

1. Switch off power of the host. Refer to the below pictures, connect the host with the scanner with different cables firstly, and then connect the adaptor to the power socket.

2. Ensure that all connections are secure. Switch on the power of the host. After a few seconds, if only the blue LED on the cradle is ON, it indicates the cradle is in normal working mode. Otherwise, make a short press on the S button on the cradle to reset the cradle.
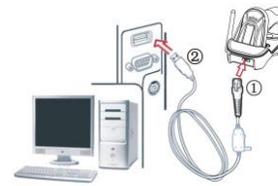
USB cable   RS232 cable   PS/2 keyboard cable
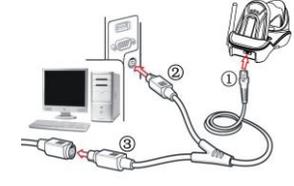
Charge battery
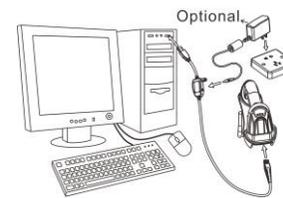
1. Please charge the battery before the first time of use. The charge indicator on the handheld unit is turned on when the charging is in process. When the charging process completes, the charge indicator is turned off.

2. Charging time: 3.5 hours for fully charged.

3. You can charge the battery via a USB port on the device or an optional 5V adapter.

Visual and audio indication of handheld unit for wireless data transmission

Successful Transmission	Audio (Beeper)	Red LED on handheld unit
Yes	None	Off
No	Three beeps	On

Programming instruction and example

Scan "SETUP"
↓
Scan "Option barcode"
↓
Scan "the 1st character of option"
↓
Scan "the 2nd character of option"
↓
Scan "END"

%SETUP

0301

0

3

%%%END
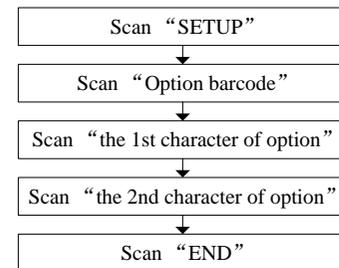
Example: to set Flow control to be XON/XOFF.

Notes about radio communication

1. The scanner offers two kinds of wireless network topology: point coordination and distributed coordination. The default setting of wireless network topology is distributed coordination. To change the wireless network topology, you must change the setting of both handheld unit and cradle.
2. The scanners within same working area must apply the same wireless network topology.
3. When the point coordination wireless network topology is used, if multi-clusters are working in the same area, then each cluster must use a different radio frequency channel. Both of the handheld unit and cradle must be configured individually.
4. When the distributed coordination wireless network topology is used, if multi-clusters are working in the same area, it is strongly recommended that different radio frequency channel numbers are applied to different clusters. While setting up, only the radio frequency channel number of the first handheld unit of a single cluster is required to be set.
5. In order to obtain constantly good communication quality, when in multi-clusters working mode, the physical space between two cradles is required to be at least 2 meters.
6. In order to obtain constantly good communication quality, it is recommended to place the cradle on a higher location, generally more than 1 meter above the ground. If working outdoor, the higher location the better.

Initialization settings and information display

Initialize all parameters of cradle※

%BADEF

Initialize all parameters of handheld unit

%%ADEF

Cradle firmware version display

%%BVER

Handheld unit firmware version display

%%%VER

Cradle radio setting display※

%%BSCI

Handheld unit radio setting display※

%%%SCI

Note- The settings indicated with (※) are valid only when the cradle is in upgrade ready mode.

Set the cradle entering upgrade ready mode (※)

Keep pressing the S button on the cradle (see "Parts of the cradle"), until the blue LED is flashing. Then three LEDs will all be turned ON, this indicates the cradle being upgrade ready mode.

Quick setting to point or distributed coordination wireless network

1. Make sure that both the handheld unit and the cradle are in normal working mode. Normally it means that only the blue LED on the handheld unit and only the blue LED on the cradle are ON as shown below.
   Note that the current applied wireless network topology (either point coordination or distributed coordination) of the handheld unit or the cradle does NOT make any difference in the following setting.

2. Use the handheld unit to scan ONE of the following setting barcodes. "Other radio parameters" in the below table refers to the parameters of channel no., address, etc.

Barcode	Description
%2PNET	Set to point coordination network without changing other radio parameters
%2DNET	Set to distributed coordination network without changing other radio parameters
2PNET+	Set to point coordination network with returning default radio parameters
2DNET+	Set to distributed coordination network with returning default radio parameters

3. The blue LED on the handheld unit will blink and the beeper will beep regularly to indicate that the handheld unit is ready to be positioned onto the cradle.

4. Firmly position the handheld unit onto the cradle within 15 seconds. A long beep and a short beep will be emitted to indicate a successful setting; otherwise, three short beeps will be emitted to indicate an unsuccessful setting.
5. Referring to the previous section of "Initialization settings and information display", check the current radio communication setting of the handheld unit and the cradle.