Wireless barcode scanner
Setup Manual (Wireless H Section)

disclaimer

Please read all the contents of the manual carefully before using the products described in this manual to ensure the safe and effective use of the products. After reading, please keep this manual properly for the next use of inquiry.

Do not remove the terminal or tear up the seal on the terminal by yourself, otherwise Dongguan Vancode Electronic Technology Co., Ltd. will not assume the responsibility of guaranteeing or replacing the terminal.

The pictures in this manual are for reference only. If some pictures are inconsistent with the actual product, please refer to the actual product. For the improvement and update of this product, Dongguan Vancode Electronic Technology Co., Ltd. reserves the right to modify the document at any time without further notice.

colophon

version number	Version description	date of issue
V1.0	The initial version	2017-06-07
V1.01	Add an international keyboard function	2017-08-16
V1.02	Add virtual Bluetooth function (some product support)	2018-04-25
V1.03	Add the end character setting to force the case function	2019-02-27
V1.04	Add the Set Custom Default settings feature	2019-03-18
V 1.05	New GS character replacement and display of GS hidden characters	2019-04-05
V 1.06	New QR code setting function	2019-04-25
V 1.07	Add a new prefix suffix and hidden characters	2019-05-21
V1.08	Add to the virtual serial port settings	2019-10-25
V1.1	New national language Settings and Chinese output Settings.	2020-03-13
V1.11	Add a virtual Bluetooth pairing step	2020-05-09
V3.0	New clock control function, escape character set (wireless version 3.0 support)	2020-08-01
V3.1	Optimize the character set 2 character table	2021-07-03
V 3.2	Add a special setting code with screen	2022-06-10

V3.3	Add Thai keyboard	2022-10-09

Note: When the 2.4G wireless scanner is selected separately, the relevant Bluetooth function is not supported.

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Restore the wireless factory default

All scanners have a factory default setting and reading the "restore wireless factory default" setting barcode will make all the wireless properties of the scanner set the software default status.

%%SpecCode93

Restore the wireless factory default

direction for use:

You are most likely to use this barcode if:

1. Error in the scanner setting, such as no barcode recognition.
2. You forgot what you did with the scanner and didn't want to use the previous settings.
3. Set the scanner to use some not commonly used functions, and use.

Set the custom default settings

By setting the custom default settings, you can set the wireless parameters to the desired functionality. Scan the "Enter setting mode" barcode first, then scan the required wireless parameter function, and then scan the "Exit setting mode" barcode after setting up. After setting up, the existing function will replace the original factory default value, and even setting the recovery wireless parameters will not return to the original state.

Set the custom default settings

View version number

Use the scanner scan to view the version number bar code, you can view the current scanner wireless software version number information,

View version number

Tip sound sound setting

%%SpecCode97

Tip sound is high *

%%SpecCode96

In the sound of prompt sound

%%SpecCode95

The suggestive sound is low

%%SpecCode94

Prompt sound closed

Tips for sound frequency

%%SpecCode7C

%%SpecCode7C

2048MHz

%%SpecCode7D

%%SpecCode7D

2730MHz

The vibration setting

%%SpecCode77

%%SpecCode77

Open vibration (optional)

%%SpecCode76

%%SpecCode76

Close the vibration (optional)

Note: the vibration function is optional for some products.

battery status

When the user needs to view the current scanner power, he can directly scan the "Power Display" to set the bar code and view the current scanner power.

%%SpecCode15

%%SpecCode15

battery status

Settings of dormancy time

The dormancy time was used for 30s

Dormant time was 1min

Dormant time was 2min

Dormant time of 5min *

The dormancy time was 10min

The dormancy time was 30min

Never sleep

%%SpecCode38

Sleep immediately

data format

Use the barcode device wireless 2.4G or wired USB interface to set the data input format, you can directly output Chinese or other format languages.

Output the GBK encoding (Notepad, Excel, etc.)*

Output Unicode encoding (WORD, QQ, etc.)

With the screen bar code device related settings

Count zero

%%SPecCode1F

Clear screen count

Note: For wireless products with a screen, clear the scan code count data.

The setting interface displays the language

%%SpecCodeFB

Shown in Chinese

%%SpecCodeFA

Shown in English

Note: For wireless products with screen, set the screen display language.

Wireless working mode

Wireless scanners have three different working modes: synchronous mode, asynchronous mode, storage mode, and operation mode switching through different setting codes.

Synchronous mode

Synchronization mode is also known as normal mode. After setting the synchronization mode, the user scans the ordinary bar code, sweeps and passes, and abandons when disconnected.

Synchronous mode *

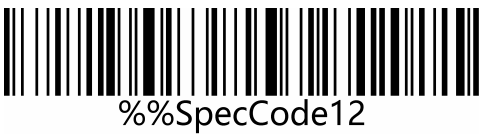
memory module

The Storage mode is also called the inventory mode, and the storage mode. After setting the storage mode, the user scans the ordinary bar code, and the barcode information will not be directly uploaded to the host device, but in the storage and scanner storage memory. If you need to view the data stored in the scanner, you can upload the data through data control or clear the data and statistical barcode data.
When the scanner is off or off, the data stored by the scanner will not be lost unless all data is cleared.

memory module

Don't lose mode

The Storage mode is also called the inventory mode, and the storage mode. After setting the storage mode, the user scans the ordinary bar code, and the barcode information will not be directly uploaded to the host device, but in the storage and scanner storage memory. If you need to view the data stored in the scanner, you can upload the data through data control



Don't lose mode

DC

Data control is used for the scanner storage data processing work.

Upload all of the data

When a user needs to upload the data stored on the barcode device to a computer or mobile device, scanning "upload all data" can upload the data to a computer or mobile device.
When uploading all data is used in any working mode, the barcodes stored by the original bardevice will not be deleted unless all barcodes are scanned and cleared.

Upload all of the data

Total number of uploaded data

When the user needs to count the total number of data stored by the barcode, the total number of data stored by the barcode to the computer or mobile device.

Total number of uploaded data

Clear all of the data

When the user needs to clear the data stored in the barcode device, the scan "Data Clear" can clear all the data stored in the barcode device.

%%SpecCode18

%%SpecCode18

Clear all data

Communication mode

The scanner can not only support wireless communication, but also support wired communication, when using the connected wired to the scanner, the scanner automatically switches to wired transmission.

A USB-COM virtual serial port

USB virtual serial port support the use of 2.4G mode wireless virtual serial port and wired USB virtual serial port, whether using wired or wireless virtual serial port need to be installed, virtual serial port drive,

%%SpecCodeAE

%%SpecCodeAE

USB-COM

Wireless 2.4G mode

Suitable for devices that can insert 2.4G receiver, can directly use text output, the equivalent of USB keyboard input.

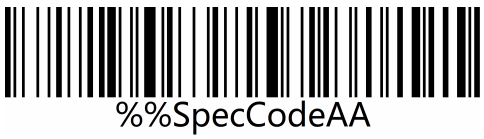
%%SpecCodeA8

%%SpecCodeA8

Wireless 2.4G mode

The Bluetooth HID mode

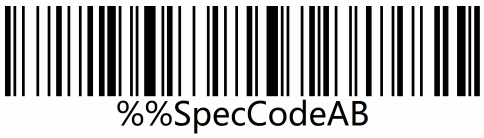
It is suitable for Bluetooth-supporting devices, such as mobile phone, pad, pen with Bluetooth, etc. After successful connection, text can be used to input directly, which is equivalent to the virtual keyboard input mode of such devices.



The Bluetooth HID mode

The Bluetooth SPP mode

It is suitable for Bluetooth-supporting devices, such as mobile phone, pad, pen with Bluetooth, etc. When using SPP transparent transmission data, you need to download or develop classic Bluetooth SPP transparent transmission software to use it. The SPP mode is suitable for mass data transfer.

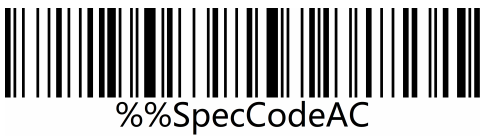


%%SpecCodeAB

The Bluetooth SPP mode

The Bluetooth BLE mode

It is suitable for Bluetooth-supporting devices, such as mobile phone, pad, pen with Bluetooth, etc. When using BLE transtransmission data, you need to download or develop low-power Bluetooth BLE transtransmission software to use it. The BLE mode is suitable for small amounts of data transfers.



%%SpecCodeAC

The Bluetooth BLE mode

Wireless paired settings

Wireless 2.4G pairing step (2.4G receiver pairing)

Support XP, Win7, Win8, Win10, MAC OS, etc.
Step 1: Scan the "Wireless 2.4G mode" setting code
When setting the wireless 2.4G mode, the last paired receiver is preferred by default.

%%SpecCodeA8

%%SpecCodeA8

Wireless in a 2.4G mode

Step 2: Scan the "Forced Matching" setting code, enter the pairing state, and the blue LED1 quickly flash.

%%SpecCode99

%%SpecCode99

Forced pairing

Step 3: Insert the Dongle (receiver) and hear a "drip" sound to indicating that the connection is successful. Blue LED2 is always bright.

pay attention to:
The scanner is in the paired state, either by double clicking the key twice or for 1 minute.

The Bluetooth HID pairing step

Step 1: Scan the Bluetooth HID Mode setting code
When setting the wireless Bluetooth HID mode, the last paired Bluetooth connection is preferred by default.

%%SpecCodeAA

%%SpecCodeAA

The Bluetooth HID mode

Step 2: Scan the "Forced Matching" setting code, enter the pairing state, and the blue LED1 and the blue LED2 flicker alternately.

%%SpecCode99

%%SpecCode99

Forced pairing

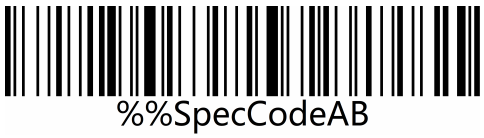
Note: Long press the button for 8 seconds without release, hear a "drop", and then release the button can also enter the Bluetooth HID pairing state (this function needs to be turned on).

Step 3: Turn on Bluetooth in the device and search for "Bar C ode Bluetooth HID".
Step 4: Click the BarCode Bluetooth HID Bluetooth device to enter the pairing state.
Step 5: hear "drop" sound, indicating that the connection pairing is successful, blue LED2 often bright.

pay attention to:
The scanner is in the paired state, either by double clicking the key twice or for 1 minute.

The Bluetooth SPP pairing step

Step 1: Scan the Bluetooth SPP Mode setting code
When setting the wireless Bluetooth SPP mode, it will automatically enter the SPP mode, and enter the broadcast state by default. You can directly click on the BarCode Bluetooth SPP device in the SPP software for pairing.



The Bluetooth SPP mode

Step 2: Search for "BarCode Bluetooth SPP" in the SPP transtransmission software.

Step 3: Click the BarCode Bluetooth SPP Bluetooth device to enter the pairing state.

Step 4: hear a "drop" sound, indicating that the connection pairing is successful, blue LED2 long bright.

The Bluetooth BLE pairing step

Step 1: Scan the Bluetooth SPP Mode setting code
When setting the wireless Bluetooth BLE mode, it will automatically enter the BLE mode and enter the broadcast state by default. You can directly click the BarCode Bluetooth BLE device in the BLE software for pairing.

%%SpecCodeAC

%%SpecCodeAC

The Bluetooth BLE mode

Step 2: Search for "BarCode Bluetooth BLE" in the SPP transtransmission software.

Step 3: Click the BarCode Bluetooth BLE Bluetooth device to enter the pairing state.

Step 4: hear a "drop" sound, indicating that the connection pairing is successful, blue LED2 long bright.

Bluetooth mode, function configuration

Long press for 8 seconds to enter the Bluetooth HID search

When using the Bluetooth barcode device, when opening the long press for 8 seconds to enter the Bluetooth HID search, you can configure the Bluetooth connection faster.

Open the long press for 8 seconds to enter the Bluetooth HID search

Turn off the long press for 8 seconds into the Bluetooth HID search

IOS system HID virtual keyboard settings

When connecting to the IOS system using Bluetooth HID mode, scan the "Display, or Hide the IOS Keyboard" to display or hide the IOS keyboard

%%SpecCode1A

Show or hide the IOS keyboard

Users can also set up the quick display or hide the IOS keyboard. When they double click to display the IOS keyboard function, they can call up the IOS virtual keyboard by quickly clicking the scanner button.

%%SpecCode7B

Double-click to display IOS Keyboard function (HID mode)

%%SpecCode7A

Turn off double-click to display IOS Keyboard function (HID mode)

Note: Android system keyboard display please contact the supplier to obtain the Bluetooth input method APP (due to Android system, some mobile phone manufacturers support the virtual keyboard when connected to the Bluetooth scanner)

Bluetooth HID upload speed setting

When using the Bluetooth HID to connect to the Bluetooth host, the upload speed of the Bluetooth scanner can be adjusted according to the response ability of the Bluetooth host. If the upload content is confused or lost, please reduce the speed.

%%SpecCodeB0

Upload fast

%%SpecCodeB1

Upload speed in the *

%%SpecCodeB2

Low upload speed

%%SpecCodeB3

The upload speed is super-low

Set the Bluetooth name setting

Use the following steps to customize the Bluetooth names for the Bluetooth HID, SPP, and BLE.

The procedure is as follows

Step 1: Scan the Custom Bluetooth Name setting code

%%SpecCodeEC

%%SpecCodeEC

Customize the Bluetooth name

Step 2: Scan the Bluetooth name barcode.

Note: The default name of Bluetooth is "Barcode Scanner". After setting by this step, the barcode will be set to the name of Bluetooth.

A) The longest name can only be set with 16 bytes. If the name bar code exceeds 16 bytes, the scanning gun only takes the first 16 bytes as the Bluetooth name.

B) Bluetooth complete name includes: Bluetooth name + protocol type, only support to modify the Bluetooth name. After changing the Bluetooth name, all, the names of the Bluetooth protocol are changed.

Example: Set the Bluetooth name to be: Scanner.
Step 1: Scan the Custom Bluetooth Name setting code

Customize the Bluetooth name

Step 2: Make and scan the Bluetooth name barcode.

The Bluetooth name is the Scanner

After the setting is completed:
The name of the Bluetooth HID is shown as: Scanner HID,;
The name of the Bluetooth SPP is shown as: Scnaner SPP;
The name of the Bluetooth BLE is shown as: Scanner BLE.

Get Bluetooth name

Get the Bluetooth name

Note: The Bluetooth name can only be obtained successfully in the Bluetooth HID, SPP, and BLE mode, otherwise it fails.

Keyboard Language Settings

The keyboard keys and symbols of different countries are different. The scanner can virtual form the keyboard system of different countries according to the actual needs. The keyboard layout is suitable for HID communication interface mode, and the default is "American English keyboard".

%%SpecCode40

%%SpecCode40

The English language of the English

%%SpecCode41

%%SpecCode41

The German language, German

%%SpecCode42

%%SpecCode42

The French language of the French

%%SpecCode43

%%SpecCode43

The Spanish language, Spanish

%%SpecCode44

%%SpecCode44

The Italian language is the Italian

%%SpecCode45

%%SpecCode45

The Japanese language is the Japanese

%%SpecCode47

%%SpecCode47

The Belgian French language of BF-Belgian French

%%SpecCode48

%%SpecCode48

The Portuguese language is the Portuguese

%%SpecCode49

%%SpecCode49

English English British English

%%SpecCode4A

%%SpecCode4A

German IOS keyboard German IOS keyboard

%%SpecCode4B

%%SpecCode4B

The Brazilian Portuguese language, Brazilian Portuguese

%%SpecCode4C

%%SpecCode4C

The Russian language of Russian

%%SpecCode4D

%%SpecCode4D

The Czech language, Czech

%%SpecCode4E

%%SpecCode4E

In Italy, 142 Italy 142

%%SpecCode4F

%%SpecCode4F

Turkey Q (Turkey Q)

%%SpecCode50

%%SpecCode50

Turkey, F (Turkey F)

%%SpecCode51

%%SpecCode51

Sweden / Finland Sweden / Finland

%%SpecCode52

%%SpecCode52

Mexican Spanish language Mexican Spanish

%%SpecCode53

%%SpecCode53

The Danish Denmark

%%SpecCode54

%%SpecCode54

Written in the Norwegian language of Written Norwegian

%%SpecCode55

%%SpecCode55

Croatian / Serbian language Croatian / Serbian

%%SpecCode56

%%SpecCode56

Swiss German language Swiss German

%%SpecCode57

%%SpecCode57

The Swiss French language of Swiss French

%%SpecCode58


%%SpecCode58

The Dutch language is Dutch


%%SpecCode59


%%SpecCode59

The Hungarian language is the Hungarian


%%SpecCode5A


%%SpecCode5A

The Polish language is the Polish


%%SpecCode5B


%%SpecCode5B

Canadian French language Canadian French


%%SpecCode5C


%%SpecCode5C

Argentina (Latin American) Argentina (Latin American)


%%SpecCode5D


%%SpecCode5D

The Slovak language is the Slovak


%%SpecCode5E


%%SpecCode5E

Thai Thai


%%SpecCode46


%%SpecCode46

International universal keyboard for the International keyboard

Note: International universal keyboard, support all PC end small languages.

Case conversion

By setting the case conversion function of the scanner, you can case convert the English letters of the data output by the scanner.
For example, when the barcode content is aBC123, set the scanner to "all in lower case", and the host gets the data will be "abc123". The default is the Normal normal output.

Normal(invariant)*

Upper (in full case)

Lower (all in lower case)

Inverse (Case is reverse)

Note: This parameter is only valid in standard keyboard input mode and keyboard simulation input control character mode.

Hidden character GS replacement function

With the GS replacement function, the hidden character GS can be replaced with other characters for the display of the host device. When the hidden GS characters need to be displayed, you can set the GS replacement with the 1D of the ASCII code character table.

Custom GS replacement

Step 1: Scan the Custom GS Replacement setting code

Custom GS replacement

Step 2: Query the "Appendix-ASCII Code Character Table" to find the barcode corresponding to the characters to be replaced and scan it.

instance:

Replace the GS characters with the characters that can be displayed |

Step 1: Scan the custom GS replacement setting code

Second, query the "Appendix-ASCII Code character table" to find the barcode corresponding to the "|" character and scan it.

Cancel GS replacement

Cancel GS replacement

Custom prefix suffix setting

This product supports up to 32 byte prefixes and 32 byte suffix settings.

Add a custom prefix

Step 1: Scan the "add a custom prefix" setting code;

Step 2: According to the content needed to be added, query the "ASCII code character table" and

Add a custom prefix

scan the setting code corresponding to the custom prefix in turn;

instance:
Set "ABC123", add custom "789" and output "789ABC123"
Step 1: Scan the " Add custom prefix setting code;

Step 2: According to the content to be added, query "ASCII code character table" and scan "7", "8", "9" corresponding to the setting code;

Clear the custom prefix

Add the custom prefix setting and follow the following steps to clear the custom prefix.
Step 1: Scan the " Add custom prefix setting code;

Step 2: Scan the "Exit Settings Mode" setting code of "Appendix-Enter / Exit Settings";

Or a direct scan to restore the factory value can also clear the custom prefix.

Add a custom suffix

Step 1: Scan the "add a custom prefix" setting code;
Step 2: According to the content that needs to be added, query the "ASCII code character table",

Add a custom suffix

and scan the setting code corresponding to the custom suffix in turn;

instance:
Set up to ABC123, add a custom XYZ, and output ABC123XYZ
Step 1: Scan the "Add a custom suffix" setting code;

Step 2: According to the content to be added, query "ASCII code character table" and scan "X", "Y", "Z" corresponding setting code;

Clear the custom suffix

By adding custom suffix settings, follow the following steps to clear the custom suffix.
Step 1: Scan the "Add a custom suffix" setting code;
Step 2: Scan the "Exit Settings Mode" setting code of "Appendix-Enter / Exit Settings";

Or a direct scan to restore the factory values can also clear the custom suffix.

Hide the front / post characters

Set the number of hidden before and after characters according to the following steps, hiding up to 16 bits.
Step 1: Scan the "hidden front character" or "hidden post character" setting code;

Hide the front character

Hide the posterior characters

Step 2: Scan the bar code corresponding to 01-16 in the Appendix-ASCII Code Character table according to the number of prefix or suffix characters to be hidden.

Hidden 1 bit

Hidden 2 bits

Hide 3 bits

Hide 4 bits

Clear the hidden front / suffix characters

Refer to the custom hidden front character setting, and follow the following steps to clear the hidden front characters.
Step 1: Scan the "hidden front character" or "hidden back character" setting code;
Step 2: Scan the "Exit Settings Mode" setting code of "Appendix-Enter / Exit Settings";

Or a direct scan to restore the factory value can also clear the custom prefix.

End character settings

The end character suffix is used to mark the end of a piece of complete data information. The end suffix must be the last part of a piece of data being sent, and no additional data thereafter. Select and scan the appropriate terminal barcode according to the requirements, and the default is return

%%SpecCode9C

%%SpecCode9C

Change End to <CR> (0x0D) *

%%SpecCode9D

%%SpecCode9D

Change End character to <LF> (0x0A)

%%SpecCode9E

%%SpecCode9E

Change End to <CR> <LF> (0x0D, 0x0A)

%%SpecCodeA2

%%SpecCodeA2

Change End character to <HT> (0x09)

%%SpecCode9F

%%SpecCode9F

The modified end character is no NONE

time clock feature

The clock function is supported by the wireless version above 3.0. By setting the clock function, the current time can be attached to the bar code and sent to the output device together.

%%SpecCode1B

%%SpecCode1B

Displays the current time

%%SpecCodeC1

%%SpecCodeC1

Increase the time before the barcode

%%SpecCodeC2

%%SpecCodeC2

Increase the time after the barcode

%%SpecCodeC0

%%SpecCodeC0

Time before and after closing the barcode

Note: The clock function needs to be customized and supported by the software version above 3.0. After the barcode device is turned off, the tool is used to synchronize the current time of the computer.

Controls the character set escape settings

The character table used to add the front suffix is divided into two parts, the control character table section and the display character table section. Display the character table, mainly the ASCII characters with key values greater than 31. This part of the characters can generally be directly output through the HID keyboard, no need to escape.
The control character table is mainly characters with key value less than 32, most of which cannot be output directly through the HID keyboard, but need to be exported from the HID keyboard. This scanner defines four escape methods, and switches different escape modes by scanning the code. Customers can set the appropriate escape character set according to their own needs, the default to the escape character set 0.

%%SpecCodeBA0000

Escape character set 0 *

%%SpecCodeBA0001

Escape character set 1

%%SpecCodeBA0002

Escape character set 2

%%SpecCodeBA0003

Escape character set 3

%%SpecCodeBA0004

Escape of the character set 4

Note: Character escape function is supported by wireless 3.0

Appendix-Entry / Exit Settings

%%EnterSet

Enter Settings mode

%%ExitSet

Exit Setup Mode

Appendix-LED indicator instructions

Indicator light Basic function description:

Blue light LED 2	Uused to indicate whether the wireless is connected, if the connection is always bright, if the connection is disconnected.
Blue light LED 1	Scan the code indicator light, successfully read the bar code, will flash briefly.
Red light LED3	The red light means it is charging, and when the red light is off, it means it is full or without connection
Blue light 2 out, blue light 1 flash	Paired state in the 2.4G / virtual Bluetooth mode
Blue light 1 out, blue light 2 flash	Paired state in the SPP mode
Blue light 1 and blue light 2 alternate flash flash	Paired state in the HID mode
Blue light 1 and blue light 2 synchronous flash flash	Paired state in the BLE mode
Blue light 1 and blue light 2 synchronous slow flash	The module is in an upgrade state

Note: The lighting instructions are slightly different according to different product configurations. If you need more, you can contact the supplier.

Appendix-buzzer sound description

A long note (first low, then high frequency)	Indicates that the power is turned on
A long tone (first high before low frequency)	Indicates that the power is turned off
A short (low frequency)	It means that the normal bar code is read, or the wireless connection is successful.
A short tone (first low, then high frequency)	The scanned data is stored in the storage area
A short sound (first high after low frequency)	Represents that the setup code was scanned
Three short short (low frequency)	Indicates that the wireless transmission has failed or that the cache is full
Five short short (low frequency)	It means the battery is out of power
Two short (low frequency)	Indicates a wireless disconnection
Two short (high frequency)	The setup code for the scan is not working

Appendix-Control character table

Note: The control character table setting code refers to the 01-31 corresponding setting code of the ASCII code character table.

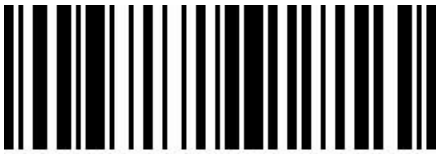
HEX	decimal system	ASCII	Character set 0	Character set 1	Character set 2	Character set 3	Character set 4
01	01	SOH	NULL	Home	Ctrl+A	Alt+001	Small keyboard return car
02	02	STX	Ctrl+B	End	Ctrl+B	Alt+002	Cap Lock
03	03	ETX	Ctrl+C	Up Arrow	Ctrl+C	Alt+003	Right Arrow
04	04	EOT	Custom button 1 * *	Down Arrow	Ctrl+D	Alt+004	Up Arrow
05	05	ENQ	Custom button 2 * *	Left Arrow	Ctrl+E	Alt+005	NULL
06	06	ACK	Custom button 3 * *	Right Arrow	Ctrl+F	Alt+006	NULL
07	07	BEL	Custom button 4 * *	Shift+Tab	Ctrl+G	Alt+007	Enter
08	08	B S	Back Space	Back Space	Back Space	Alt+008	Left Arrow
09	09	HT	Tab	Tab	Tab	Alt+009	Tab
0A	10	LF	Enter	Enter	Ctrl+J	Alt+010	Down Arrow
0B	11	VT	NULL	NULL	Ctrl+K	Alt+011	Tab
0C	12	FF	NULL	NULL	Ctrl+L	Alt+012	delete
0D	13	CR	Enter	Enter	Enter	Alt+013	Enter
0E	14	S0	F1	Page Up	Ctrl+N	Alt+014	Insert
0F	15	S1	F2	Page Down	Ctrl+O	Alt+015	Esc
10	16	DLE	F3	F11	Ctrl+P	Alt+016	F11
11	17	DC1	F4	NULL	Ctrl+Q	Alt+017	Home
12	18	DC2	F5	NULL	Ctrl+R	Alt+018	Print Screen
13	19	DC3	F6	NULL	Ctrl+S	Alt+019	Back Space
14	20	DC4	F7	NULL	Ctrl+T	Alt+020	Shift tab
15	21	NAK	F8	F12	Ctrl+U	Alt+021	F12

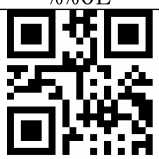
16	22	SYN	F9	F1	Ctrl+V	Alt+022	F1
17	23	TB	F10	F2	Ctrl+W	Alt+023	F2
18	24	CAN	F11	F3	Ctrl+X	Alt+024	F3
19	25	EM	F12	F4	Ctrl+Y	Alt+025	F4
1A	26	SUB	NULL	F5	Ctrl+Z	Alt+026	F5
1B	27	Esc	Esc	F6	Ctrl+[	Alt+027	F6
1C	28	FS	ALT+028	F7	Ctrl+\	Alt+028	F7
1D	29	GS	ALT+029	F8	Ctrl+]	Alt+029	F8
1E	30	RS	NULL	F9	Ctrl+^	Alt+030	F9
1F	31	US	NULL	F10	Ctrl+_	Alt+031	F10

* * Custom buttons can be used to customize control character settings by default.

Appendix-ASCII code character table

Note: Key value 01-31 is invisible character, make escape character set setting by referring to "Appendix-Control Character Table".
32-127, which can be output directly through the HID keyboard without escaping.

hexadecimal	ASCII price	character	One dimensional setting code	Two-dimensional setting code
01	01	SOH	 %%01	 %%01
02	02	STX	 %%02	 %%02
03	03	ETX	 %%03	 %%03
04	04	EOT	 %%04	 %%04
05	05	ENQ	 %%05	 %%05
06	06	ACK	 %%06	 %%06
07	07	BEL	 %%07	 %%07
08	08	B S	 %%08	 %%08

09	09	HT	 %%09	 %%09
0A	10	LF	 %%0A	 %%0A
0B	11	VT	 %%0B	 %%0B
0C	12	FF	 %%0C	 %%0C
0D	13	CR	 %%0D	 %%0D
0E	14	S0	 %%0E	 %%0E
0F	15	S1	 %%0F	 %%0F
10	16	DLE	 %%10	 %%10
11	17	DC1	 %%11	 %%11
12	18	DC2	 %%12	

				%%12
13	19	DC3	%%13	%%13
14	20	DC4	%%14	%%14
15	21	NAK	%%15	%%15
16	22	SYN	%%16	%%16
17	23	TB	%%17	%%17
18	24	CAN	%%18	%%18
19	25	EM	%%19	%%19
1A	26	SUB	%%1A	%%1A
1B	27	Esc	%%1B	

				%%1B
1C	28	FS	%%1C	%%1C
1D	29	GS	%%1D	%%1D
1E	30	RS	%%1E	%%1E
1F	31	US	%%1F	%%1F
20	32	SP		%%20
21	33	!		%%21
22	34	"		%%22
23	35	#		%%23
24	36	$		

				%%24
25	37	%		%%25
26	38	&		%%26
27	39	`		%%27
28	40	(		%%28
29	41	)		%%29
2A	42	*		%%2A
2B	43	+		%%2B
2C	44	,		%%2C
2D	45	-		

				%%2D
2E	46	.		%%2E
2F	47	/		%%2F
30	48	0		%%30
31	49	1		%%31
32	50	2		%%32
33	51	3		%%33
34	52	4		%%34
35	53	5		%%35
36	54	6		

				%%36
37	55	7		%%37
38	56	8		%%38
39	57	9		%%39
3A	58	:		%%3A
3B	59	;		%%3B
3C	60	<		%%3C
3D	61	=		%%3D
3E	62	>		%%3E
3F	63	?		

				 %%3F
40	64	@		 %%40
41	65	A		 %%41
42	66	B		 %%42
43	67	C		 %%43
44	68	D		 %%44
45	69	E		 %%45
46	70	F		 %%46
47	71	G		 %%47
48	72	H		

				%%48
49	73	I		%%49
4A	74	J		%%4A
4B	75	K		%%4B
4C	76	L		%%4C
4D	77	M		%%4D
4E	78	N		%%4E
4F	79	O		%%4F
50	80	P		%%50
51	81	Q		

				%%51
52	82	R		%%52
53	83	S		%%53
54	84	T		%%54
55	85	U		%%55
56	86	V		%%56
57	87	W		%%57
58	88	X		%%58
59	89	Y		%%59
5A	90	Z		

				%%5A
5B	91	[		%%5B
5C	92	\		%%5C
5D	93	]		%%5D
5E	94	^		%%5E
5F	95	_		%%5F
60	96	'		%%60
61	97	a		%%61
62	98	b		%%62
63	99	c		

				%%63
64	100	d		%%64
65	101	e		%%65
66	102	f		%%66
67	103	g		%%67
68	104	h		%%68
69	105	i		%%69
6A	106	j		%%6A
6B	107	k		%%6B
6C	108	l		

				 %%6C
6D	109	m		 %%6D
6E	110	n		 %%6E
6F	111	o		 %%6F
70	112	p		 %%70
71	113	q		 %%71
72	114	r		 %%72
73	115	s		 %%73
74	116	t		 %%74
75	117	u		

				%%75
76	118	v		%%76
77	119	w		%%77
78	120	x		%%78
79	121	y		%%79
7A	122	z		%%7A
7B	123	{		%%7B
7C	124	|		%%7C
7D	125	}		%%7D
7E	126	~		

				%%7E
7F	127	DEL		%%7F
C7	199	Ç	%%C7	%%C7
E7	231	ç	%%E7	%%E7