

RT214D

OEM Barcode Scan Engine

Programming Command Manual



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1. Introduction

1.1 About the Manual

This manual describes detailed usage of the command of RT214D.

Serial programming commands can be used in place of the programming bar codes.

Both the serial commands and the programming barcodes can configure the scanner.

For complete descriptions and examples of each serial programming command, refer to the corresponding programming bar code in this manual.

1.2 Summary

It supports four communication interfaces, USB virtual serial port/USB-CDC, HIDPOS, TTL-232 and RS232 serial port.

For different interfaces, communication protocols are different, and command data are consistent.

2. Communication Protocol

2. Communication Protocol

2.1 TTL/RS232 Serial Port

2.1.1 Protocol

Support UART protocol, 1-bit start bit, 1-bit stop bit, no parity bit, default baud rate 9600.

2.1.2 Data Format

LEN is 2 bytes in big endian format, representing the length of CMD/DATA, excluding BCC and ETX. BCC is the exclusive OR value from FID to DATA.

Format of host device sending data:

STX	FID	LEN		CMD	BCC	ETX
0x5A	0x00	0x00	0xxx	xxxxxxxxxxxx	(1Byte)	0xA5

Data format of scan engine responding to host device:

STX	FID	LEN		DATA	BCC	ETX
0x5A	0x01	0xxx	0xxx	xxxxxxxxxxxx	(1Byte)	0xA5

Format of scan engine uploading automatically:

STX	FID	LEN		DATA	BCC	ETX
0x5A	0x02	0xxx	0xxx	xxxxxxxxxxxx	(1Byte)	0xA5

2.1.3 Enable/disable the Programming barcode by command:

If you don't want others to setup the scanner via setting codes from the user manual, then you can send command to disable the Programming barcode function:

Function	ASCII command workable for USB/TTL/RS232	HEX command only workable for RS232 and TTL (must be in hex)
Enter Setup	S_CMD_0001	5A 00 00 0a 53 5f 43 4d 44 5f 30 30 30 31 12 A5
Exit Setup	S_CMD_0000	5A 00 00 0a 53 5f 43 4d 44 5f 30 30 30 30 13 A5

2.2 USB Interface

2.2.1 USB Virtual Serial Port/USB-CDC

If the scan engine uses USB communication interface, but the host device application program uses serial port to receive data, the scan engine can be set to USB virtual serial communication mode. And an appropriate driver needs to be installed in the host device.

(Generally speaking, after the scanner is plugged into the PC, it will automatically download and install the driver. If it is not installed automatically, please contact RTscan for the driver.)

- Format of host device sending data

CMD
XXXXXXXXXXXX

- Format of scan engine sending data to host device

DATA
XXXXXXXXXXXX

2.2.2 HIDPOS

USB HID-POS interface is recommended for new application software. Based on HID interface, no driver is required.

Protocol Format:

vid: 0x26f1

pid: 0x8803

Format of host device sending data:

Byte	Content
0	Message ID (0x04)
1	Valid data length
2-61	Data (CMD)
62	0x00, 1 byte reserved
63	0x00(no data after) 0x01(more data to follow)

Format of scan engine sending data to host device:

Byte	Content
0	Message ID (0x02)
1	Valid data length
2-57	Data (DATA)
58-62	0x00, 5 byte reserved
63	0x00(no data after) 0x01(more data to follow)

2.3 Status Word Return

When sending a command, the following status words (hex display) may be returned, indicating different status.

Status Word	Significance
9000	Successful
6A89	Failure or Error

2.4 Command Programming Example

Example 1: Set the scanner into Sense Mode:

(For mass order, the factory default settings are TTL and manual trigger mode. But for samples, the factory default settings are USB-HID and Continuous mode. So if you want to set the scanner into Sense Mode, please also follow steps below)

Step1, If its USB-HID interface, then scan setting codes below to switch the scanner to USB-CDC interface:



*Enter Setup



Switch To USB Virtual Serial Port

If USB-CDC, TTL or RS232 interface, then ignore above step 1 and come to step2 directly:

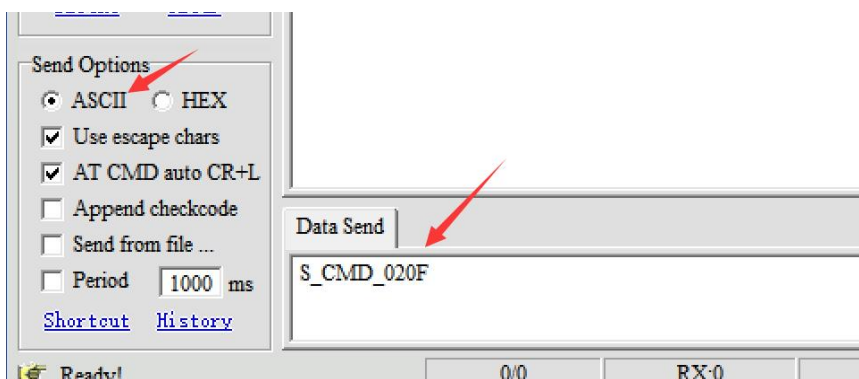
Step 2,

From the command table in Part 3, we can know:

Function	ASCII command workable for USB/TTL/RS232	HEX command only workable for RS232 and TTL (must be in hex)
Sense Mode	S_CMD_020F	5A 00 00 0a 53 5f 43 4d 44 5f 30 32 30 46 67 A5

There are three ways:

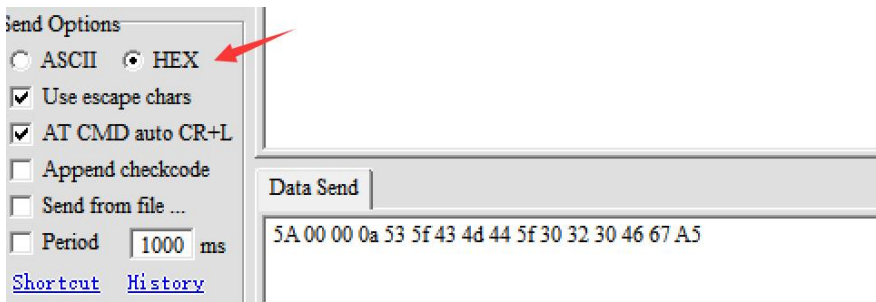
1. Send the ASCII command directly: **S_CMD_020F**



Or

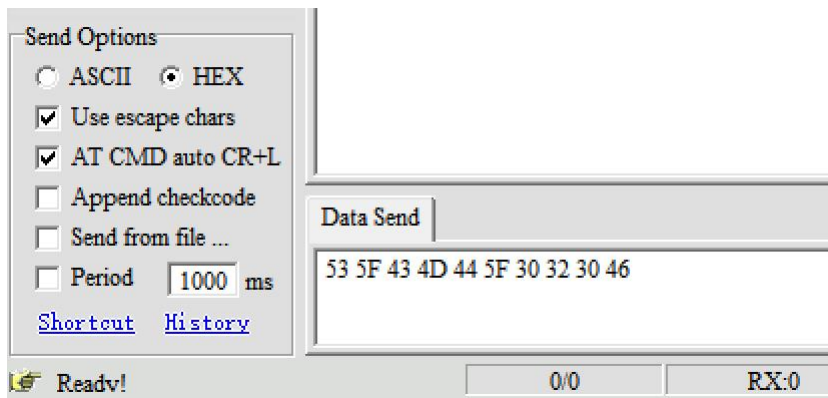
2. Send HEX Command directly: **5A 00 00 0a 53 5f 43 4d 44 5f 30 32 30 46 67 A5**

(only workable for RS232 and TTL interface, for USB Virtual Com interface, please refer to below 3)



Or

3. Turn the ASCII code : **S_CMD_020F** into HEX value: **53 5f 43 4d 44 5f 30 32 30 46** and Send in HEX. (this command workable for all RS232, TTL interface and USB Virtual Com interface)



Example 2: Send command to trigger the scanning

Firstly, we need to send command to set up the scanner to Command Mode:

Send in ASCII code: **S_CMD_020D** or its HEX value: **53 5F 43 4D 44 5F 30 32 30 44**.

Function	ASCII command workable for USB/TTL/RS232	HEX command only workable for RS232 and TTL (must be in hex)
Command Mode	S_CMD_020D	5A 00 00 0a 53 5f 43 4d 44 5f 30 32 30 44 65 A5
Read Barcode On	SR030301	5A 00 00 08 53 52 30 33 30 33 30 31 08 A5

After that, send in the ASCII code **SR030301** or its HEX value: **53 52 30 33 30 33 30 31** (workable for all types of interfaces) or **5A 00 00 08 53 52 30 33 30 33 30 31 08 A5** (only workable for RS232 and TTL interfaces) to trigger the scanning.

Tip: If you need to send multiple commands, you only need to send one time of the S_CMD_020D at the beginning, but there is no need to repeat send.

3. Command (CMD)

3. Commands

3.1 Programming commands

Important tip:

Below ASCII codes (or their HEX value) commands are workable for all USB-CDC/TTL/RS232 interfaces, but below HEX command((must be in hex)) only workable for RS232 and TTL interfaces but not the USB-CDC interface.

Function	ASCII command workable for USB/TTL/RS232	HEX command only workable for RS232 and TTL (must be in hex)
Enter Setup	S_CMD_0001	5A 00 00 0a 53 5f 43 4d 44 5f 30 30 30 31 12 A5
Exit Setup	S_CMD_0000	5A 00 00 0a 53 5f 43 4d 44 5f 30 30 30 30 13 A5
Transmit Programming Barcode Data	S_CMD_0011	5A 00 00 0a 53 5f 43 4d 44 5f 30 30 31 31 13 A5
Do Not Transmit Programming Barcode Data	S_CMD_0010	5A 00 00 0a 53 5f 43 4d 44 5f 30 30 31 30 12 A5
Restore Factory Defaults	S_CMD_FFFF	5A 00 00 0a 53 5f 43 4d 44 5f 46 46 46 46 13 A5
Save as Custom Defaults	S_CMD_00F1	5A 00 00 0a 53 5f 43 4d 44 5f 30 30 46 31 64 A5
Restore All Custom Defaults	S_CMD_00F0	5A 00 00 0a 53 5f 43 4d 44 5f 30 30 46 30 65 A5

3.2 Communication Interface

3.2.1 Serial Port

Function	ASCII command workable for USB/TTL/RS232	HEX command only workable for RS232 and TTL (must be in hex)
Switch To Serial Port	S_CMD_01H3	5A 00 00 0a 53 5f 43 4d 44 5f 30 31 48 33 69 A5
Baud Rate Setting 1200	S_CMD_H3BR1200	5A 00 00 0e 53 5f 43 4d 44 5f 48 33 42 52 31 32 30 30 7fA5
Baud Rate Setting 2400	S_CMD_H3BR2400	5A 00 00 0e 53 5f 43 4d 44 5f 48 33 42 52 32 34 30 30 7a A5
Baud Rate Setting 4800	S_CMD_H3BR4800	5A 00 00 0e 53 5f 43 4d 44 5f 48 33 42 52 34 38 30 30 70 A5
Baud Rate Setting 9600	S_CMD_H3BR9600	5A 00 00 0e 53 5f 43 4d 44 5f 48 33 42 52 39 36 30 30 73 A5
Baud Rate Setting 14400	S_CMD_H3BR14400	5A 00 00 0f 53 5f 43 4d 44 5f 48 33 42 52 31 34 34 30 30 4c A5
Baud Rate Setting 19200	S_CMD_H3BR19200	5A 00 00 0f 53 5f 43 4d 44 5f 48 33 42 52 31 39 32 30 30 47 A5
Baud Rate Setting 38400	S_CMD_H3BR38400	5A 00 00 0f 53 5f 43 4d 44 5f 48 33 42 52 33 38 34 30 30 42 A5
Baud Rate Setting 57600	S_CMD_H3BR57600	5A 00 00 0f 53 5f 43 4d 44 5f 48 33 42 52 35 37 36 30 30 49 A5
Baud Rate Setting 115200	S_CMD_H3BR115200	5A 00 00 10 53 5f 43 4d 44 5f 48 33 42 52 31 31 35 32 30 30 65 A5
No Parity	S_CMD_H3P0	5A 00 00 0a 53 5f 43 4d 44 5f 48 33 50 30 08 A5
Odd Parity	S_CMD_H3P1	5A 00 00 0a 53 5f 43 4d 44 5f 48 33 50 31 09 A5
Even Parity	S_CMD_H3P2	5A 00 00 0a 53 5f 43 4d 44 5f 48 33 50 32 0a A5

3.2.2 USB Interface

3.2.2.1 HID-KBW

Function	ASCII command workable for USB/TTL/RS232	HEX command only workable for RS232 and TTL (must be in hex)
Switch To HID-KBW	S_CMD_01H0	5A 00 00 0a 53 5f 43 4d 44 5f 30 31 48 30 6a A5

3.2.2.2 Virtual Serial Port/USB-CDC

Function	ASCII command workable for USB/TTL/RS232	HEX command only workable for RS232 and TTL (must be in hex)
Switch To USB Virtual Serial Port	S_CMD_01H2	5A 00 00 0a 53 5f 43 4d 44 5f 30 31 48 32 68 A5

3.2.2.3 HID-POS

Function	ASCII command workable for USB/TTL/RS232	HEX command only workable for RS232 and TTL (must be in hex)
Switch To HID-POS	S_CMD_01H1	5A 00 00 0a 53 5f 43 4d 44 5f 30 31 48 31 6b A5

3.3 Scan Mode

3.3.1 Batch Mode

Function	ASCII command workable for USB/TTL/RS232	HEX command only workable for RS232 and TTL (must be in hex)
Batch Mode	S_CMD_MB00	5A 00 00 0a 53 5f 43 4d 44 5f 4d 42 30 30 1c A5

3.3.2 Trigger Mode

Function	ASCII command workable for USB/TTL/RS232	HEX command only workable for RS232 and TTL (must be in hex)
Trigger Mode	S_CMD_MT00	5A 00 00 0a 53 5f 43 4d 44 5f 4d 54 30 30 0a A5
Single Reading Duration 3000ms	S_CMD_MTRS3 000	5A 00 00 0e 53 5f 43 4d 44 5f 4d 54 52 53 33 30 30 30 0c A5
Single Reading Duration 5000ms	S_CMD_MTRS5 000	5A 00 00 0e 53 5f 43 4d 44 5f 4d 54 52 53 35 30 30 30 0a A5
Custom Modify Single Reading Duration	S_CMD_MTRS	5A 00 00 0a 53 5f 43 4d 44 5f 4d 54 52 53 0b A5
Level Mode	S_CMD_MT10	5A 00 00 0a 53 5f 43 4d 44 5f 4d 54 31 30 0b A5
Pulse Mode	S_CMD_MT11	5A 00 00 0a 53 5f 43 4d 44 5f 4d 54 31 31 0a A5
No Delay To Scan The Same Barcode	S_CMD_MT30	5A 00 00 0a 53 5f 43 4d 44 5f 4d 54 33 30 09 A5
Require Delay To Scan The Same Barcode	S_CMD_MT31	5A 00 00 0a 53 5f 43 4d 44 5f 4d 54 33 31 08 A5
Disable Re Reading And Reset After Timeout	S_CMD_MT40	5A 00 00 0a 53 5f 43 4d 44 5f 4d 54 34 30 0e A5
Enable Re-reading And Reset After Timeout	S_CMD_MT41	5A 00 00 0a 53 5f 43 4d 44 5f 4d 54 34 31 0f A5
Delay Time Of Scanning The Same Barcode 0ms	S_CMD_MTRI00 00	5A 00 00 0e 53 5f 43 4d 44 5f 4d 54 52 49 30 30 30 30 15 A5
Delay Time Of Scanning The Same Barcode 1000ms	S_CMD_MTRI10 00	5A 00 00 0e 53 5f 43 4d 44 5f 4d 54 52 49 31 30 30 30 14 A5

Delay Time Of Scanning The Same Barcode 1500ms	S_CMD_MTRI1500	5A 00 00 0e 53 5f 43 4d 44 5f 4d 54 52 49 31 35 30 30 11 A5
Delay Time Of Scanning The Same Barcode 3000ms	S_CMD_MTRI3000	5A 00 00 0e 53 5f 43 4d 44 5f 4d 54 52 49 33 30 30 30 16 A5
Delay Time Of Scanning The Same Barcode 5000ms	S_CMD_MTRI5000	5A 00 00 0e 53 5f 43 4d 44 5f 4d 54 52 49 35 30 30 30 10 A5
Custom Modify Delay Time Of Scanning The Same Barcode	S_CMD_MTRI	5A 00 00 0a 53 5f 43 4d 44 5f 4d 54 52 49 11 A5
Disable Idle Auto Sleep (Serial Port)	S_CMD_MT20	5A 00 00 0a 53 5f 43 4d 44 5f 4d 54 32 30 08 A5
Allow Idle Auto Sleep (Serial Port)	S_CMD_MT21	5A 00 00 0a 53 5f 43 4d 44 5f 4d 54 32 31 09 A5
Idle Duration 500ms (Serial Port)	S_CMD_MTRF500	5A 00 00 0d 53 5f 43 4d 44 5f 4d 54 52 46 35 30 30 2c A5
Idle Duration 1000m(Serial Port)	S_CMD_MTRF1000	5A 00 00 0e 53 5f 43 4d 44 5f 4d 54 52 46 31 30 30 30 1b A5
Custom Set Up Idle Duration (Serial Port)	S_CMD_MTRF	5A 00 00 0a 53 5f 43 4d 44 5f 4d 54 52 46 1e A5

3.3.3 Sense Mode

Function	ASCII command workable for USB/TTL/RS232	HEX command only workable for RS232 and TTL (must be in hex)
Sense Mode	S_CMD_020F	5A 00 00 0a 53 5f 43 4d 44 5f 30 32 30 46 67 A5
Single Reading Duration 3000ms	S_CMD_MSRS3000	5A 00 00 0e 53 5f 43 4d 44 5f 4d 53 52 53 33 30 30 30 0b A5
Single Reading Duration 5000ms	S_CMD_MSRS5000	5A 00 00 0e 53 5f 43 4d 44 5f 4d 53 52 53 35 30 30 30 0d A5
Custom Modify Single Reading Duration	S_CMD_MSRS	5A 00 00 0a 53 5f 43 4d 44 5f 4d 53 52 53 0c A5
Image Stabilization Duration 60ms	S_CMD_MSRRP60	5A 00 00 0c 53 5f 43 4d 44 5f 4d 53 52 50 36 30 0f A5

Image Stabilization Duration 500ms	S_CMD_MS RP500	5A 00 00 0d 53 5f 43 4d 44 5f 4d 53 52 50 35 30 30 3d A5
Image Stabilization Duration 1000ms	S_CMD_MS RP1000	5A 00 00 0e 53 5f 43 4d 44 5f 4d 53 52 50 31 30 30 30 0a A5
Custom Modify Image Stabilization Duration	S_CMD_MS RP	5A 00 00 0a 53 5f 43 4d 44 5f 4d 53 52 50 0f A5
No Delay To Scan The Same Barcode	S_CMD_MS30	5A 00 00 0a 53 5f 43 4d 44 5f 4d 53 33 30 0e A5
Require Delay To Scan The Same Barcode	S_CMD_MS31	5A 00 00 0a 53 5f 43 4d 44 5f 4d 53 33 31 0f A5
Disable Re Reading And Reset After Timeout	S_CMD_MS40	5A 00 00 0a 53 5f 43 4d 44 5f 4d 53 34 30 09 A5
Enable Re Reading And Reset After Timeout	S_CMD_MS41	5A 00 00 0a 53 5f 43 4d 44 5f 4d 53 34 31 08 A5
Delay Time Of Scanning The Same Barcode 0ms	S_CMD_MSRI0000	5A 00 00 0e 53 5f 43 4d 44 5f 4d 53 52 49 30 30 30 30 12 A5

Delay Time Of Scanning The Same Barcode 1000ms	S_CMD_MSRI1000	5A 00 00 0e 53 5f 43 4d 44 5f 4d 53 52 49 31 30 30 30 13 A5
Delay Time Of Scanning The Same Barcode 1500ms	S_CMD_MSRI1500	5A 00 00 0e 53 5f 43 4d 44 5f 4d 53 52 49 31 35 30 30 16 A5
Delay Time Of Scanning The Same Barcode 3000ms	S_CMD_MSRI3000	5A 00 00 0e 53 5f 43 4d 44 5f 4d 53 52 49 33 30 30 30 11 A5
Delay Time Of Scanning The Same Barcode 5000ms	S_CMD_MSRI5000	5A 00 00 0e 53 5f 43 4d 44 5f 4d 53 52 49 35 30 30 30 17 A5
Custom Modify Delay Time Of Scanning The Same barcode	S_CMD_MSRI	5A 00 00 0a 53 5f 43 4d 44 5f 4d 53 52 49 16 A5

Medium Sensitivity	S_CMD_MS51	5A 00 00 0a 53 5f 43 4d 44 5f 4d 53 35 31 09 A5
Low Sensitivity	S_CMD_MS52	5A 00 00 0a 53 5f 43 4d 44 5f 4d 53 35 32 0a A5
High Sensitivity	S_CMD_MS53	5A 00 00 0a 53 5f 43 4d 44 5f 4d 53 35 33 0b A5
Enhanced Sensitivity	S_CMD_MS54	5A 00 00 0a 53 5f 43 4d 44 5f 4d 53 35 34 0c A5
Modify The Scene Change Threshold Value	S_CMD_MS50	5A 00 00 0a 53 5f 43 4d 44 5f 4d 53 35 30 08 A5
Stop Mode 1	S_CMD_MSSA	5A 00 00 0a 53 5f 43 4d 44 5f 4d 53 53 41 1fA5
Stop Mode 2	S_CMD_MSST	5A 00 00 0a 53 5f 43 4d 44 5f 4d 53 53 54 0a A5

3.3.4 Continuous Mode

Function	ASCII command workable for USB/TTL/RS232	HEX command only workable for RS232 and TTL (must be in hex)
Continuous Mode	S_CMD_020E	5A 00 00 0a 53 5f 43 4d 44 5f 30 32 30 45 64 A5
Single Reading Duration 3000ms	S_CMD_MARS3000	5A 00 00 0e 53 5f 43 4d 44 5f 4d 41 52 53 33 30 30 30 19 A5
Single Reading Duration 5000ms	S_CMD_MARS5000	5A 00 00 0e 53 5f 43 4d 44 5f 4d 41 52 53 35 30 30 30 1f A5
Custom Single Duration Modify Reading	S_CMD_MARS	5A 00 00 0a 53 5f 43 4d 44 5f 4d 41 52 53 1e A5
Interval Duration of reading 0ms	S_CMD_MARR000	5A 00 00 0d 53 5f 43 4d 44 5f 4d 41 52 52 30 30 30 28 A5
Interval Duration of reading 500ms	S_CMD_MARR500	5A 00 00 0d 53 5f 43 4d 44 5f 4d 41 52 52 35 30 30 2d A5
Interval Duration of reading 1000ms	S_CMD_MARR1000	5A 00 00 0e 53 5f 43 4d 44 5f 4d 41 52 52 31 30 30 30 1a A5
Interval Duration of reading 2000ms	S_CMD_MARR2000	5A 00 00 0e 53 5f 43 4d 44 5f 4d 41 52 52 32 30 30 30 19 A5
Interval Duration of reading 5000ms	S_CMD_MARR5000	5A 00 00 0e 53 5f 43 4d 44 5f 4d 41 52 52 35 30 30 30 1e A5
Custom Modify Interval Duration of reading	S_CMD_MARR	5A 00 00 0a 53 5f 43 4d 44 5f 4d 41 52 52 1f A5
No Delay To Scan The Same Barcode	S_CMD_MA30	5A 00 00 0a 53 5f 43 4d 44 5f 4d 41 33 30 1c A5

Require Delay To Scan The Same Barcode	S_CMD_MA31	5A 00 00 0a 53 5f 43 4d 44 5f 4d 41 33 31 1d A5
Disable Re Reading And Reset After Timeout	S_CMD_MA40	5A 00 00 0a 53 5f 43 4d 44 5f 4d 41 34 30 1b A5
Enable Re Reading And Reset After Timeout	S_CMD_MA41	5A 00 00 0a 53 5f 43 4d 44 5f 4d 41 34 31 1a A5
Delay Time Of Scanning The Same Barcode 0ms	S_CMD_MARI0000	5A 00 00 0e 53 5f 43 4d 44 5f 4d 41 52 49 30 30 30 30 00 A5
Delay Time Of Scanning The Same Barcode 1000ms	S_CMD_MARI1000	5A 00 00 0e 53 5f 43 4d 44 5f 4d 41 52 49 31 30 30 30 01 A5
Delay Time Of Scanning The Same Barcode 1000ms	S_CMD_MARI1000	5A 00 00 0e 53 5f 43 4d 44 5f 4d 41 52 49 31 30 30 30 01 A5
Delay Time Of Scanning The Same Barcode 1500ms	S_CMD_MARI1500	5A 00 00 0e 53 5f 43 4d 44 5f 4d 41 52 49 31 35 30 30 04 A5
Delay Time Of Scanning The Same Barcode 3000ms	S_CMD_MARI3000	5A 00 00 0e 53 5f 43 4d 44 5f 4d 41 52 49 33 30 30 30 03 A5
Delay Time Of Scanning The Same Barcode 5000ms	S_CMD_MARI5000	5A 00 00 0e 53 5f 43 4d 44 5f 4d 41 52 49 35 30 30 30 05 A5
Custom Modify Delay Time Of Scanning The Same Barcode	S_CMD_MARI	5A 00 00 0a 53 5f 43 4d 44 5f 4d 41 52 49 04 A5

3.3.5 Command trigger Mode

Function	ASCII command workable for USB/TTL/RS232	HEX command only workable for RS232 and TTL (must be in hex)
Command Mode	S_CMD_020D	5A 00 00 0a 53 5f 43 4d 44 5f 30 32 30 44 65 A5
Read Barcode On	SR030301	5A 00 00 08 53 52 30 33 30 33 30 31 08 A5
Read Barcode Off	SR030300	5A 00 00 08 53 52 30 33 30 33 30 30 09 A5
Sleep (Serial Port)	-	5A 00 00 08 53 52 44 46 30 30 35 30 0e A5
Awake (Serial Port, Any Command)	-	5A 00 00 08 53 52 44 46 30 30 35 31 0f A5
Single Reading Duration No Time Limit	S_CMD_MCRS0000	5A 00 00 0e 53 5f 43 4d 44 5f 4d 43 52 53 30 30 30 18 A5
Single Reading Duration 3s	S_CMD_MCRS3000	5A 00 00 0e 53 5f 43 4d 44 5f 4d 43 52 53 33 30 30 1b A5
Single Reading Duration 5s	S_CMD_MCRS5000	5A 00 00 0e 53 5f 43 4d 44 5f 4d 43 52 53 35 30 30 1d A5
Single Reading Duration 10s	S_CMD_MCRS10000	5A 00 00 0f 53 5f 43 4d 44 5f 4d 43 52 53 31 30 30 30 28 A5
Custom Modify Single Reading Duration	S_CMD_MCRS	5A 00 00 0a 53 5f 43 4d 44 5f 4d 43 52 53 1c A5

3.4 Illumination and Aiming

3.4.1 Illumination

Function	ASCII command workable for USB/TTL/RS232	HEX command only workable for RS232 and TTL (must be in hex)
Normal	S_CMD_03L2	5A 00 00 0a 53 5f 43 4d 44 5f 30 33 4c 32 6e A5
Off	S_CMD_03L0	5A 00 00 0a 53 5f 43 4d 44 5f 30 33 4c 30 6c A5
Always On	S_CMD_03L1	5A 00 00 0a 53 5f 43 4d 44 5f 30 33 4c 31 6d A5

3.4.2 Aiming

Function	ASCII command workable for USB/TTL/RS232	HEX command only workable for RS232 and TTL (must be in hex)
Normal	S_CMD_03A2	5A 00 00 0a 53 5f 43 4d 44 5f 30 33 41 32 63 A5
Off	S_CMD_03A0	5A 00 00 0a 53 5f 43 4d 44 5f 30 33 41 30 61 A5
Always On	S_CMD_03A1	5A 00 00 0a 53 5f 43 4d 44 5f 30 33 41 31 60 A5

3.5 Beeps And LED

Function	ASCII command workable for USB/TTL/RS232	HEX command only workable for RS232 and TTL (must be in hex)
All Beeps Off	S_CMD_04F0	5A 00 00 0a 53 5f 43 4d 44 5f 30 34 46 30 61 A5
All Beeps On	S_CMD_04F1	5A 00 00 0a 53 5f 43 4d 44 5f 30 34 46 31 60 A5
Power On Beep Is On	S_CMD_0401	5A 00 00 0a 53 5f 43 4d 44 5f 30 34 30 31 16 A5
Power On Beep Is Off	S_CMD_0400	5A 00 00 0a 53 5f 43 4d 44 5f 30 34 30 30 17 A5
Good Read Beep Is On	S_CMD_0403	5A 00 00 0a 53 5f 43 4d 44 5f 30 34 30 33 14 A5
Good Read Beep Is Off	S_CMD_0402	5A 00 00 0a 53 5f 43 4d 44 5f 30 34 30 32 15 A5
Beep Type 1	S_CMD_04T1	5A 00 00 0a 53 5f 43 4d 44 5f 30 34 54 31 72 A5

Beep Type 2	S_CMD_04T2	5A 00 00 0a 53 5f 43 4d 44 5f 30 34 54 32 71 A5
Beep Type 3	S_CMD_04T3	5A 00 00 0a 53 5f 43 4d 44 5f 30 34 54 33 70 A5
High Beep Volume	S_CMD_04V0	5A 00 00 0a 53 5f 43 4d 44 5f 30 34 56 30 71 A5
Medium Beep Volume	S_CMD_04V1	5A 00 00 0a 53 5f 43 4d 44 5f 30 34 56 31 70 A5
Low Beep Volume	S_CMD_04V2	5A 00 00 0a 53 5f 43 4d 44 5f 30 34 56 32 73 A5
Programming Barcode Beep On	S_CMD_0405	5A 00 00 0a 53 5f 43 4d 44 5f 30 34 30 35 12 A5
Programming Barcode Beep Off	S_CMD_0404	5A 00 00 0a 53 5f 43 4d 44 5f 30 34 30 34 13 A5
Good Read LED Is On	S_CMD_0407	5A 00 00 0a 53 5f 43 4d 44 5f 30 34 30 37 10 A5
Good Read LED Is Off	S_CMD_0406	5A 00 00 0a 53 5f 43 4d 44 5f 30 34 30 36 11 A5
LED Remained Time 100ms	S_CMD_04LR100	5A 00 00 0d 53 5f 43 4d 44 5f 30 34 4c 52 31 30 30 3f A5
LED Remained Time 200ms	S_CMD_04LR200	5A 00 00 0d 53 5f 43 4d 44 5f 30 34 4c 52 32 30 30 3c A5
LED Remained Time 500ms	S_CMD_04LR500	5A 00 00 0d 53 5f 43 4d 44 5f 30 34 4c 52 35 30 30 3b A5
Custom Modify LED Remained Time	S_CMD_04LR	5A 00 00 0a 53 5f 43 4d 44 5f 30 34 4c 52 09 A5
Good Read LED Work Mode 0	S_CMD_04L0	5A 00 00 0a 53 5f 43 4d 44 5f 30 34 4c 30 6b A5
Good Read LED Work Mode 1	S_CMD_04L1	5A 00 00 0a 53 5f 43 4d 44 5f 30 34 4c 31 6a A5
Good Read LED Work Mode 2	S_CMD_04L2	5A 00 00 0a 53 5f 43 4d 44 5f 30 34 4c 32 69 A5
Allow Output NGR Information	S_CMD_0409	5A 00 00 0a 53 5f 43 4d 44 5f 30 34 30 39 1e A5
Do Not Output NGR Information	S_CMD_0408	5A 00 00 0a 53 5f 43 4d 44 5f 30 34 30 38 1f A5
Modify NGR Information	S_CMD_04NR	5A 00 00 0a 53 5f 43 4d 44 5f 30 34 4e 52 0b A5

3.6 Edit Data

Function	ASCII command workable for USB/TTL/RS232	HEX command only workable for RS232 and TTL (must be in hex)
Allow All Information To Be Added	S_CMD_05F1	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 46 31 61 A5
Disable All Information To Be Added	S_CMD_05F0	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 46 30 60 A5
Do Not Output Decoding Length Information	S_CMD_05L0	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 4c 30 6a A5
Output Decoding Length Information	S_CMD_05L1	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 4c 31 6b A5
Do Not Use Start	S_CMD_05S0	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 53 30 75 A5
Use STX To Be Start	S_CMD_05S1	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 53 31 74 A5
Code ID+Prefix	S_CMD_05C1	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 43 31 64 A5
Prefix+Code ID	S_CMD_05C0	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 43 30 65 A5
Allow To Add Prefix	S_CMD_0501	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 30 31 17 A5
Do Not Add Prefix	S_CMD_0500	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 30 30 16 A5
Modify Prefix	S_CMD_051R	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 31 52 75 A5
Modify Prefix According To Barcode Types	S_CMD_051P	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 31 50 77 A5
Delete All Prefix Setting	S_CMD_CLPR	5A 00 00 0a 53 5f 43 4d 44 5f 43 4c 50 52 1e A5
Allow To Add Code ID	S_CMD_0505	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 30 35 13 A5
Do Not Add Code ID	S_CMD_0504	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 30 34 12 A5
Restore Code IDs Of All Barcode Types	S_CMD_IDFF	5A 00 00 0a 53 5f 43 4d 44 5f 49 44 46 46 1e A5
Modify Code128 Code ID	S_CMD_ID00	5A 00 00 0a 53 5f 43 4d 44 5f 49 44 30 30 1e A5
Modify EAN8 Code ID	S_CMD_ID01	5A 00 00 0a 53 5f 43 4d 44 5f 49 44 30 31 1f A5
Modify EAN13 Code ID	S_CMD_ID02	5A 00 00 0a 53 5f 43 4d 44 5f 49 44 30 32 1c A5

Modify UPCE0 Code ID	S_CMD_ID03	5A 00 00 0a 53 5f 43 4d 44 5f 49 44 30 33 1d A5
Modify UPCE1 Code ID	S_CMD_ID04	5A 00 00 0a 53 5f 43 4d 44 5f 49 44 30 34 1a A5
Modify UPCA Code ID	S_CMD_ID05	5A 00 00 0a 53 5f 43 4d 44 5f 49 44 30 35 1b A5
Modify Interleaved 2 of 5 Code ID	S_CMD_ID06	5A 00 00 0a 53 5f 43 4d 44 5f 49 44 30 36 18 A5
Modify Matrix 25 Code ID	S_CMD_ID07	5A 00 00 0a 53 5f 43 4d 44 5f 49 44 30 37 19 A5
Modify Industrial 25 Code ID	S_CMD_ID08	5A 00 00 0a 53 5f 43 4d 44 5f 49 44 30 38 16 A5
Modify IATA25 Code ID	S_CMD_ID09	5A 00 00 0a 53 5f 43 4d 44 5f 49 44 30 39 17 A5
Modify Code 39 Code ID	S_CMD_ID0A	5A 00 00 0a 53 5f 43 4d 44 5f 49 44 30 41 6fA5
Modify Code 93 Code ID	S_CMD_ID0B	5A 00 00 0a 53 5f 43 4d 44 5f 49 44 30 42 6c A5
Modify Codabar Code ID	S_CMD_ID0C	5A 00 00 0a 53 5f 43 4d 44 5f 49 44 30 43 6d A5
Modify PDF417 Code ID	S_CMD_ID0D	5A 00 00 0a 53 5f 43 4d 44 5f 49 44 30 44 6a A5
Modify QR Code ID	S_CMD_ID0E	5A 00 00 0a 53 5f 43 4d 44 5f 49 44 30 45 6b A5
Modify DM Code ID	S_CMD_ID0F	5A 00 00 0a 53 5f 43 4d 44 5f 49 44 30 46 68 A5
Modify Code 11 Code ID	S_CMD_ID10	5A 00 00 0a 53 5f 43 4d 44 5f 49 44 31 30 1fA5
Modify MSI Plessey Code ID	S_CMD_ID11	5A 00 00 0a 53 5f 43 4d 44 5f 49 44 31 31 1e A5
Modify Micro QR Code ID	S_CMD_ID12	5A 00 00 0a 53 5f 43 4d 44 5f 49 44 31 32 1d A5
Modify Code32 Code ID	S_CMD_ID13	5A 00 00 0a 53 5f 43 4d 44 5f 49 44 31 33 1c A5
Modify ISBN Code ID	S_CMD_ID14	5A 00 00 0a 53 5f 43 4d 44 5f 49 44 31 34 1b A5
Modify ISSN Code ID	S_CMD_ID15	5A 00 00 0a 53 5f 43 4d 44 5f 49 44 31 35 1a A5
Modify GS1 128 Code ID	S_CMD_ID16	5A 00 00 0a 53 5f 43 4d 44 5f 49 44 31 36 19 A5
Modify AIM 128 Code ID	S_CMD_ID17	5A 00 00 0a 53 5f 43 4d 44 5f 49 44 31 37 18 A5
Modify ISBT 128 Code	S_CMD_ID18	5A 00 00 0a 53 5f 43 4d 44 5f 49 44 31 38 17 A5

ID		
Modify Micro PDF417 Code ID	S_CMD_ID19	5A 00 00 0a 53 5f 43 4d 44 5f 49 44 31 39 16 A5
Modify Aztec Code ID	S_CMD_ID20	5A 00 00 0a 53 5f 43 4d 44 5f 49 44 32 30 1c A5
Modify GS1 DataBar Code ID	S_CMD_ID21	5A 00 00 0a 53 5f 43 4d 44 5f 49 44 32 31 1d A5
Modify GS1 DataBar Limited Code ID	S_CMD_ID22	5A 00 00 0a 53 5f 43 4d 44 5f 49 44 32 32 1e A5
Modify GS1 DataBar Expanded Code ID	S_CMD_ID23	5A 00 00 0a 53 5f 43 4d 44 5f 49 44 32 33 1f A5
Modify Plessey Code ID	S_CMD_ID24	5A 00 00 0a 53 5f 43 4d 44 5f 49 44 32 34 18 A5
Modify Maxicode Code ID	S_CMD_ID25	5A 00 00 0a 53 5f 43 4d 44 5f 49 44 32 35 19 A5
Modify Chinese-sensible Code ID	S_CMD_ID26	5A 00 00 0a 53 5f 43 4d 44 5f 49 44 32 36 1a A5
Modify DotCode Code ID	S_CMD_ID27	5A 00 00 0a 53 5f 43 4d 44 5f 49 44 32 37 1b A5
Modify Composite Code ID	S_CMD_ID28	5A 00 00 0a 53 5f 43 4d 44 5f 49 44 32 38 14 A5
Allow To Add Suffix	S_CMD_0507	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 30 37 11 A5
Do Not Add Suffix	S_CMD_0506	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 30 36 10 A5
Modify Suffix	S_CMD_057R	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 37 52 73 A5
Modify Suffix According To Barcode Types	S_CMD_057S	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 37 53 72 A5
Delete All Suffix Setting	S_CMD_CLSF	5A 00 00 0a 53 5f 43 4d 44 5f 43 4c 53 46 09 A5
Allow To Add Terminator	S_CMD_0509	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 30 39 1f A5
Do Not Add Terminator	S_CMD_0508	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 30 38 1e A5
Add 0x0D To Be Terminator	S_CMD_059D	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 39 44 6b A5
Add 0x0D 0x0A To Be Terminator	S_CMD_059A	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 39 41 6e A5
Modify Terminator	S_CMD_059R	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 39 52 7d A5
Quick Configuration - Turn Off Terminator	S_CMD_05T0	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 54 30 72 A5

Quick Configuration - Add CR	S_CMD_05T1	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 54 31 73 A5
Quick Configuration - Add CRLF	S_CMD_05T2	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 54 32 70 A5
Quick Configuration- Add LF	S_CMD_05T3	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 54 33 71 A5
Quick Configuration- Add TAB	S_CMD_05T4	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 54 34 76 A5
Quick Configuration- Add ETX	S_CMD_05T5	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 54 35 77 A5
Output All Parts Of Data	S_CMD_05D0	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 44 30 62 A5
Only Output Start	S_CMD_05D1	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 44 31 63 A5
Only Output End	S_CMD_05D2	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 44 32 60 A5
Only Output Center	S_CMD_05D3	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 44 33 61 A5
Modify Length of Start	S_CMD_05SL	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 53 4c 09 A5
Modify Length of End	S_CMD_05EL	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 45 4c 1f A5
Disable To Hide Start	S_CMD_HIS0	5A 00 00 0a 53 5f 43 4d 44 5f 48 49 53 30 71 A5
Enable To Hide Start	S_CMD_HIS1	5A 00 00 0a 53 5f 43 4d 44 5f 48 49 53 31 70 A5
Disable To Hide Center	S_CMD_HIC0	5A 00 00 0a 53 5f 43 4d 44 5f 48 49 43 30 61 A5
Enable To Hide Center	S_CMD_HIC1	5A 00 00 0a 53 5f 43 4d 44 5f 48 49 43 31 60 A5
Disable To Hide End	S_CMD_HIE0	5A 00 00 0a 53 5f 43 4d 44 5f 48 49 45 30 67 A5
Enable To Hide End	S_CMD_HIE1	5A 00 00 0a 53 5f 43 4d 44 5f 48 49 45 31 66 A5
Modify The Length Of Start According To Barcode Types	S_CMD_05CS	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 43 53 06 A5
Modify The Length Of Center According To Barcode Types	S_CMD_05CC	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 43 43 16 A5
Modify The Length Of End According To Barcode Types	S_CMD_05CE	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 43 45 10 A5

Delete All Setting Of Length Of Data	S_CMD_CLAL	5A 00 00 0a 53 5f 43 4d 44 5f 43 4c 41 4c 11 A5
Auto Identify GBK&UTF8	S_CMD_05IA	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 49 41 1e A5
Auto Identify BIG5&UTF8	S_CMD_05IF	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 49 46 19 A5
Auto Shift-JIS&UTF8	S_CMD_05IJ	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 49 4a 15 A5
Output Encoding GBK	S_CMD_05IA	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 4f 47 1e A5
Output Encoding UNICODE	S_CMD_05ON	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 4f 4e 17 A5
Output Encoding BIG5	S_CMD_05OB	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 4f 42 1b A5
Output Encoding Shift-JIS	S_CMD_05OS	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 4f 53 0a A5
Output Encoding UTF8	S_CMD_05O8	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 4f 38 61 A5
Original Data Output	S_CMD_0500	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 4f 4f 16 A5
Enable Invoice Mode	S_CMD_05B1	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 42 31 65 A5
Disable Invoice Mode	S_CMD_05B0	5A 00 00 0a 53 5f 43 4d 44 5f 30 35 42 30 64 A5
Enable ECI Mode	C_CMD_ECI1	5A 00 00 0a 43 5f 43 4d 44 5f 45 43 49 31 7d A5
Disable ECI Mode	C_CMD_ECI0	5A 00 00 0a 43 5f 43 4d 44 5f 45 43 49 30 7c A5
Disable To Read QR Website Code	C_CMD_URL0	5A 00 00 0a 43 5f 43 4d 44 5f 55 52 4c 30 78 A5
Enable To Read QR Website Code	C_CMD_URL1	5A 00 00 0a 43 5f 43 4d 44 5f 55 52 4c 31 79 A5

3.7 Symbologies Parameters

Function	ASCII command workable for USB/TTL/RS232	HEX command only workable for RS232 and TTL (must be in hex)
Allow To Scan All Symbologies	C_CMD_R111	5A 00 00 0a 43 5f 43 4d 44 5f 52 31 31 31 60 A5
Disable To Scan All Symbologies	C_CMD_R000	5A 00 00 0a 43 5f 43 4d 44 5f 52 30 30 30 61 A5
Restore The Default Symbologies	C_CMD_RFFF	5A 00 00 0a 43 5f 43 4d 44 5f 52 46 46 46 17 A5
Allow To Scan All 1D Symbologies	C_CMD_R011	5A 00 00 0a 43 5f 43 4d 44 5f 52 30 31 31 61 A5
Disable To Scan All 1D Symbologies	C_CMD_R010	5A 00 00 0a 43 5f 43 4d 44 5f 52 30 31 30 60 A5
Allow To Scan All 2D Symbologies	C_CMD_R101	5A 00 00 0a 43 5f 43 4d 44 5f 52 31 30 31 61 A5
Disable To Scan All 2D Symbologies	C_CMD_R100	5A 00 00 0a 43 5f 43 4d 44 5f 52 31 30 30 60 A5
QR Programming Barcode Setting		
Do Not Actually Configure QR	S_CMD_00Q0	5A 00 00 0a 53 5f 43 4d 44 5f 30 30 51 30 72 A5
Actually Configure QR	S_CMD_00Q1	5A 00 00 0a 53 5f 43 4d 44 5f 30 30 51 31 73 A5
GS1 AI Setting		
Enable GS1 AI Output Rule	C_CMD_GSA1	5A 00 00 0a 43 5f 43 4d 44 5f 47 53 41 31 67 A5
Disable GS1 AI Output Rule	C_CMD_GSA0	5A 00 00 0a 43 5f 43 4d 44 5f 47 53 41 30 66 A5
Reverse Color Code		
Allow To Read Reverse Color Code	C_CMD_INV1	5A 00 00 0a 43 5f 43 4d 44 5f 49 4e 56 31 63 A5
Disable To Read Reverse Color Code	C_CMD_INV0	5A 00 00 0a 43 5f 43 4d 44 5f 49 4e 56 30 62 A5
Allow To Read 1D Reverse Color Code	C_CMD_OIM1	5A 00 00 0a 43 5f 43 4d 44 5f 4f 49 4d 31 79 A5
Disable To Read 1D Reverse Color Code	C_CMD_OIM0	5A 00 00 0a 43 5f 43 4d 44 5f 4f 49 4d 30 78 A5
Allow To Read PDF417 Reverse Color Code	C_CMD_PIM1	5A 00 00 0a 43 5f 43 4d 44 5f 50 49 4d 31 66 A5

Disable To Read PDF417 Reverse Color Code	C_CMD_PIM0	5A 00 00 0a 43 5f 43 4d 44 5f 50 49 4d 30 67 A5
Allow To Read DM Reverse Color Code	C_CMD_DIM1	5A 00 00 0a 43 5f 43 4d 44 5f 44 49 4d 31 72 A5
Disable To Read DM Reverse Color Code	C_CMD_DIM0	5A 00 00 0a 43 5f 43 4d 44 5f 44 49 4d 30 73 A5
Allow To Read QR Reverse Color Code	C_CMD_QIM1	5A 00 00 0a 43 5f 43 4d 44 5f 51 49 4d 31 67 A5
Disable To Read QR Reverse Color Code	C_CMD_QIM0	5A 00 00 0a 43 5f 43 4d 44 5f 51 49 4d 30 66 A5
Allow To Read Micro PDF417 Reverse Color Code	C_CMD_MIM1	5A 00 00 0a 43 5f 43 4d 44 5f 4d 49 4d 31 7b A5
Disable To Read Micro PDF417 Reverse Color Code	C_CMD_MIM0	5A 00 00 0a 43 5f 43 4d 44 5f 4d 49 4d 30 7a A5
Allow To Read Aztec Reverse Color Code	C_CMD_AIM1	5A 00 00 0a 43 5f 43 4d 44 5f 41 49 4d 31 77 A5
Disable To Read Aztec Reverse Color Code	C_CMD_AIM0	5A 00 00 0a 43 5f 43 4d 44 5f 41 49 4d 30 76 A5
Allow To Read Maxicode Reverse Color Code	C_CMD_MAM1	5A 00 00 0a 43 5f 43 4d 44 5f 4d 41 4d 31 73 A5
Disable To Read Maxicode Reverse Color Code	C_CMD_MAM0	5A 00 00 0a 43 5f 43 4d 44 5f 4d 41 4d 30 72 A5
Allow To Read Chinese-sensible Code Reverse Color Code	C_CMD_HIM1	5A 00 00 0a 43 5f 43 4d 44 5f 48 49 4d 31 7e A5
Disable To Read Chinese-sensible Code Reverse Color Code	C_CMD_HIM0	5A 00 00 0a 43 5f 43 4d 44 5f 48 49 4d 30 7fA5
Allow To Read DotCode Reverse Color Code	C_CMD_TIM1	5A 00 00 0a 43 5f 43 4d 44 5f 54 49 4d 31 62 A5
Disable To Read DotCode Reverse Color Code	C_CMD_TIM0	5A 00 00 0a 43 5f 43 4d 44 5f 54 49 4d 30 63 A5
Code128		
Restore Default Settings Of Code 128	C_CMD_28FF	5A 00 00 0a 43 5f 43 4d 44 5f 32 38 46 46 09 A5

Allow To Read Code 128	C_CMD_2801	5A 00 00 0a 43 5f 43 4d 44 5f 32 38 30 31 08 A5
Disable To Read Code 128	C_CMD_2800	5A 00 00 0a 43 5f 43 4d 44 5f 32 38 30 30 09 A5
Set Up Minimum Length Limit 00	C_CMD_280A00	5A 00 00 0c 43 5f 43 4d 44 5f 32 38 30 41 30 30 7e A5
Set Up Minimum Length Limit 04	C_CMD_280A04	5A 00 00 0c 43 5f 43 4d 44 5f 32 38 30 41 30 34 7a A5
Custom Set Up Minimum Length	C_CMD_280A	5A 00 00 0a 43 5f 43 4d 44 5f 32 38 30 41 78 A5
Set Up Maximum Length Limit 32	C_CMD_280B20	5A 00 00 0c 43 5f 43 4d 44 5f 32 38 30 42 32 30 7f A5
Set Up Maximum Length Limit 255	C_CMD_280BFF	5A 00 00 0c 43 5f 43 4d 44 5f 32 38 30 42 46 46 7d A5
Custom Set Up Maximum Length	C_CMD_280B	5A 00 00 0a 43 5f 43 4d 44 5f 32 38 30 42 7b A5
EAN8		
Restore Default Setting of EAN8	C_CMD_08FF	5A 00 00 0a 43 5f 43 4d 44 5f 30 38 46 46 0b A5
Allow To Read EAN-8	C_CMD_0801	5A 00 00 0a 43 5f 43 4d 44 5f 30 38 30 31 0a A5
Disable To Read EAN-8	C_CMD_0800	5A 00 00 0a 43 5f 43 4d 44 5f 30 38 30 30 0b A5
Output Verification	C_CMD_0803	5A 00 00 0a 43 5f 43 4d 44 5f 30 38 30 33 08 A5
Do Not Output Verification	C_CMD_0802	5A 00 00 0a 43 5f 43 4d 44 5f 30 38 30 32 09 A5
Read 2-digit Extended Code	C_CMD_0821	5A 00 00 0a 43 5f 43 4d 44 5f 30 38 32 31 08 A5
Do Not Read 2-digit Extended Code	C_CMD_0820	5A 00 00 0a 43 5f 43 4d 44 5f 30 38 32 30 09 A5
Read 5-digit Extended Code	C_CMD_0851	5A 00 00 0a 43 5f 43 4d 44 5f 30 38 35 31 0f A5
Do Not Read 5-digit Extended Code	C_CMD_0850	5A 00 00 0a 43 5f 43 4d 44 5f 30 38 35 30 0e A5
Disable To Transmit EAN8 To EAN13	C_CMD_0830	5A 00 00 0a 43 5f 43 4d 44 5f 30 38 33 30 08 A5
Allow To Transmit EAN8 To EAN13	C_CMD_0831	5A 00 00 0a 43 5f 43 4d 44 5f 30 38 33 31 09 A5
EAN13		
Restore Default Settings of EAN- 13	C_CMD_13FF	5A 00 00 0a 43 5f 43 4d 44 5f 31 33 46 46 01 A5
Allow To Read EAN- 13	C_CMD_1301	5A 00 00 0a 43 5f 43 4d 44 5f 31 33 30 31 00 A5

Disable To Read EAN-13	C_CMD_1300	5A 00 00 0a 43 5f 43 4d 44 5f 31 33 30 30 01 A5
Output Verification	C_CMD_1303	5A 00 00 0a 43 5f 43 4d 44 5f 31 33 30 33 02 A5
Do Not Output Verification	C_CMD_1302	5A 00 00 0a 43 5f 43 4d 44 5f 31 33 30 32 03 A5
Read 2-digit Extended Code	C_CMD_1321	5A 00 00 0a 43 5f 43 4d 44 5f 31 33 32 31 02 A5
Do Not Read 2-digit Extended Code	C_CMD_1320	5A 00 00 0a 43 5f 43 4d 44 5f 31 33 32 30 03 A5
Read 5-digit Extended Code	C_CMD_1351	5A 00 00 0a 43 5f 43 4d 44 5f 31 33 35 31 05 A5
Do Not Read 5-digit Extended Code	C_CMD_1350	5A 00 00 0a 43 5f 43 4d 44 5f 31 33 35 30 04 A5
Disable To Transmit EAN13 To ISBN	C_CMD_BN00	5A 00 00 0a 43 5f 43 4d 44 5f 42 4e 30 30 0f A5
Allow To Transmit EAN13 To ISBN	C_CMD_BN01	5A 00 00 0a 43 5f 43 4d 44 5f 42 4e 30 31 0e A5
Disable To Transmit EAN13 To ISSN	C_CMD_SN00	5A 00 00 0a 43 5f 43 4d 44 5f 53 4e 30 30 1e A5
Allow To Transmit EAN13 To ISSN	C_CMD_SN01	5A 00 00 0a 43 5f 43 4d 44 5f 53 4e 30 31 1f A5
UPCE0		
Restore Default Settings of UPCE0	C_CMD_E0FF	5A 00 00 0a 43 5f 43 4d 44 5f 45 30 46 46 76 A5
Allow To Read UPCE0	C_CMD_E001	5A 00 00 0a 43 5f 43 4d 44 5f 45 30 30 31 77 A5
Disable To Read UPCE0	C_CMD_E000	5A 00 00 0a 43 5f 43 4d 44 5f 45 30 30 30 76 A5
Output Verification	C_CMD_E003	5A 00 00 0a 43 5f 43 4d 44 5f 45 30 30 33 75 A5
Do Not Output Verification	C_CMD_E002	5A 00 00 0a 43 5f 43 4d 44 5f 45 30 30 32 74 A5
Output System Characters	C_CMD_E005	5A 00 00 0a 43 5f 43 4d 44 5f 45 30 30 35 73 A5
Do Not Output System Characters	C_CMD_E004	5A 00 00 0a 43 5f 43 4d 44 5f 45 30 30 34 72 A5
Read 2-digit Extended Code	C_CMD_E021	5A 00 00 0a 43 5f 43 4d 44 5f 45 30 32 31 75 A5
Do Not Read 2-digit Extended Code	C_CMD_E020	5A 00 00 0a 43 5f 43 4d 44 5f 45 30 32 30 74 A5
Read 5-digit Extended Code	C_CMD_E051	5A 00 00 0a 43 5f 43 4d 44 5f 45 30 35 31 72 A5

Do Not Read 5-digit Extended Code	C_CMD_E050	5A 00 00 0a 43 5f 43 4d 44 5f 45 30 35 30 73 A5
Extended Code Must Be Included	C_CMD_E0A1	5A 00 00 0a 43 5f 43 4d 44 5f 45 30 41 31 06 A5
That Extended Code Must Be Included Is Not Required	C_CMD_E0A0	5A 00 00 0a 43 5f 43 4d 44 5f 45 30 41 30 07 A5
Disable To Transmit UPCE0 To UPCA	C_CMD_E0T0	5A 00 00 0a 43 5f 43 4d 44 5f 45 30 54 30 12 A5
Allow To Transmit UPCE0 To UPCA	C_CMD_E0T1	5A 00 00 0a 43 5f 43 4d 44 5f 45 30 54 31 13 A5
UPCE1		
Restore Default Setting of UPCE1	C_CMD_E1FF	5A 00 00 0a 43 5f 43 4d 44 5f 45 31 46 46 77 A5
Allow To Read UPCE1	C_CMD_E101	5A 00 00 0a 43 5f 43 4d 44 5f 45 31 30 31 76 A5
Disable To Read UPCE1	C_CMD_E100	5A 00 00 0a 43 5f 43 4d 44 5f 45 31 30 30 77 A5
Read 2-digit Extended Code	C_CMD_E121	5A 00 00 0a 43 5f 43 4d 44 5f 45 31 32 31 74 A5
Do Not Read 2-digit Extended Code	C_CMD_E120	5A 00 00 0a 43 5f 43 4d 44 5f 45 31 32 30 75 A5
Read 5-digit Extended Code	C_CMD_E151	5A 00 00 0a 43 5f 43 4d 44 5f 45 31 35 31 73 A5
Do Not Read 5-digit Extended Code	C_CMD_E150	5A 00 00 0a 43 5f 43 4d 44 5f 45 31 35 30 72 A5
Extended Code Must Be Included	C_CMD_E1A1	5A 00 00 0a 43 5f 43 4d 44 5f 45 31 41 31 07 A5
That Extended Code Must Be Included Is Not Required	C_CMD_E1A0	5A 00 00 0a 43 5f 43 4d 44 5f 45 31 41 30 06 A5
Output Verification	C_CMD_E103	5A 00 00 0a 43 5f 43 4d 44 5f 45 31 30 33 74 A5
Do Not Output Verification	C_CMD_E102	5A 00 00 0a 43 5f 43 4d 44 5f 45 31 30 32 75 A5
Output System Characters	C_CMD_E105	5A 00 00 0a 43 5f 43 4d 44 5f 45 31 30 35 72 A5
Do Not Output System Characters	C_CMD_E104	5A 00 00 0a 43 5f 43 4d 44 5f 45 31 30 34 73 A5
Disable To Transmit UPCE1 To UPCA	C_CMD_E1T0	5A 00 00 0a 43 5f 43 4d 44 5f 45 31 54 30 13 A5
Allow To Transmit UPCE1 To UPCA	C_CMD_E1T1	5A 00 00 0a 43 5f 43 4d 44 5f 45 31 54 31 12 A5

UPCA		
Restore Default Settings of UPCA	C_CMD_CAFF	5A 00 00 0a 43 5f 43 4d 44 5f 43 41 46 46 01 A5
Allow To Read UPCA	C_CMD_CA01	5A 00 00 0a 43 5f 43 4d 44 5f 43 41 30 31 00 A5
Disable To Read UPCA	C_CMD_CA00	5A 00 00 0a 43 5f 43 4d 44 5f 43 41 30 30 01 A5
Disable To Transmit UPCA To EAN13	C_CMD_CAE0	5A 00 00 0a 43 5f 43 4d 44 5f 43 41 45 30 74 A5
Allow To Transmit UPCA To EAN13	C_CMD_CAE1	5A 00 00 0a 43 5f 43 4d 44 5f 43 41 45 31 75 A5
Read 2-digit Extended Code	C_CMD_CA21	5A 00 00 0a 43 5f 43 4d 44 5f 43 41 32 31 02 A5
Do Not Read 2-digit Extended Code	C_CMD_CA20	5A 00 00 0a 43 5f 43 4d 44 5f 43 41 32 30 03 A5
Read 5-digit Extended Code	C_CMD_CA51	5A 00 00 0a 43 5f 43 4d 44 5f 43 41 35 31 05 A5
Do Not Read 5-digit Extended Code	C_CMD_CA50	5A 00 00 0a 43 5f 43 4d 44 5f 43 41 35 30 04 A5
Extended Code Must Be Included	C_CMD_CAA1	5A 00 00 0a 43 5f 43 4d 44 5f 43 41 41 31 71 A5
That Extended Code Must Be Included Is Not Required	C_CMD_CAA0	5A 00 00 0a 43 5f 43 4d 44 5f 43 41 41 30 70 A5
Output Verification	C_CMD_CA03	5A 00 00 0a 43 5f 43 4d 44 5f 43 41 30 33 02 A5
Do Not Output Verification	C_CMD_CA02	5A 00 00 0a 43 5f 43 4d 44 5f 43 41 30 32 03 A5
Output System Characters	C_CMD_CA05	5A 00 00 0a 43 5f 43 4d 44 5f 43 41 30 35 04 A5
Do Not Output System Characters	C_CMD_CA04	5A 00 00 0a 43 5f 43 4d 44 5f 43 41 30 34 05 A5
InterLeaved25		
Restore Default Settings Of InterLeaved25	C_CMD_ITFF	5A 00 00 0a 43 5f 43 4d 44 5f 49 54 46 46 1e A5
Allow To Read	C_CMD_IT01	5A 00 00 0a 43 5f 43 4d 44 5f 49 54 30 31 1f A5
InterLeaved25		
Disable To Read InterLeaved25	C_CMD_IT00	5A 00 00 0a 43 5f 43 4d 44 5f 49 54 30 30 1e A5
Set Up Minimum Length Limit 00	C_CMD_IT0A00	5A 00 00 0c 43 5f 43 4d 44 5f 49 54 30 41 30 30 69 A5
Set Up Minimum Length Limit 04	C_CMD_IT0A04	5A 00 00 0c 43 5f 43 4d 44 5f 49 54 30 41 30 34 6d A5

Custom Set Up Minimum Length	C_CMD_IT0A	5A 00 00 0a 43 5f 43 4d 44 5f 49 54 30 41 6fA5
Set Up Maximum Length Limit 32	C_CMD_IT0B20	5A 00 00 0c 43 5f 43 4d 44 5f 49 54 30 42 32 30 68 A5
Set Up Maximum Length Limit 255	C_CMD_IT0BFF	5A 00 00 0c 43 5f 43 4d 44 5f 49 54 30 42 46 46 6a A5
Custom Set Up Maximum Length	C_CMD_IT0B	5A 00 00 0a 43 5f 43 4d 44 5f 49 54 30 42 6c A5
No Verification	C_CMD_IT02	5A 00 00 0a 43 5f 43 4d 44 5f 49 54 30 32 1c A5
USS Verification But Not Output Verification	C_CMD_IT04	5A 00 00 0a 43 5f 43 4d 44 5f 49 54 30 34 1a A5
USS Verification And Output Verification	C_CMD_IT03	5A 00 00 0a 43 5f 43 4d 44 5f 49 54 30 33 1d A5
OPCC Verification But Not Output Verification	C_CMD_IT06	5A 00 00 0a 43 5f 43 4d 44 5f 49 54 30 36 18 A5
OPCC Verification And Output Verification	C_CMD_IT05	5A 00 00 0a 43 5f 43 4d 44 5f 49 54 30 35 1b A5
Matrix25		
Restore Default Settings Of Matrix 25	C_CMD_MAFF	5A 00 00 0a 43 5f 43 4d 44 5f 4d 41 46 46 0fA5
Allow To Read Matrix 25	C_CMD_MA01	5A 00 00 0a 43 5f 43 4d 44 5f 4d 41 30 31 0e A5
Disable To Read Matrix 25	C_CMD_MA00	5A 00 00 0a 43 5f 43 4d 44 5f 4d 41 30 30 0fA5
Set Up Minimum Length Limit 00	C_CMD_MA0A00	5A 00 00 0c 43 5f 43 4d 44 5f 4d 41 30 41 30 30 78 A5
Set Up Minimum Length Limit 04	C_CMD_MA0A04	5A 00 00 0c 43 5f 43 4d 44 5f 4d 41 30 41 30 34 7c A5
Custom Set Up Minimum Length	C_CMD_MA0A	5A 00 00 0a 43 5f 43 4d 44 5f 4d 41 30 41 7e A5
Set Up Maximum Length Limit 32	C_CMD_MA0B20	5A 00 00 0c 43 5f 43 4d 44 5f 4d 41 30 42 32 30 79 A5
Set Up Maximum Length Limit 255	C_CMD_MA0BFF	5A 00 00 0c 43 5f 43 4d 44 5f 4d 41 30 42 46 46 7b A5
Custom Set Up Maximum Length	C_CMD_MA0B	5A 00 00 0a 43 5f 43 4d 44 5f 4d 41 30 42 7d A5
No Verification	C_CMD_MA02	5A 00 00 0a 43 5f 43 4d 44 5f 4d 41 30 32 0d A5
Verification But Not Output Verification	C_CMD_MA04	5A 00 00 0a 43 5f 43 4d 44 5f 4d 41 30 34 0b A5

Verification And Output Verification	C_CMD_MA03	5A 00 00 0a 43 5f 43 4d 44 5f 4d 41 30 33 0c A5
Industrial25		
Restore Default Settings Of Industrial 25	C_CMD_INFF	5A 00 00 0a 43 5f 43 4d 44 5f 49 4e 46 46 04 A5
Allow To Read Industrial 25	C_CMD_IN01	5A 00 00 0a 43 5f 43 4d 44 5f 49 4e 30 31 05 A5
Disable To Read Industrial 25	C_CMD_IN00	5A 00 00 0a 43 5f 43 4d 44 5f 49 4e 30 30 04 A5
Set Up Minimum Length Limit 00	C_CMD_IN0A00	5A 00 00 0c 43 5f 43 4d 44 5f 49 4e 30 41 30 30 73 A5
Set Up Minimum Length Limit 04	C_CMD_IN0A04	5A 00 00 0c 43 5f 43 4d 44 5f 49 4e 30 41 30 34 77 A5
Custom Set Up Minimum Length	C_CMD_IN0A	5A 00 00 0a 43 5f 43 4d 44 5f 49 4e 30 41 75 A5
Set Up Maximum Length Limit 32	C_CMD_IN0B20	5A 00 00 0c 43 5f 43 4d 44 5f 49 4e 30 42 32 30 72 A5
Set Up Maximum Length Limit 255	C_CMD_IN0BFF	5A 00 00 0c 43 5f 43 4d 44 5f 49 4e 30 42 46 46 70 A5
Custom Set Up Maximum Length	C_CMD_IN0B	5A 00 00 0a 43 5f 43 4d 44 5f 49 4e 30 42 76 A5
No Verification	C_CMD_IN02	5A 00 00 0a 43 5f 43 4d 44 5f 49 4e 30 32 06 A5
Verification But Not Output Verification	C_CMD_IN03	5A 00 00 0a 43 5f 43 4d 44 5f 49 4e 30 33 07 A5
Verification And Output Verification	C_CMD_IN04	5A 00 00 0a 43 5f 43 4d 44 5f 49 4e 30 34 00 A5
IATA25		
Restore Default Settings Of IATA 25	C_CMD_IAFF	5A 00 00 0a 43 5f 43 4d 44 5f 49 41 46 46 0b A5
Allow To Read IATA 25	C_CMD_IA01	5A 00 00 0a 43 5f 43 4d 44 5f 49 41 30 31 0a A5
Disable To Read IATA 25	C_CMD_IA00	5A 00 00 0a 43 5f 43 4d 44 5f 49 41 30 30 0b A5
Set Up Minimum Length Limit 00	C_CMD_IA0A00	5A 00 00 0c 43 5f 43 4d 44 5f 49 41 30 41 30 30 7c A5
Set Up Minimum Length Limit 04	C_CMD_IA0A04	5A 00 00 0c 43 5f 43 4d 44 5f 49 41 30 41 30 34 78 A5
Custom Set Up Minimum Length	C_CMD_IA0A	5A 00 00 0a 43 5f 43 4d 44 5f 49 41 30 41 7a A5
Set Up Maximum Length Limit 32	C_CMD_IA0B20	5A 00 00 0c 43 5f 43 4d 44 5f 49 41 30 42 32 30 7d A5

Set Up Maximum Length Limit 255	C_CMD_IA0BFF	5A 00 00 0c 43 5f 43 4d 44 5f 49 41 30 42 46 46 7f A5
Custom Set Up Maximum Length	C_CMD_IA0B	5A 00 00 0a 43 5f 43 4d 44 5f 49 41 30 42 79 A5
No Verification	C_CMD_IA02	5A 00 00 0a 43 5f 43 4d 44 5f 49 41 30 32 09 A5
Verification But Not Output Verification	C_CMD_IA04	5A 00 00 0a 43 5f 43 4d 44 5f 49 41 30 34 0fA5
Verification And Output Verification	C_CMD_IA03	5A 00 00 0a 43 5f 43 4d 44 5f 49 41 30 33 08 A5
CODE39		
Restore Default Settings Of Code 39	C_CMD_39FF	5A 00 00 0a 43 5f 43 4d 44 5f 33 39 46 46 09 A5
Allow To Read Code 39	C_CMD_3901	5A 00 00 0a 43 5f 43 4d 44 5f 33 39 30 31 08 A5
Disable To Read Code 39	C_CMD_3900	5A 00 00 0a 43 5f 43 4d 44 5f 33 39 30 30 09 A5
Output Start And Terminator	C_CMD_3907	5A 00 00 0a 43 5f 43 4d 44 5f 33 39 30 37 0e A5
Do Not Output Start And Terminator	C_CMD_3906	5A 00 00 0a 43 5f 43 4d 44 5f 33 39 30 36 0fA5
Set Up Minimum Length Limit 00	C_CMD_390A00	5A 00 00 0c 43 5f 43 4d 44 5f 33 39 30 41 30 30 7e A5
Set Up Minimum Length Limit 04	C_CMD_390A04	5A 00 00 0c 43 5f 43 4d 44 5f 33 39 30 41 30 34 7a A5
Custom Set Up Minimum Length	C_CMD_390A	5A 00 00 0a 43 5f 43 4d 44 5f 33 39 30 41 78 A5
Set Up Maximum Length Limit 32	C_CMD_390B20	5A 00 00 0c 43 5f 43 4d 44 5f 33 39 30 42 32 30 7f A5
Set Up Maximum Length Limit 255	C_CMD_390BFF	5A 00 00 0c 43 5f 43 4d 44 5f 33 39 30 42 46 46 7d A5
Custom Set Up Maximum Length	C_CMD_390B	5A 00 00 0a 43 5f 43 4d 44 5f 33 39 30 42 7b A5
No Verification	C_CMD_3902	5A 00 00 0a 43 5f 43 4d 44 5f 33 39 30 32 0b A5
Verification But Not Output Verification	C_CMD_3904	5A 00 00 0a 43 5f 43 4d 44 5f 33 39 30 34 0d A5
Verification And Output Verification	C_CMD_3903	5A 00 00 0a 43 5f 43 4d 44 5f 33 39 30 33 0a A5
Disable Code32	C_CMD_39M0	5A 00 00 0a 43 5f 43 4d 44 5f 33 39 4d 30 74 A5
Enable Code32	C_CMD_39M1	5A 00 00 0a 43 5f 43 4d 44 5f 33 39 4d 31 75 A5
Enable To Output Code32 Prefix	C_CMD_32A1	5A 00 00 0a 43 5f 43 4d 44 5f 33 32 41 31 72 A5

Disable To Output Code32 Prefix	C_CMD_32A0	5A 00 00 0a 43 5f 43 4d 44 5f 33 32 41 30 73 A5
Enable Code32 To Output Verification	C_CMD_32P1	5A 00 00 0a 43 5f 43 4d 44 5f 33 32 50 31 63 A5
Disable Code32 To Output Verification	C_CMD_32P0	5A 00 00 0a 43 5f 43 4d 44 5f 33 32 50 30 62 A5
Disable FullAscii	C_CMD_39M2	5A 00 00 0a 43 5f 43 4d 44 5f 33 39 4d 32 76 A5
Enable FullAscii	C_CMD_39M3	5A 00 00 0a 43 5f 43 4d 44 5f 33 39 4d 33 77 A5
CODE93		
Restore Default Settings Of Code 93	C_CMD_93FF	5A 00 00 0a 43 5f 43 4d 44 5f 39 33 46 46 09 A5
Allow To Read Code 93	C_CMD_9301	5A 00 00 0a 43 5f 43 4d 44 5f 39 33 30 31 08 A5
Disable To Read Code 93	C_CMD_9300	5A 00 00 0a 43 5f 43 4d 44 5f 39 33 30 30 09 A5
Set Up Minimum Length Limit 00	C_CMD_930A00	5A 00 00 0c 43 5f 43 4d 44 5f 39 33 30 41 30 30 7e A5
Set Up Minimum Length Limit 04	C_CMD_930A04	5A 00 00 0c 43 5f 43 4d 44 5f 39 33 30 41 30 34 7a A5
Custom Set Up Minimum Length	C_CMD_930A	5A 00 00 0a 43 5f 43 4d 44 5f 39 33 30 41 78 A5
Set Up Maximum Length Limit 32	C_CMD_930B20	5A 00 00 0c 43 5f 43 4d 44 5f 39 33 30 42 32 30 7f A5
Set Up Maximum Length Limit 255	C_CMD_930BFF	5A 00 00 0c 43 5f 43 4d 44 5f 39 33 30 42 46 46 7d A5
Custom Set Up Maximum Length	C_CMD_930B	5A 00 00 0a 43 5f 43 4d 44 5f 39 33 30 42 7b A5
CodaBar		
Restore Default Settings Of Codabar	C_CMD_BAFF	5A 00 00 0a 43 5f 43 4d 44 5f 42 41 46 46 00 A5
Allow To Read Codabar	C_CMD_BA01	5A 00 00 0a 43 5f 43 4d 44 5f 42 41 30 31 01 A5
Disable To Read Codabar	C_CMD_BA00	5A 00 00 0a 43 5f 43 4d 44 5f 42 41 30 30 00 A5
Set Up Minimum Length Limit 00	C_CMD_BA0A00	5A 00 00 0c 43 5f 43 4d 44 5f 42 41 30 41 30 30 77 A5
Set Up Minimum Length Limit 04	C_CMD_BA0A04	5A 00 00 0c 43 5f 43 4d 44 5f 42 41 30 41 30 34 73 A5
Custom Set Up Minimum Length	C_CMD_BA0A	5A 00 00 0a 43 5f 43 4d 44 5f 42 41 30 41 71 A5
Set Up Maximum Length Limit 32	C_CMD_BA0B20	5A 00 00 0c 43 5f 43 4d 44 5f 42 41 30 42 32 30 76 A5

Set Up Maximum Length Limit 255	C_CMD_BA0BFF	5A 00 00 0c 43 5f 43 4d 44 5f 42 41 30 42 46 46 74 A5
Custom Set Up Maximum Length	C_CMD_BA0B	5A 00 00 0a 43 5f 43 4d 44 5f 42 41 30 42 72 A5
No Verification	C_CMD_BA02	5A 00 00 0a 43 5f 43 4d 44 5f 42 41 30 32 02 A5
Mode 10 Verification But Not Output Verification	C_CMD_BA04	5A 00 00 0a 43 5f 43 4d 44 5f 42 41 30 34 04 A5
Mode 10 Verification And Output Verification	C_CMD_BA03	5A 00 00 0a 43 5f 43 4d 44 5f 42 41 30 33 03 A5
Mode 16 Verification But Not Output Verification	C_CMD_BA06	5A 00 00 0a 43 5f 43 4d 44 5f 42 41 30 36 06 A5
Mode 16 Verification And Output Verification	C_CMD_BA05	5A 00 00 0a 43 5f 43 4d 44 5f 42 41 30 35 05 A5
Do Not Output Start And Terminator	C_CMD_BAS0	5A 00 00 0a 43 5f 43 4d 44 5f 42 41 53 30 63 A5
Output The Start ABCD/Terminator ABCD	C_CMD_BAS2	5A 00 00 0a 43 5f 43 4d 44 5f 42 41 53 32 61 A5
Output The Start ABCD/Terminator TN*E	C_CMD_BAS3	5A 00 00 0a 43 5f 43 4d 44 5f 42 41 53 33 60 A5
Output The Start abcd/Terminator abcd	C_CMD_BAS4	5A 00 00 0a 43 5f 43 4d 44 5f 42 41 53 34 67 A5
Output The Start abcd/Terminator tn *e	C_CMD_BAS5	5A 00 00 0a 43 5f 43 4d 44 5f 42 41 53 35 66 A5
CODE11		
Restore Default Settings Of Code 11	C_CMD_11FF	5A 00 00 0a 43 5f 43 4d 44 5f 31 31 46 46 03 A5
Allow To Read Code 11	C_CMD_1101	5A 00 00 0a 43 5f 43 4d 44 5f 31 31 30 31 02 A5
Disable To Read Code11	C_CMD_1100	5A 00 00 0a 43 5f 43 4d 44 5f 31 31 30 30 03 A5
Set Up Minimum Length Limit 00	C_CMD_110A00	5A 00 00 0c 43 5f 43 4d 44 5f 31 31 30 41 30 30 74 A5
Set Up Minimum Length Limit 04	C_CMD_110A04	5A 00 00 0c 43 5f 43 4d 44 5f 31 31 30 41 30 34 70 A5

Custom Set Up Minimum Length	C_CMD_110A	5A 00 00 0a 43 5f 43 4d 44 5f 31 31 30 41 72 A5
Set Up Maximum Length Limit 32	C_CMD_110B20	5A 00 00 0c 43 5f 43 4d 44 5f 31 31 30 42 32 30 75 A5
Set Up Maximum Length Limit 255	C_CMD_110BFF	5A 00 00 0c 43 5f 43 4d 44 5f 31 31 30 42 46 46 77 A5
Custom Set Up Maximum Length	C_CMD_110B	5A 00 00 0a 43 5f 43 4d 44 5f 31 31 30 42 71 A5
No Verification	C_CMD_11P0	5A 00 00 0a 43 5f 43 4d 44 5f 31 31 50 30 63 A5
1 bit check if the data does not exceed 10 bits, 2 bits check if the data exceeds 10 bits, and transmit check bits	C_CMD_11P1	5A 00 00 0a 43 5f 43 4d 44 5f 31 31 50 31 62 A5
1 bit check if the data does not exceed 10 bits, 2 bits check if the data exceeds 10 bits, and do not transmit check bits	C_CMD_11P2	5A 00 00 0a 43 5f 43 4d 44 5f 31 31 50 32 61 A5
Fixed 1-bit check, transmit check bit	C_CMD_11P3	5A 00 00 0a 43 5f 43 4d 44 5f 31 31 50 33 60 A5
Fixed 1-bit check, do not transmit check bit	C_CMD_11P4	5A 00 00 0a 43 5f 43 4d 44 5f 31 31 50 34 67 A5
Fixed 2-bit check, transmit check bit	C_CMD_11P5	5A 00 00 0a 43 5f 43 4d 44 5f 31 31 50 35 66 A5
Fixed 2-bit check, do not transmit check bit	C_CMD_11P6	5A 00 00 0a 43 5f 43 4d 44 5f 31 31 50 36 65 A5
MSI		
Restore Default Settings Of MSI Plessey	C_CMD_MSFF	5A 00 00 0a 43 5f 43 4d 44 5f 4d 53 46 46 1d A5
Allow To Read MSI Plessey	C_CMD_MS01	5A 00 00 0a 43 5f 43 4d 44 5f 4d 53 30 31 1c A5
Disable To Read MSI Plessey	C_CMD_MS00	5A 00 00 0a 43 5f 43 4d 44 5f 4d 53 30 30 1d A5
Set Up Minimum Length Limit 00	C_CMD_MS0A00	5A 00 00 0c 43 5f 43 4d 44 5f 4d 53 30 41 30 30 6a A5
Set Up Minimum Length Limit 04	C_CMD_MS0A04	5A 00 00 0c 43 5f 43 4d 44 5f 4d 53 30 41 30 34 6e A5
Custom Set Up Minimum Length	C_CMD_MS0A	5A 00 00 0a 43 5f 43 4d 44 5f 4d 53 30 41 6c A5

Set Up Maximum Length Limit 32	C_CMD_MS0B20	5A 00 00 0c 43 5f 43 4d 44 5f 4d 53 30 42 32 30 6b A5
Set Up Maximum Length Limit 255	C_CMD_MS0BFF	5A 00 00 0c 43 5f 43 4d 44 5f 4d 53 30 42 46 46 69 A5
Custom Set Up Maximum Length	C_CMD_MS0B	5A 00 00 0a 43 5f 43 4d 44 5f 4d 53 30 42 6f A5
No Verification	C_CMD_MSP0	5A 00 00 0a 43 5f 43 4d 44 5f 4d 53 50 30 7d A5
Mode 10 check, transmit check bit	C_CMD_MSP1	5A 00 00 0a 43 5f 43 4d 44 5f 4d 53 50 31 7c A5
Mode 10 check, do not transmit check bit	C_CMD_MSP2	5A 00 00 0a 43 5f 43 4d 44 5f 4d 53 50 32 7f A5
Mode 11 check, transmit check bit	C_CMD_MSP3	5A 00 00 0a 43 5f 43 4d 44 5f 4d 53 50 33 7e A5
Mode 11 check, do not transmit check bit	C_CMD_MSP4	5A 00 00 0a 43 5f 43 4d 44 5f 4d 53 50 34 79 A5
Mode 10、10 check, transmit check bit	C_CMD_MSP5	5A 00 00 0a 43 5f 43 4d 44 5f 4d 53 50 35 78 A5
Mode 10、10 check, do not transmit check bit	C_CMD_MSP6	5A 00 00 0a 43 5f 43 4d 44 5f 4d 53 50 36 7b A5
Mode 11、10 check, transmit check bit	C_CMD_MSP7	5A 00 00 0a 43 5f 43 4d 44 5f 4d 53 50 37 7a A5
Mode 11、10 check, do not transmit check bit	C_CMD_MSP8	5A 00 00 0a 43 5f 43 4d 44 5f 4d 53 50 38 75 A5
GS1 DataBar		
Allow To Read GS1 DataBar	C_CMD_GS41	5A 00 00 0a 43 5f 43 4d 44 5f 47 53 34 31 12 A5
Disable To Read GS1 DataBar	C_CMD_GS40	5A 00 00 0a 43 5f 43 4d 44 5f 47 53 34 30 13 A5
GS1 DataBar Limited		
Allow To Read GS1 DataBar Limited	C_CMD_GSL1	5A 00 00 0a 43 5f 43 4d 44 5f 47 53 4c 31 6a A5
Disable To Read GS1 DataBar Limited	C_CMD_GSL0	5A 00 00 0a 43 5f 43 4d 44 5f 47 53 4c 30 6b A5
GS1 DataBar Expanded		
Allow To Read GS1 DataBar Expanded	C_CMD_GSE1	5A 00 00 0a 43 5f 43 4d 44 5f 47 53 45 31 63 A5

Disable To Read GS1 DataBar Expanded	C_CMD_GSE0	5A 00 00 0a 43 5f 43 4d 44 5f 47 53 45 30 62 A5
Plessey		
Restore Default Settings Of Plessey	C_CMD_PEFF	5A 00 00 0a 43 5f 43 4d 44 5f 50 45 46 46 16 A5
Allow To Read Plessey	C_CMD_PE01	5A 00 00 0a 43 5f 43 4d 44 5f 50 45 30 31 17 A5
Disable To Read	C_CMD_PE00	5A 00 00 0a 43 5f 43 4d 44 5f 50 45 30 30 16 A5
Plessey		
Set Up Minimum Length Limit 00	C_CMD_PE0A00	5A 00 00 0c 43 5f 43 4d 44 5f 50 45 30 41 30 30 61 A5
Set Up Minimum Length Limit 04	C_CMD_PE0A04	5A 00 00 0c 43 5f 43 4d 44 5f 50 45 30 41 30 34 65 A5
Custom Set Up Minimum Length	C_CMD_PE0A	5A 00 00 0a 43 5f 43 4d 44 5f 50 45 30 41 67 A5
Set Up Maximum Length Limit 32	C_CMD_PE0B20	5A 00 00 0c 43 5f 43 4d 44 5f 50 45 30 42 32 30 60 A5
Set Up Maximum Length Limit 255	C_CMD_PE0BFF	5A 00 00 0c 43 5f 43 4d 44 5f 50 45 30 42 46 46 62 A5
Custom Set Up Maximum Length	C_CMD_PE0B	5A 00 00 0a 43 5f 43 4d 44 5f 50 45 30 42 64 A5
Output Verification	C_CMD_PEP1	5A 00 00 0a 43 5f 43 4d 44 5f 50 45 50 31 77 A5
Do Not Output Verification	C_CMD_PEP0	5A 00 00 0a 43 5f 43 4d 44 5f 50 45 50 30 76 A5
Febraban		
Allow To Read Type ITF25 Febraban	C_CMD_FEI1	5A 00 00 0a 43 5f 43 4d 44 5f 46 45 49 31 78 A5
Disable To Read Type ITF25 Febraban	C_CMD_FEI0	5A 00 00 0a 43 5f 43 4d 44 5f 46 45 49 30 79 A5
Allow To Read Type Code128 Febraban	C_CMD_FE81	5A 00 00 0a 43 5f 43 4d 44 5f 46 45 38 31 09 A5
Disable To Read Type Code128 Febraban	C_CMD_FE80	5A 00 00 0a 43 5f 43 4d 44 5f 46 45 38 30 08 A5
Turn On Febraban Verification	C_CMD_FEC1	5A 00 00 0a 43 5f 43 4d 44 5f 46 45 43 31 72 A5
Turn Off Febraban Verification	C_CMD_FEC0	5A 00 00 0a 43 5f 43 4d 44 5f 46 45 43 30 73 A5
Composite		
Allow To Read Composite	C_CMD_CPO1	5A 00 00 0a 43 5f 43 4d 44 5f 43 50 4f 31 6e A5
Disable To Read Composite	C_CMD_CPO0	5A 00 00 0a 43 5f 43 4d 44 5f 43 50 4f 30 6f A5
PDF417		

Allow To Read PDF 417	C_CMD_PDF1	5A 00 00 0a 43 5f 43 4d 44 5f 50 44 46 31 60 A5
Disable To Read PDF 417	C_CMD_PDF0	5A 00 00 0a 43 5f 43 4d 44 5f 50 44 46 30 61 A5
Micro QR		
Allow To Read Micro QR	C_CMD_MQ01	5A 00 00 0a 43 5f 43 4d 44 5f 4d 51 30 31 1e A5
Disable To Read Micro	C_CMD_MQ00	5A 00 00 0a 43 5f 43 4d 44 5f 4d 51 30 30 1f A5
QR		
QR		
Allow To Read QR	C_CMD_QR01	5A 00 00 0a 43 5f 43 4d 44 5f 51 52 30 31 01 A5
Disable To Read QR	C_CMD_QR00	5A 00 00 0a 43 5f 43 4d 44 5f 51 52 30 30 00 A5
DM		
Allow To Read Data Matrix	C_CMD_DM01	5A 00 00 0a 43 5f 43 4d 44 5f 44 4d 30 31 0b A5
Disable To Read Data Matrix	C_CMD_DM00	5A 00 00 0a 43 5f 43 4d 44 5f 44 4d 30 30 0a A5
Micro PDF417		
Allow To Read Micro PDF417	C_CMD_MIP1	5A 00 00 0a 43 5f 43 4d 44 5f 4d 49 50 31 66 A5
Disable To Read Micro PDF417	C_CMD_MIP0	5A 00 00 0a 43 5f 43 4d 44 5f 4d 49 50 30 67 A5
Aztec		
Allow To Read Aztec	C_CMD_AZ01	5A 00 00 0a 43 5f 43 4d 44 5f 41 5a 30 31 19 A5
Disable To Read Aztec	C_CMD_AZ00	5A 00 00 0a 43 5f 43 4d 44 5f 41 5a 30 30 18 A5
Maxicode		
Allow To Read Maxicode	C_CMD_MAX1	5A 00 00 0a 43 5f 43 4d 44 5f 4d 41 58 31 66 A5
Disable To Read Maxicode	C_CMD_MAX0	5A 00 00 0a 43 5f 43 4d 44 5f 4d 41 58 30 67 A5
Chinese-sensible Code		
Allow To Read Chinese-sensible Code	C_CMD_HAN1	5A 00 00 0a 43 5f 43 4d 44 5f 48 41 4e 31 75 A5
Disable To Read Chinese-sensible Code	C_CMD_HAN0	5A 00 00 0a 43 5f 43 4d 44 5f 48 41 4e 30 74 A5
DotCode		
Allow To Read DotCode	C_CMD_DOT1	5A 00 00 0a 43 5f 43 4d 44 5f 44 4f 54 31 6d A5
Disable To Read DotCode	C_CMD_DOT0	5A 00 00 0a 43 5f 43 4d 44 5f 44 4f 54 30 6c A5

3.8 Data Code

Function	ASCII command workable for USB/TTL/RS232	HEX command only workable for RS232 and TTL (must be in hex)
0	S_CMD_D000	5A 00 00 0a 53 5f 43 4d 44 5f 44 30 30 30 67 A5
1	S_CMD_D001	5A 00 00 0a 53 5f 43 4d 44 5f 44 30 30 31 66 A5
2	S_CMD_D002	5A 00 00 0a 53 5f 43 4d 44 5f 44 30 30 32 65 A5
3	S_CMD_D003	5A 00 00 0a 53 5f 43 4d 44 5f 44 30 30 33 64 A5
4	S_CMD_D004	5A 00 00 0a 53 5f 43 4d 44 5f 44 30 30 34 63 A5
5	S_CMD_D005	5A 00 00 0a 53 5f 43 4d 44 5f 44 30 30 35 62 A5
6	S_CMD_D006	5A 00 00 0a 53 5f 43 4d 44 5f 44 30 30 36 61 A5
7	S_CMD_D007	5A 00 00 0a 53 5f 43 4d 44 5f 44 30 30 37 60 A5
8	S_CMD_D008	5A 00 00 0a 53 5f 43 4d 44 5f 44 30 30 38 6f A5
9	S_CMD_D009	5A 00 00 0a 53 5f 43 4d 44 5f 44 30 30 39 6e A5
A	S_CMD_D00A	5A 00 00 0a 53 5f 43 4d 44 5f 44 30 30 41 16 A5
B	S_CMD_D00B	5A 00 00 0a 53 5f 43 4d 44 5f 44 30 30 42 15 A5
C	S_CMD_D00C	5A 00 00 0a 53 5f 43 4d 44 5f 44 30 30 43 14 A5
D	S_CMD_D00D	5A 00 00 0a 53 5f 43 4d 44 5f 44 30 30 44 13 A5
E	S_CMD_D00E	5A 00 00 0a 53 5f 43 4d 44 5f 44 30 30 45 12 A5
F	S_CMD_D00F	5A 00 00 0a 53 5f 43 4d 44 5f 44 30 30 46 11 A5
Save	S_CMD_DFFF	5A 00 00 0a 53 5f 43 4d 44 5f 44 46 46 46 11 A5
Cancel One Bit data Of Previous Reading	S_CMD_DF01	5A 00 00 0a 53 5f 43 4d 44 5f 44 46 30 31 10 A5
Cancel The Data String Of Previous Reading	S_CMD_DF0F	5A 00 00 0a 53 5f 43 4d 44 5f 44 46 30 46 67 A5
Cancel The Current Setting	S_CMD_DF00	5A 00 00 0a 53 5f 43 4d 44 5f 44 46 30 30 11 A5

4. Tips:

Generally, for self-service terminal embedded use, you would consider using the scanner via command trigger mode, by which the user clicks a “button” in the touch screen and active a decode session. Below is a quick tips for command trigger:

Command Trigger

For the USB virtual serial/USB-CDC, TTL-232 or RS232 interface, we can send a command to active a decode session.

1. Firstly, if the scanner comes with USB interface, scan the **USB-CDC** setting code(from user manual) to switch the scanner to USB virtual serial mode, then connect the scanner to your software.

(If TTL-232 or RS232, connect with your software directly)

2. Enable **Command Mode**: send the command **S_CMD_020D** (or in HEX: **53 5F 43 4D 44 5F 30 32 30 44**)

3. Active a decode session: send the command **Read Barcode On SR030301** (or in HEX: **53 52 30 33 30 33 30 31**). Each time the Read Barcode On command is sent, the scanner will be triggered once.

For Any Technical Support, please contact us at:

support@rtscan.net