2.4G Wireless Barcode Scanner

User Manual

Technical parameters

Input voltage	DC5V ±0.25V		
Power	425mW（work）；500mW（instantaneous）		
Battery　Charge Time	2.5 Hours		
Battery　Scan Time	30 Hours		
Current	25mA（work）；95mA（instantaneous）		
Light	Visible light laser diode, wavelength 650 nm		
Laser Level	Laser Level II laser safety standards		
Decoding speed	100 times / sec		
Scan angle	±60°，±65°，±42°（about turn）		
Resolution	0.10mm　(4mil)		
Ability decode	UPC-A，UPC-E，EAN-13，EAN-8，ISBN/ISSN，Code 39 ，int25，ind25，Coda bar，Code 128，Code 93，Code 11，MSI/Plessey，UCC/EAN128……		
Prompt manner	Buzzer,　　　　LED indicator	**Communication distance**	30m (void)
Communication mode	2.4G wireless	**Data memory**	8K Byte
Trigger manual	manual scanning	**weight**	153g
Interface Type		**Shell material**	ABS+PC
External dimension	164*67*95 mm（scanner）　71*24*9.3mm (acceptor)		
Temperature	0℃ to 45℃（work）；-40℃ to 60℃（save）		
Humidity	5% to 90%		
Seismic capacity	multiple 1.5 m drops to concrete floor impact		
Program update	computer online updates		

Aiming: Note: The scanner performs best when it is not exactly perpendicular to the barcode
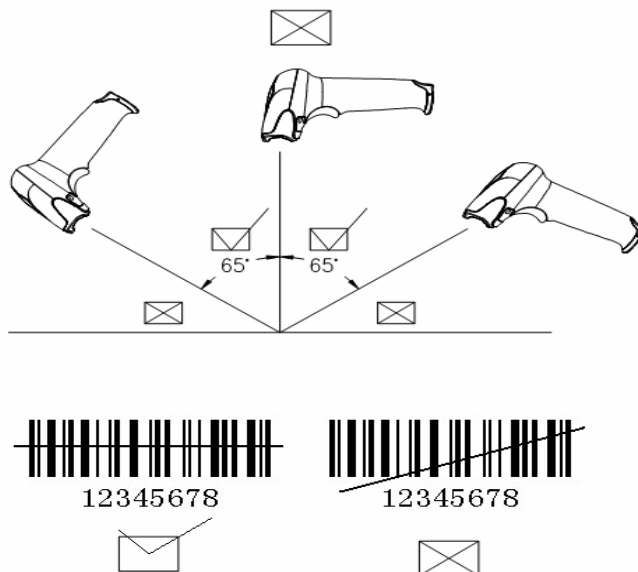
Simple manual

Wireless setting and Default

Return to default

Wireless barcode scanner pair with the receiver

The scanner must be pair with a receiver then you can transfer the data to your PC or other host.

Channel setting

We have paired the scanner with receiver and have a default channel before we product it .And if you want make change the channel for the scanner, please check the follow method .You can also accord to your own needs to set channel, channel range is " 01-20"

Method ：please insert the receiver on your PC ,then in 20seconds you use the scanner decode the "channel setting 01—20" code ,then scanner two numbers between 0-9 (page 4) the number code .then you can use the new channel .

Example : you need 06 as the new channel : pair at first then scan the "Channel setting 01-20" then scan "0" then scan "6" that all .
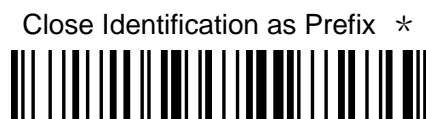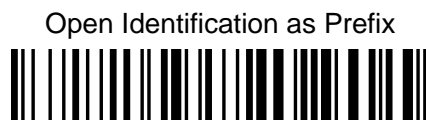
Channel setting 01-20

Scanner ID setting

You can set the ID from 01-99 any number as the ID . For example ,if you want set the ID as 23 ,please scan the code "Setting ID   01-99" at first then scan the number code "2" and "3".then you finish the ID setting step.

Setting ID   01-99

||| | ||| || ||| || |||| ||| ||| | ||| |||

Add the ID as Prefix

Please scan the code "Open Identification as Prefix" If you want use the ID as the Prefix, then you will find the ID in the front of the every barcode .

Open Identification as Prefix

||| | ||| || ||| || | |||| ||| | ||| ||

Close Identification as Prefix *

||| | ||| ||| ||| || | ||| || | ||| ||

Number code

0

8

1

8

2

8

3

8

4

8

5

8

6

8

7

8

8

8

9

8

power sleep time setting

Enter setting sleep time

||| | ||| ||| || ||| ||| || ||| ||| | ||| ||| || ||| || || |||| |

Please choose the follow power sleep time

20sec ∗

||| | ||| ||| || ||| || | ||| ||| | |||| ||| |||| ||| |||

30sec

||| | ||| ||| || ||| || | ||| || | |||| ||| |||| ||| | |||

60sec

||| | ||| ||| || ||| || | ||| || | |||| ||| |||| || |||

2min

||| | ||| ||| || ||| || | ||| || | |||| ||| |||| ||| |||

5min

||| | ||| ||| || ||| || | ||| || | |||| ||| |||| || |||

10min

||| | ||| ||| || ||| || | ||| || | |||| ||| |||| ||| | |||

20min

||| | ||| ||| || ||| || | ||| || | |||| ||| |||| || | |||

No sleep

||| | ||| ||| || ||| || | ||| || | ||| || | |||| ||| ||| |||

Working mode

Normal mode ：Scan barcodes directly then the decoded data transfer to the receiver and   displayed on the PC or your host ,But if   the transmission fails (for example, over the transmission distance or the receiver is not open), then issue a "de de de " sound prompts the user to transmission failure.

Normal mode ＊

Inventory mode：

When the scanner is not in the receiver's operating range, please use the Inventory mode 。First you can set the mode "Inventory mode" then you scan the barcode ,the data will be stored in the scanner, In the end of your work, you can scan the "Transfer data ",then the data will be transferred to your PC or other host . You also can check how many data you had decode .please scan the "Total number of data" .

After you transfer the data in the Inventory mode ,please scan the "Clear data" then you can do the next work .

Inventory mode

Transfer data

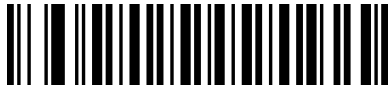Total number of data

Clear data

Multiscan Functions

Defaults

||| || ||||| || ||||||

Buzzer Mode

Good Read Beep Tone-None

||| || ||||||||||||||||||

Good Read Beep Tone-Reset

||| || |||||| |||||||||| || |

Good Read Beep Duration

||| || |||||||||||||||||

Save Mode-Enable

||| || ||||||||||||||| || ||
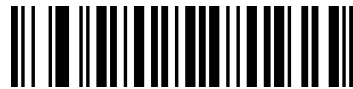
Reading Mode

Single Scan

||| || ||||||||||||| ||| ||

Single Scan No Trigger

||| || ||||||||||||||||| | |||

Multi Scan

||| || ||||||||||||||||

Multi Scan No Trigger

||| || |||||||||||||||| || |||

Continuous Scan

||| || |||||||||||||| ||| ||

Pulse Scan

||| || |||||||||||||||| ||| |||

Language

USA

||| ||| ||||||||||||||||||||||| ||| |

German

||| || |||||||||||||||||||||||| || |||

France

||| || ||||||||||||||||||||||| ||| |

Universal

||| || ||||||||||||||||||||||| ||||
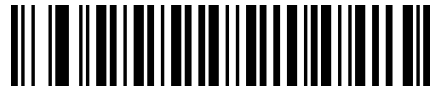
Baud Rate

1200

||| || |||||||||||||||||||| ||| |

2400

||| || |||||||||||||||||||| || |||

4800

||| || |||||||||||||||||||| ||| |

9600 *

||| || |||||||||||||||||||||| ||| |

19200

||| || |||||||||||||||||||| ||| |
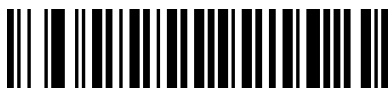
38400

||| || |||||||||||||||||||||| |||

Data Bit

8

7

Stop Bit

1

2

Parity Bit

NONE

ODD

EVEN

Code Symbol On/Off

CODE 11
Enable *

|||| || ||||||||||| |||| ||

Disable

||| || ||||||||||||| ||| ||

CODE 128
Enable *

||| || ||||||||||| ||| ||

Disable

||| || ||||||||||||| ||| ||

CODE 39
Enable *

||| || ||||||||||| ||||

Disable

||| || ||||||||||||| ||||

FULL ASCII Enable *

||| || ||||||||||||| ||| |

FULL ASCII Disable

||| || ||||||||||||| ||| ||

CODE 93
Enable *

||| || ||||||||||| ||| |
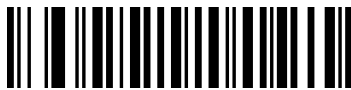
Disable

||| || |||||||||||||| | |

CODABAR
Enable *

||| || |||||||||||| ||| ||

Disable

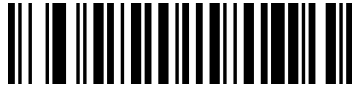||| || |||||||||||||| ||| ||
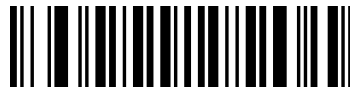
Interleaved 2 Of 5

Enable *

Disable

Industrial 2 Of 5

Enable *

Disable

MSI/PLESSEY

Enable *

Disable

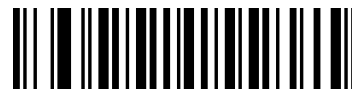## UPC-A

Enable *

Disable

UPC-E

Enable *

Disable

EAN-13

Enable *

Disable

EAN-8

Enable *

Disable

OTHER I

Expand UPC-E to UPC-A enable

‖‖‖ ‖ ‖‖‖‖ ‖‖‖‖‖ ‖‖ ‖‖‖

Expand UPC-E to UPC-A Disable

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Expand UPC-A to EAN-13 Enable

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Expand UPC-A to EAN-13 Disable

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Convert EAN-13 to ISBN Enable

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Convert EAN-13 to ISBN Disable

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Supplement Digits

UPC/EAN Supplements Disable *

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UPC/EAN Supplements-2 only

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UPC/EAN Supplements-5 only

‖‖‖ ‖ ‖‖‖‖‖‖‖‖‖‖ ‖‖‖ ‖

UPC/EAN Supplements-2&5 only

‖‖‖ ‖‖ ‖‖‖‖‖‖‖‖‖ ‖‖ ‖‖

CODABAR Send Chars Enable

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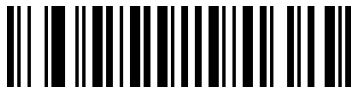
CODABAR Send Chars Disable

‖‖‖ ‖‖ ‖‖‖‖‖‖‖‖‖‖‖ ‖‖‖ ‖‖

CODE39 Send Chars Enable

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CODE39 Send Chars Disable

‖‖‖ ‖‖ ‖‖‖‖‖‖‖‖‖‖‖‖‖ ‖‖

OTHER II

Suffix setting

Termination Char-CR ✶

Termination Char-LF

Termination Char-CR+LF

None

Codes Preamble 'STX'

Codes Preamble 'ETX'

Convert To Uppercase a→A

Convert To Lowercase A→a

Company: **Farsun Photoelectric Science Technologies co., LTD**
Name: **Wireless laser barcode scanner**
Model Number: **FG2106**
FCC ID: 2AAS5-FG2106

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.

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