

1D IMAGER MODELS - S700, S800 REV P AND ABOVE



This document pertains to the following S700 and S800 Rev P and above:

The part number (P/N) is labeled inside the battery compartment for the SocketScan®.



Model		P/N
S700	Blue	8550-00152
S700	Green	8550-00153
S700	Red	8550-00154
S700	White	8550-00155
S700	Yellow	8550-00156

Model		P/N
S800	Black	8550-00069 Rev P and above.

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INSTRUCTIONS: Scan command barcode(s) to quickly configure the barcode scanner.



Make sure the scanner is not connected to a host computer or device before scanning a command barcode!



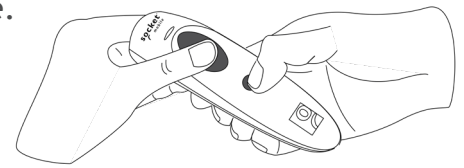
To use the scanner on multiple hosts, perform the unpair sequence.

1. Power on the scanner.
2. Press and hold down the trigger button.
3. Press and hold down the power button.
4. After you hear 3 beeps, release both buttons.

*NOTE: You may have to “Forget” or “Delete” the pairing on your host device, as well.



By default, the scanner is in Basic Mode (HID) as a Keyboard device.

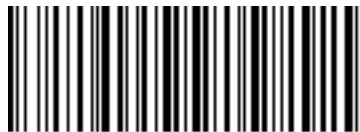


For scanners in Application Mode (SPP) or Application Mode (MFi-SPP), you can alternatively configure some settings by using the Scanner Settings app. You can download the app from [iTunes](#), and [Google Play](#).

FACTORY DEFAULTS

Factory Reset

Configures the CHS to revert all settings to factory defaults. The CHS powers off after scanning this barcode.



#FNBOOF0#

BLUETOOTH CONNECTION MODE

Download Companion App or scan one of the configuration command barcode(s). Refer to User Guide for the full set of command barcodes: socketmobile.com/downloads

Note: Disconnect scanner from host device before scanning a command barcode.

Basic Mode (HID) (default)



(All host devices)

Configures scanner to Basic Mode. Scanner will be discoverable as a keyboard to Bluetooth host devices.



#FNB00F40001#

Application Mode (MFi-SPP) for Apple iOS devices



*Configures scanner to work with an application.



#FNB00F40002#

Application Mode (SPP) for Windows or Android 8.0 and later



(Auto Connect - No configuration required for Application pairing)

*Configures scanner to Serial Port Profile.



#FNB00F40003#

Application Mode (SPP) for Windows or Android 7.0 and lower



(Requires compatible application for Bluetooth pairing)

*Configures the Scanner to Serial Port Profile (SPP).



#FNB00F40000#

*For compatible applications developed with Socket Mobil SDK: socketmobile.com/partners/app

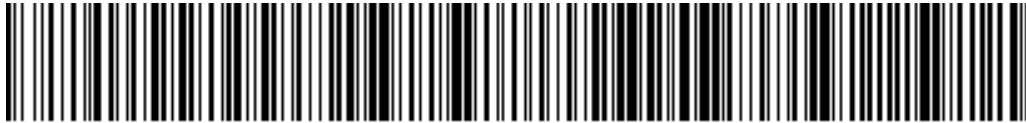
All Bluetooth connection modes OK.

You can configure the scanner to automatically add a suffix and/or prefix to each scan of data.

Note: Scanning multiple commands in a single instance will overwrite (not append) the previous command.

Suffix - Carriage Return (default)

Configures the scanner to add a carriage return after decoded data.



#FNB00F50BC6048FFEE1680DE040000#

Suffix - Tab

Configures the scanner to add a tab after decoded data



#FNB00F50BC60408FFEE016809EB040000#

Suffix - Carriage Return & Line Feed

Configures the scanner to add a carriage return and line feed after decoded data.



#FNB00F509C60408FFEE01EB010000#

Data As Is

Configures the scanner to return only the decoded data (i.e., no prefix or suffix).



#FNB00F509C60408FFEE01EB000000#

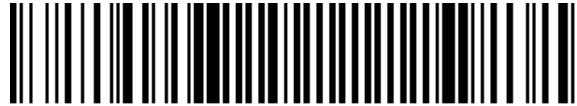
Scan one of the barcodes below and reconfigure the scanner to remain on longer.

Note: Turn off the host device's Bluetooth prior to scanning one of the alternate timer barcodes. Then turn the Bluetooth back on.

Power cycle the scanner (turn off/on).

Scanner Always On*

Configures the scanner to never power off.



#FNB012100000000#

Continuous Power for 8 hours*

Scan Barcode to configure the scanner to remain on for 8 hours.



#FNB012101E001E0#

Continuous Power for 4 hours*

Scan Barcode to configure the scanner to remain on for 4 hours.



#FNB012100F000F0#

***These settings drain the battery faster. It is assumed you will charge the scanner within a 24-hour period or overnight. If you don't, the scanner's battery will drain completely.**

Return Scanner to Default Setting

Turns the scanner off when it is not in use - 3 to 5 minutes after being disconnected from host device.



#FNB012100780005#

All Bluetooth connection modes OK.

IMPORTANT! Make sure the scanner is not connected to a host computer before scanning a command barcode.

Vibrate “On”

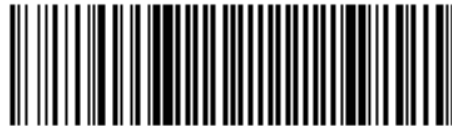
Enables scanner to vibrate to indicate successful scan



#FNB01310001000100FA0000#

Vibrate “Off”

Disables scanner from vibrating to indicate successful scan



#FNB013100010000#

Beep “On”

Enables scanner to beep to indicate successful scan



#FNB01190E000100030078004B#

Beep “Off”

Disables scanner from beeping to indicate successful scans



#FNB01190E000100000078004B#

HID KEYBOARD LANGUAGE SETTINGS

Scan only with scanner in Basic Mode (HID).

Scan barcode to enable language.

English (Default)



#FNB01430001#

French



#FNB01430002#

German



#FNB01430003#

Spanish



#FNB01430004#

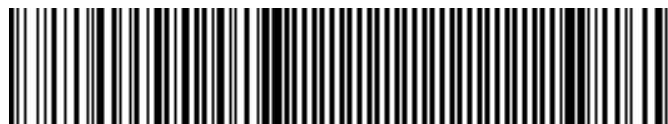
APPLE iOS ONSCREEN KEYBOARD

Scan only with scanner in Basic Mode (HID).

Apple iOS Onscreen Keyboard and Beep Enabled (Default)

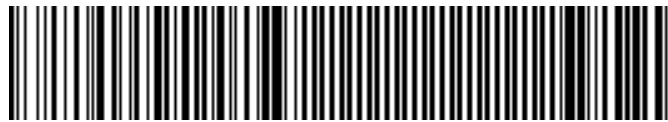
Configures the scanner to activate the iOS onscreen keyboard when connected to an iOS device and the scanner power button is double-pressed.

Disable both Onscreen Keyboard and Beep



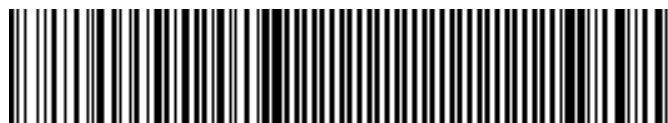
#FNB013A0000000000000000000000000000#

Enable Beep



#FNB013A0500000000000000000000000000#

Disable Beep



#FNB013A0100000000000000000000000000#

BLUETOOTH CONNECTION ROLES

Scan only with scanner in Application Mode (SPP) or Application Mode (MFi-SPP)
Advanced users only.

Acceptor (default)

Configures the scanner to accept a Bluetooth connection puts the scanner in discoverable mode.



#FNA#

Initiator

Configures the scanner to initiate a connection to a computer/device with the Bluetooth Device Address specified in the barcode.

The barcode must be formatted in Code 128 and contain the data #FNIaabbccddeeff# such that aabbccddeeff is the Bluetooth Device Address of the computer/device you want to connect to the scanner. Required for Windows when using SPP mode.

You must create a custom barcode for each computer/device that you want to connect to the scanner.

Use barcode generating software or website (e.g., <http://barcode.tec-it.com>)

DATA MODE - FOR SPP MODE ONLY

All Bluetooth Connection Modes OK.
Advanced users only.

Packet Mode (default)

Configures the scanner to transmit decoded data in packet format.



#FNB013401#

Raw Mode

Configures the scanner to transmit decoded data in raw (unpacked) format. Do not scan this barcode in Application Mode (MFi-SPP).



#FNB013400#

AUTOMATIC RECONNECTION SETTINGS

All Bluetooth Connection Modes OK.

Important! After scanning this command barcode, power off and power on the scanner to make sure it is configured properly.

Enable Automatic Reconnection from scanner (default)

Configures the scanner to automatically initiate a connection to the last paired computer/device after the scanner is powered on.



#FNB012650#

Disable Automatic Reconnection from scanner

Configures the scanner to wait for a computer/device to initiate a Bluetooth connection after the scanner is powered on.



#FNB012610#

POWER BUTTON DOUBLE KEY PRESS

For Basic Mode (HID) only
Scanner Engine Command Barcodes

Ctrl + Z

Scan to Enable WITH BEEP



Scan to Enable NO BEEP



Ctrl + A

Scan to Enable WITH BEEP



Scan to Enable NO BEEP



Shift + Tab

Scan to Enable WITH BEEP



Scan to Enable NO BEEP



Ctrl + S

Scan to Enable WITH BEEP



Scan to Enable NO BEEP



CONTINUOUS SCANNING

***These settings drain the battery faster. Please ensure the scanner is charged daily.**

For busy days on the job, try using the Active Mode to keep you moving faster. Avoid the hassle of turning the scanner on again and reconnecting to your host device.

Scan one of the barcodes below and reconfigure the scanner to remain on longer.

Note: Turn off the host device's Bluetooth prior to scanning one of the alternate timer barcodes. Then turn the Bluetooth back on.

Scanner Always On*

Configures the scanner to never power off.



Continuous Power for 8 hours*

Scan Barcode to configure the scanner to remain on for 8 hours.



Continuous Power for 4 hours*

Scan Barcode to configure the scanner to remain on for 4 hours.



Return Scanner to Default Setting





Turns the scanner off when it is not in use - 3 to 5 minutes after being disconnected from host device.



SCANNER ENGINE COMMAND BARCODES

Advanced Scanner Configurations

INSTRUCTIONS: Scan command barcode(s) to quickly configure the barcode scanner.

-  Make sure the scanner is not connected to a host computer or device before scanning a command barcode!
-  To use the scanner on multiple hosts, perform the unpair sequence. For instructions, see User's Guide.
-  By default, the scanner is in Basic Mode (HID) as a Keyboard device.
-  Cover adjacent barcodes before scanning a command barcode to prevent scanning the wrong code.

For further assistance, contact technical support:
Create a ticket at <https://support.socketmobile.com>

Telephone: 800-279-1390
Worldwide: +1 (510) 933-3020

Transmit “No Read” Message (5Eh)

R : 00 00 05 C7 04 00 5E S1 S2

W : 00 00 07 C6 04 00 FF 5E 01 S1 S2



.D041\$

Enable No Read (for Trigger Mode – Level only)

W : 00 00 07 C6 04 00 FF 5E 00 S1 S2



.D040\$

*Disable No Read

Parameter Scanning (ECh)

R : 00 00 05 C7 04 00 EC S1 S2

W : 00 00 07 C6 04 00 FF EC 01 S1 S2



.B015\$

*Enable Parameter Scanning (Enable Setup Code)

W : 00 00 07 C6 04 00 FF EC 00 S1 S2



.B016\$

Disable Parameter Scanning (Disable Setup Code)

Parameter Pass Through (F1h 71h)

Enable **Parameter Pass Through** to transmit bar codes in the following format, in Code 128, to the host:

<FNC3>L<any length data>

<FNC3>B<12 characters of data>

Note that the special Code 128 character <FNC3> must appear at the beginning of this data. However, if the appropriate data does not follow this as shown above, it does not transmit to the host device.

R : 00 00 06 C7 04 00 F1 71 S1 S2

W : 00 00 08 C6 04 00 FF F1 71 01 S1 S2



.M024\$

Enable Parameter Pass Through (For Code-128 only)

W : 00 00 08 C6 04 00 FF F1 71 00 S1 S2



.M025\$

*Disable Parameter Pass Through (For Code-128 only)

Disable All Symbologies



.A003\$

Disable All Symbologies

Linear Code Type Security Level (4Eh)

特別處理條碼如下:

Codabar Length = 8 or less.

MSI Length = 4 or less.

I 2 of 5 Length = 8 or less.

R : 00 00 05 C7 04 00 4E S1 S2

W : 00 00 07 C6 04 00 FF 4E 01 S1 S2



.A036\$

*Level 1, 上述條碼強制解 2 次.

W : 00 00 07 C6 04 00 FF 4E 02 S1 S2



.A037\$

Level 2, 所有條碼強制解 2 次.

W : 00 00 07 C6 04 00 FF 4E 03 S1 S2



.A038\$

Level 3, 上述條碼強制解 3 次, 其他 2 次.

W : 00 00 07 C6 04 00 FF 4E 04 S1 S2



.A039\$

Level 4, 所有條碼強制解 3 次.

UPC/EAN

● Enable/Disable UPC-A (01h)

R : 00 00 05 C7 04 00 01 S1 S2

W : 00 00 07 C6 04 00 FF 01 01 S1 S2



.H001\$

*Enable UPC-A

W : 00 00 07 C6 04 00 FF 01 00 S1 S2



.H002\$

Disable UPC-A

● **Enable/Disable UPC-E (02h)**

R : 00 00 05 C7 04 00 02 S1 S2

W : 00 00 07 C6 04 00 FF 02 01 S1 S2



.H007\$

*Enable UPC-E

W : 00 00 07 C6 04 00 FF 02 00 S1 S2



.H008\$

Disable UPC-E

● **Enable/Disable UPC-E1 (0Ch)**

R : 00 00 05 C7 04 00 0C S1 S2

W : 00 00 07 C6 04 00 FF 0C 01 S1 S2



.H065\$

Enable UPC-E1

W : 00 00 07 C6 04 00 FF 0C 00 S1 S2



.H066\$

*Disable UPC-E1

● **Enable/Disable EAN-8 (04h)**

R : 00 00 05 C7 04 00 04 S1 S2

W : 00 00 07 C6 04 00 FF 04 01 S1 S2



.H019\$

*Enable EAN-8

W : 00 00 07 C6 04 00 FF 04 00 S1 S2



.H020\$

Disable EAN-8

● **Enable/Disable EAN-13 (03h)**

R : 00 00 05 C7 04 00 03 S1 S2

W : 00 00 07 C6 04 00 FF 03 01 S1 S2



.H013\$

*Enable EAN-13

W : 00 00 07 C6 04 00 FF 03 00 S1 S2



.H014\$

Disable EAN-13

● **Enable/Disable Bookland EAN (ISBN) (53h)**

R : 00 00 05 C7 04 00 53 S1 S2

W : 00 00 07 C6 04 00 FF 53 01 S1 S2



.H049\$

Enable Bookland EAN

W : 00 00 07 C6 04 00 FF 53 00 S1 S2



.H050\$

*Disable Bookland EAN

● **Bookland ISBN Format (F1h 40h)**

R : 00 00 06 C7 04 00 F1 40 S1 S2

W : 00 00 08 C6 04 00 FF F1 40 00 S1 S2



.H073\$

*Bookland ISBN-10

W : 00 00 08 C6 04 00 FF F1 40 01 S1 S2



.H074\$

Bookland ISBN-13

● **Decode UPC/EAN Supplementals (10h)**

R : 00 00 05 C7 04 00 10 S1 S2

W : 00 00 07 C6 04 00 FF 10 01 S1 S2



Decode UPC/EAN With Supplementals (強制解附加碼)

W : 00 00 07 C6 04 00 FF 10 00 S1 S2



* Ignore UPC/EAN With Supplementals (不解附加碼)

W : 00 00 07 C6 04 00 FF 10 02 S1 S2



Autodiscriminate UPC/EAN Supplementals (不限前 3 字元)

W : 00 00 07 C6 04 00 FF 10 04 S1 S2



Enable 378/379 Supplemental Mode

W : 00 00 07 C6 04 00 FF 10 05 S1 S2



Enable 978/979 Supplemental Mode

W : 00 00 07 C6 04 00 FF 10 07 S1 S2



Enable 977 Supplemental Mode

W : 00 00 07 C6 04 00 FF 10 06 S1 S2



Enable 414/419/439 Supplemental Mode

W : 00 00 07 C6 04 00 FF 10 08 S1 S2



Enable 491 Supplemental Mode

W : 00 00 07 C6 04 00 FF 10 03 S1 S2



Enable Smart Supplemental Mode (限定上述前 3 字元)

● **Decode UPC/EAN Supplemental Redundancy (50h)**

R : 00 00 05 C7 04 00 50 S1 S2

W : 00 00 07 C6 04 00 FF 50 07 S1 S2



Decode UPC/EAN Supplemental Redundancy (default : 07)

Triple Setting , input 2 digits , Range : 02~20.

● **UPC/EAN/JAN Supplemental AIM ID Format (F1h A0h)**

R : 00 00 06 C7 04 00 F1 A0 S1 S2

W : 00 00 08 C6 04 00 FF F1 A0 00 S1 S2



Separate

W : 00 00 08 C6 04 00 FF F1 A0 01 S1 S2



*Combined

W : 00 00 08 C6 04 00 FF F1 A0 02 S1 S2



Separate Transmissions

● **Transmit UPC-A Check Digit (28h)**

R : 00 00 05 C7 04 00 28 S1 S2

W : 00 00 07 C6 04 00 FF 28 01 S1 S2



*Transmit UPC-A Check Digit

W : 00 00 07 C6 04 00 FF 28 00 S1 S2



Do Not Transmit UPC-A Check Digit

● **Transmit UPC-E Check Digit (29h)**

R : 00 00 05 C7 04 00 29 S1 S2

W : 00 00 07 C6 04 00 FF 29 01 S1 S2



.H011S

*Transmit UPC-E Check Digit

W : 00 00 07 C6 04 00 FF 29 00 S1 S2



.H012S

Do Not Transmit UPC-E Check Digit

● **Transmit UPC-E1 Check Digit (2Ah)**

R : 00 00 05 C7 04 00 2A S1 S2

W : 00 00 07 C6 04 00 FF 2A 01 S1 S2



.H103S

*Transmit UPC-E1 Check Digit

W : 00 00 07 C6 04 00 FF 2A 00 S1 S2



.H104S

Do Not Transmit UPC-E1 Check Digit

● **UPC-A Preamble (22h)**

R : 00 00 05 C7 04 00 22 S1 S2

W : 00 00 07 C6 04 00 FF 22 00 S1 S2



.H004S

No Preamble (11 digits)

W : 00 00 07 C6 04 00 FF 22 01 S1 S2



.H003S

*System Character (12 digits)

W : 00 00 07 C6 04 00 FF 22 02 S1 S2



.H068S

System Character & Country Code (13 digits)

● **UPC-E Preamble (23h)**

R : 00 00 05 C7 04 00 23 S1 S2

W : 00 00 07 C6 04 00 FF 23 00 S1 S2



.H010\$

No Preamble (7 digits)

W : 00 00 07 C6 04 00 FF 23 01 S1 S2



.H009\$

*System Character (8 digits)

W : 00 00 07 C6 04 00 FF 23 02 S1 S2



.H105\$

System Character & Country Code (9 digits)

● **UPC-E1 Preamble (24h)**

R : 00 00 05 C7 04 00 24 S1 S2

W : 00 00 07 C6 04 00 FF 24 00 S1 S2



.H106\$

No Preamble (7 digits)

W : 00 00 07 C6 04 00 FF 24 01 S1 S2



.H107\$

*System Character (8 digits)

W : 00 00 07 C6 04 00 FF 24 02 S1 S2



.H108\$

System Character & Country Code (9 digits)

● **Convert UPC-E to UPC-A (25h)**

R : 00 00 05 C7 04 00 25 S1 S2

W : 00 00 07 C6 04 00 FF 25 01 S1 S2



.H053S

Convert UPC-E to UPC-A (Enable)

W : 00 00 07 C6 04 00 FF 25 00 S1 S2



.H054S

*Do Not Convert UPC-E to UPC-A (Disable)

● **Convert UPC-E1 to UPC-A (26h)**

R : 00 00 05 C7 04 00 26 S1 S2

W : 00 00 07 C6 04 00 FF 26 01 S1 S2



.H109S

Convert UPC-E1 to UPC-A (Enable)

W : 00 00 07 C6 04 00 FF 26 00 S1 S2



.H110S

*Do Not Convert UPC-E1 to UPC-A (Disable)

● **EAN Zero Extend (Convert EAN-8 to EAN-13) (27h)**

R : 00 00 05 C7 04 00 27 S1 S2

W : 00 00 07 C6 04 00 FF 27 01 S1 S2



.H076S

Enable EAN Zero Extend

W : 00 00 07 C6 04 00 FF 27 00 S1 S2



.H075S

*Disable EAN Zero Extend

● **ISSN EAN (F1h 69h)**

R : 00 00 06 C7 04 00 F1 69 S1 S2

W : 00 00 08 C6 04 00 FF F1 69 01 S1 S2



.H051\$

Enable ISSN EAN

W : 00 00 08 C6 04 00 FF F1 69 00 S1 S2



.H052\$

*Disable ISSN EAN

Code 128

● **Enable/Disable Code 128 (08h)**

R : 00 00 05 C7 04 00 08 S1 S2

W : 00 00 07 C6 04 00 FF 08 01 S1 S2



.J010\$

*Enable Code 128

W : 00 00 07 C6 04 00 FF 08 00 S1 S2



.J011\$

Disable Code 128

● **Set Length for Code 128 (GS1-128)(D1h & D2h)**

One Discrete Length : Length 1 = value , Length 2 = 0.

Two Discrete Lengths : Length 1 > Length 2.

Length Within Range : Length 2 > Length 1.

Any Length : Length 1 = 0, Length 2 = 0.

R : 00 00 05 C7 04 00 D1 S1 S2

R : 00 00 05 C7 04 00 D2 S1 S2

W : 00 00 07 C6 04 00 FF D1 01 S1 S2



Length 1

W : 00 00 07 C6 04 00 FF D2 37 S1 S2



Length 2

Triple Setting , input 2 digits , Range : 00~55.

● **Enable/Disable GS1-128 (formerly UCC/EAN-128) (0Eh)**

R : 00 00 05 C7 04 00 0E S1 S2

W : 00 00 07 C6 04 00 FF 0E 01 S1 S2



*Enable GS1-128

W : 00 00 07 C6 04 00 FF 0E 00 S1 S2



Disable GS1-128

Code 39

- **Enable/Disable Code 39 (00h)**

R : 00 00 05 C7 04 00 00 S1 S2

W : 00 00 07 C6 04 00 FF 00 01 S1 S2



.G008\$

*Enable Code 39

W : 00 00 07 C6 04 00 FF 00 00 S1 S2



.G009\$

Disable Code 39

- **Convert Code 39 to Code 32 (Italian Pharma Code) (56h)**

R : 00 00 05 C7 04 00 56 S1 S2

W : 00 00 07 C6 04 00 FF 56 01 S1 S2



.K010\$

Enable Convert Code 39 to Code 32

W : 00 00 07 C6 04 00 FF 56 00 S1 S2



.K011\$

*Disable Convert Code 39 to Code 32

- **Code 32 Prefix (E7h)**

R : 00 00 05 C7 04 00 E7 S1 S2

W : 00 00 07 C6 04 00 FF E7 01 S1 S2



.K012\$

Enable Code 32 Prefix

W : 00 00 07 C6 04 00 FF E7 00 S1 S2



.K013\$

*Disable Code 32 Prefix

● **Set Lengths for Code 39 (12h & 13h)**

One Discrete Length : Length 1 = value , Length 2 = 0.

Two Discrete Lengths : Length 1 > Length 2.

Length Within Range : Length 2 > Length 1.

Any Length : Length 1 = 0, Length 2 = 0.

R : 00 00 05 C7 04 00 12 S1 S2

R : 00 00 05 C7 04 00 13 S1 S2

W : 00 00 07 C6 04 00 FF 12 02 S1 S2



.G006\$

Length 1

W : 00 00 07 C6 04 00 FF 13 37 S1 S2



.G007\$

Length 2

Triple Setting , input 2 digits , Range : 00~55.

● **Code 39 Check Digit Verification (30h)**

R : 00 00 05 C7 04 00 30 S1 S2

W : 00 00 07 C6 04 00 FF 30 01 S1 S2



.G018\$

Verify Code 39 Check Digit

W : 00 00 07 C6 04 00 FF 30 00 S1 S2



.G003\$

*Do Not Verify Code 39 Check Digit

● **Transmit Code 39 Check Digit (2Bh)**

R : 00 00 05 C7 04 00 2B S1 S2

W : 00 00 07 C6 04 00 FF 2B 01 S1 S2



.G004\$

Transmit Code 39 Check Digit (Enable)

W : 00 00 07 C6 04 00 FF 2B 00 S1 S2



.G005\$

*Do Not Transmit Code 39 Check Digit (Disable)

● **Enable/Disable Code 39 Full ASCII (11h)**

R : 00 00 05 C7 04 00 11 S1 S2

W : 00 00 07 C6 04 00 FF 11 01 S1 S2



G001\$

Enable Code 39 Full ASCII

W : 00 00 07 C6 04 00 FF 11 00 S1 S2



G002\$

*Disable Code 39 Full ASCII

Code 93

● **Enable/Disable Code 93 (09h)**

R : 00 00 05 C7 04 00 09 S1 S2

W : 00 00 07 C6 04 00 FF 09 01 S1 S2



G010\$

Enable Code 93

W : 00 00 07 C6 04 00 FF 09 00 S1 S2



G011\$

*Disable Code 93

● **Set Lengths for Code 93 (1Ah & 1Bh)**

One Discrete Length : Length 1 = value , Length 2 = 0.

Two Discrete Lengths : Length 1 > Length 2.

Length Within Range : Length 2 > Length 1.

Any Length : Length 1 = 0, Length 2 = 0

R : 00 00 05 C7 04 00 1A S1 S2

R : 00 00 05 C7 04 00 1B S1 S2

W : 00 00 07 C6 04 00 FF 1A 04 S1 S2



G012\$

Length 1

W : 00 00 07 C6 04 00 FF 1B 37 S1 S2



G013\$

Length 2

Triple Setting , input 2 digits , Range : 00~55.

Code 11

- **Enable/Disable Code 11 (0Ah)**

R : 00 00 05 C7 04 00 0A S1 S2

W : 00 00 07 C6 04 00 FF 0A 01 S1 S2



Enable Code 11

W : 00 00 07 C6 04 00 FF 0A 00 S1 S2



*Disable Code 11

- **Set Lengths for Code 11 (1Ch & 1Dh)**

One Discrete Length : Length 1 = value , Length 2 = 0.

Two Discrete Lengths : Length 1 > Length 2.

Length Within Range : Length 2 > Length 1.

Any Length : Length 1 = 0, Length 2 = 0.

R : 00 00 05 C7 04 00 1C S1 S2

R : 00 00 05 C7 04 00 1D S1 S2

W : 00 00 07 C6 04 00 FF 1C 04 S1 S2



Length 1

W : 00 00 07 C6 04 00 FF 1D 37 S1 S2



Length 2

Triple Setting , input 2 digits , Range : 00~55.

● **Code 11 Check Digit Verification (34h)**

R : 00 00 05 C7 04 00 34 S1 S2

W : 00 00 07 C6 04 00 FF 34 00 S1 S2



.I012\$ *Disable

W : 00 00 07 C6 04 00 FF 34 01 S1 S2



.I042\$ One Check Digit

W : 00 00 07 C6 04 00 FF 34 02 S1 S2



.I043\$ Two Check Digit

● **Transmit Code 11 Check Digits (2Fh)**

R : 00 00 05 C7 04 00 2F S1 S2

W : 00 00 07 C6 04 00 FF 2F 01 S1 S2



.I013\$ Transmit Code 11 Check Digits (Enable)

W : 00 00 07 C6 04 00 FF 2F 00 S1 S2



.I014\$ *Do Not Transmit Code 11 Check Digits (Disable)

Interleaved 2 of 5

● **Enable/Disable Interleaved 2 of 5 (06h)**

R : 00 00 05 C7 04 00 06 S1 S2

W : 00 00 07 C6 04 00 FF 06 01 S1 S2



.J001\$ *Enable Interleaved 2 of 5

W : 00 00 07 C6 04 00 FF 06 00 S1 S2



.J002\$ Disable Interleaved 2 of 5

● **Set Lengths for Interleaved 2 of 5 (16h & 17h)**

One Discrete Length : Length 1 = value , Length 2 = 0.

Two Discrete Lengths : Length 1 > Length 2.

Length Within Range : Length 2 > Length 1.

Any Length : Length 1 = 0, Length 2 = 0.

R : 00 00 05 C7 04 00 16 S1 S2

R : 00 00 05 C7 04 00 17 S1 S2

W : 00 00 07 C6 04 00 FF 16 0E S1 S2



.J006\$

Length 1

W : 00 00 07 C6 04 00 FF 17 00 S1 S2



.J007\$

Length 2

Triple Setting , input 2 digits , Range : 00~55.

● **I 2 of 5 Check Digit Verification (31h)**

R : 00 00 05 C7 04 00 31 S1 S2

W : 00 00 07 C6 04 00 FF 31 00 S1 S2



.J003\$

*Disable

W : 00 00 07 C6 04 00 FF 31 01 S1 S2



.J042\$

USS Check Digit

W : 00 00 07 C6 04 00 FF 31 02 S1 S2



.J043\$

OPCC Check Digit

● **Transmit I 2 of 5 Check Digit (2Ch)**

R : 00 00 05 C7 04 00 2C S1 S2

W : 00 00 07 C6 04 00 FF 2C 01 S1 S2



.J004\$

Transmit I 2 of 5 Check Digit (Enable)

W : 00 00 07 C6 04 00 FF 2C 00 S1 S2



.J005\$

*Do Not Transmit I 2 of 5 Check Digit (Disable)

● **Convert I 2 of 5 to EAN-13 (52h)**

This parameter converts a 14 character I 2 of 5 code into EAN-13, and transmits to the host as EAN-13. To accomplish this, I 2 of 5 must be enabled, one length must be set to 14, and the code must have a leading zero and a valid EAN-13 check digit.

R : 00 00 05 C7 04 00 52 S1 S2

W : 00 00 07 C6 04 00 FF 52 01 S1 S2



.J044\$

Convert I 2 of 5 to EAN-13 (Enable)

W : 00 00 07 C6 04 00 FF 52 00 S1 S2



.J045\$

*Do Not Convert I 2 of 5 to EAN-13 (Disable)

Discrete 2 of 5

(對應 Marson 的 Industrial 25 & IATA)

● **Enable/Disable Discrete 2 of 5 (05h)**

R : 00 00 05 C7 04 00 05 S1 S2

W : 00 00 07 C6 04 00 FF 05 01 S1 S2



.N001\$

Enable Discrete 2 of 5

W : 00 00 07 C6 04 00 FF 05 00 S1 S2



.N002\$

*Disable Discrete 2 of 5

● **Set Lengths for Discrete 2 of 5 (14h & 15h)**

One Discrete Length : Length 1 = value , Length 2 = 0.

Two Discrete Lengths : Length 1 > Length 2.

Length Within Range : Length 2 > Length 1.

Any Length : Length 1 = 0, Length 2 = 0.

R : 00 00 05 C7 04 00 14 S1 S2

R : 00 00 05 C7 04 00 15 S1 S2

W : 00 00 07 C6 04 00 FF 14 0C S1 S2



.N006\$

Length 1

W : 00 00 07 C6 04 00 FF 15 00 S1 S2



.N007\$

Length 2

Chinese 2 of 5

● **Enable/Disable Chinese 2 of 5 (F0h 98h)**

R : 00 00 06 C7 04 00 F0 98 S1 S2

W : 00 00 08 C6 04 00 FF F0 98 01 S1 S2



.K001\$

Enable Chinese 2 of 5

W : 00 00 08 C6 04 00 FF F0 98 00 S1 S2



.K002\$

*Disable Chinese 2 of 5

(條碼資料長度固定為 11 碼)

Matrix 2 of 5

● **Enable/Disable Matrix 2 of 5 (F1h 6Ah)**

R : 00 00 06 C7 04 00 F1 6A S1 S2

W : 00 00 08 C6 04 00 FF F1 6A 01 S1 S2



.M010\$

Enable Matrix 2 of 5

W : 00 00 08 C6 04 00 FF F1 6A 00 S1 S2



.M011\$

*Disable Matrix 2 of 5

● **Set Lengths for Matrix 2 of 5 (F1h 6Bh & F1h 6Ch)**

One Discrete Length : Length 1 = value , Length 2 = 0.

Two Discrete Lengths : Length 1 > Length 2.

Length Within Range : Length 2 > Length 1.

Any Length : Length 1 = 0, Length 2 = 0.

R : 00 00 06 C7 04 00 F1 6B S1 S2

R : 00 00 06 C7 04 00 F1 6C S1 S2

W : 00 00 08 C6 04 00 FF F1 6B 0E S1 S2



.M015S

Length 1

W : 00 00 08 C6 04 00 FF F1 6C 00 S1 S2



.M016S

Length 2

Triple Setting , input 2 digits , Range : 00~55.

● **Matrix 2 of 5 Redundancy (F1h 6Dh)**

R : 00 00 06 C7 04 00 F1 6D S1 S2

W : 00 00 08 C6 04 00 FF F1 6D 01 S1 S2



.M021S

Enable Matrix 2 of 5 Redundancy

W : 00 00 08 C6 04 00 FF F1 6D 00 S1 S2



.M022S

*Disable Matrix 2 of 5 Redundancy

● **Matrix 2 of 5 Check Digit Verification (F1h 6Eh)**

R : 00 00 06 C7 04 00 F1 6E S1 S2

W : 00 00 08 C6 04 00 FF F1 6E 01 S1 S2



.M023S

Enable Matrix 2 of 5 Check Digit

W : 00 00 08 C6 04 00 FF F1 6E 00 S1 S2



.M012S

*Disable Matrix 2 of 5 Check Digit

● **Transmit Matrix 2 of 5 Check Digit (F1h 6Fh)**

R : 00 00 06 C7 04 00 F1 6F S1 S2

W : 00 00 08 C6 04 00 FF F1 6F 01 S1 S2



.M013\$

Transmit Matrix 2 of 5 Check Digit

W : 00 00 08 C6 04 00 FF F1 6F 00 S1 S2



.M014\$

*Do Not Transmit Matrix 2 of 5 Check Digit

Inverse 1D (F1h 4Ah)

R : 00 00 06 C7 04 00 F1 4A S1 S2

W : 00 00 08 C6 04 00 FF F1 4A 00 S1 S2



.D021\$

*Regular

W : 00 00 08 C6 04 00 FF F1 4A 01 S1 S2



.D043\$

Inverse Only

W : 00 00 08 C6 04 00 FF F1 4A 02 S1 S2



.D022\$

Inverse Autodetect

Codabar

● **Enable/Disable Codabar (07h)**

R : 00 00 05 C7 04 00 07 S1 S2

W : 00 00 07 C6 04 00 FF 07 01 S1 S2



.I001\$

Enable Codabar

W : 00 00 07 C6 04 00 FF 07 00 S1 S2



.I002\$

*Disable Codabar

● **Set Lengths for Codabar (18h & 19h)**

One Discrete Length : Length 1 = value , Length 2 = 0.

Two Discrete Lengths : Length 1 > Length 2.

Length Within Range : Length 2 > Length 1.

Any Length : Length 1 = 0, Length 2 = 0.

R : 00 00 05 C7 04 00 18 S1 S2

R : 00 00 05 C7 04 00 19 S1 S2

W : 00 00 07 C6 04 00 FF 18 05 S1 S2



.1008\$

Length 1

W : 00 00 07 C6 04 00 FF 19 37 S1 S2



.1009\$

Length 2

Triple Setting , input 2 digits , Range : 00~55.

● **CLSI Editing (36h)**

R : 00 00 05 C7 04 00 36 S1 S2

W : 00 00 07 C6 04 00 FF 36 01 S1 S2



.1027\$

Enable CLSI Editing

W : 00 00 07 C6 04 00 FF 36 00 S1 S2



.1028\$

*Disable CLSI Editing

● **NOTIS Editing (37h)**

R : 00 00 05 C7 04 00 37 S1 S2

W : 00 00 07 C6 04 00 FF 37 00 S1 S2



.1003\$

*Disable NOTIS Editing (保留 abcd)

W : 00 00 07 C6 04 00 FF 37 01 S1 S2



.1004\$

Enable NOTIS Editing (移除 abcd)

MSI

● Enable/Disable MSI (0Bh)

R : 00 00 05 C7 04 00 0B S1 S2

W : 00 00 07 C6 04 00 FF 0B 01 S1 S2



.L001\$

Enable MSI

W : 00 00 07 C6 04 00 FF 0B 00 S1 S2



.L002\$

*Disable MSI

● Set Lengths for MSI (1Eh & 1Fh)

One Discrete Length : Length 1 = value , Length 2 = 0.

Two Discrete Lengths : Length 1 > Length 2.

Length Within Range : Length 2 > Length 1.

Any Length : Length 1 = 0, Length 2 = 0.

R : 00 00 05 C7 04 00 1E S1 S2

R : 00 00 05 C7 04 00 1F S1 S2

W : 00 00 07 C6 04 00 FF 1E 06 S1 S2



.L005\$

Length 1

W : 00 00 07 C6 04 00 FF 1F 37 S1 S2



.L006\$

Length 2

Triple Setting , input 2 digits , Range : 00~55.

● MSI Check Digit (32h)

R : 00 00 05 C7 04 00 32 S1 S2

W : 00 00 07 C6 04 00 FF 32 00 S1 S2



.L009\$

*One MSI Check Digit

W : 00 00 07 C6 04 00 FF 32 01 S1 S2



.L026\$

Two MSI Check Digit

● **Transmit MSI Check Digit (2Eh)**

R : 00 00 05 C7 04 00 2E S1 S2

W : 00 00 07 C6 04 00 FF 2E 01 S1 S2



Transmit MSI Check Digit (Enable)

W : 00 00 07 C6 04 00 FF 2E 00 S1 S2



*Do Not Transmit MSI Check Digit (Disable)

● **MSI Check Digit Algorithm (33h)**

R : 00 00 05 C7 04 00 33 S1 S2

W : 00 00 07 C6 04 00 FF 33 00 S1 S2



MOD 10 / MOD 11

W : 00 00 07 C6 04 00 FF 33 01 S1 S2



*MOD 10 / MOD 10

GS1-DataBar

● **Enable/Disable GS1 DataBar Omnidirectional (F0h 52h)**

R : 00 00 06 C7 04 00 F0 52 S1 S2

W : 00 00 08 C6 04 00 FF F0 52 01 S1 S2



*Enable GS1 DataBar Omnidirectional

W : 00 00 08 C6 04 00 FF F0 52 00 S1 S2



Disable GS1 DataBar Omnidirectional

● **Enable/Disable GS1 DataBar Limited (F0h 53h)**

R : 00 00 06 C7 04 00 F0 53 S1 S2

W : 00 00 08 C6 04 00 FF F0 53 01 S1 S2



.N010\$

* Enable GS1 DataBar Limited

W : 00 00 08 C6 04 00 FF F0 53 00 S1 S2



.N011\$

Disable GS1 DataBar Limited

● **Enable/Disable GS1 DataBar Expanded (F0h 54h)**

R : 00 00 06 C7 04 00 F0 54 S1 S2

W : 00 00 08 C6 04 00 FF F0 54 01 S1 S2



.N026\$

*Enable GS1 DataBar Expanded

W : 00 00 08 C6 04 00 FF F0 54 00 S1 S2



.N027\$

Disable GS1 DataBar Expanded

● **Convert GS1 DataBar to UPC/EAN (F0h 8Dh)**

This parameter only applies to GS1 DataBar Omnidirectional and GS1 DataBar Limited symbols. When this conversion is enabled, GS1 DataBar Omnidirectional and GS1 DataBar Limited symbols encoding a single zero as the first digit have the leading '010' stripped and the bar code reported as EAN-13.

Bar codes beginning with two or more zeros but not six zeros have the leading '0100' stripped and the bar code reported as UPC-A. The UPC-A Preamble parameter to transmit the system character and country code applies to converted bar codes. Note that neither the system character nor the check digit can be stripped.

R : 00 00 06 C7 04 00 F0 8D S1 S2

W : 00 00 08 C6 04 00 FF F0 8D 01 S1 S2



.N040\$

Enable Convert GS1 DataBar to UPC/EAN

W : 00 00 08 C6 04 00 FF F0 8D 00 S1 S2



.N041\$

*Disable Convert GS1 DataBar to UPC/EAN

Transmit Code ID Character (2Dh)

R : 00 00 05 C7 04 00 2D S1 S2

W : 00 00 07 C6 04 00 FF 2D 01 S1 S2



.A008\$

Symbol Code ID Character

W : 00 00 07 C6 04 00 FF 2D 02 S1 S2



.A014\$

AIM Code ID Character

W : 00 00 07 C6 04 00 FF 2D 00 S1 S2



.A009\$

*None

Prefix/Suffix Values (68h/69h/6Ah)

R : 00 00 05 C7 04 00 69 S1 S2

W : 00 00 07 C6 04 00 FF 69 00 S1 S2



.D044\$

Scan Prefix

(Triple Setting , input 3 digits , Range : 000~255.)

R : 00 00 05 C7 04 00 68 S1 S2

W : 00 00 07 C6 04 00 FF 68 0D S1 S2



.D045\$

Scan Suffix 1

(Triple Setting , input 3 digits , Range : 000~255.)

R : 00 00 05 C7 04 00 6A S1 S2

W : 00 00 07 C6 04 00 FF 6A 0A S1 S2



.D046\$

Scan Suffix 2

(Triple Setting , input 3 digits , Range : 000~255.)

Scan Data Transmission Format (EBh)

R : 00 00 05 C7 04 00 EB S1 S2

W : 00 00 07 C6 04 00 FF EB 00 S1 S2



.D010\$

*Data As Is

W : 00 00 07 C6 04 00 FF EB 01 S1 S2



.D013\$

<DATA><CR><LF>

W : 00 00 07 C6 04 00 FF EB 02 S1 S2



.D012\$

<DATA><CR>

W : 00 00 07 C6 04 00 FF EB 03 S1 S2



.D011\$

<DATA><LF>

W : 00 00 07 C6 04 00 FF EB 04 S1 S2



.D047\$

<DATA><SUFFIX 1>

W : 00 00 07 C6 04 00 FF EB 05 S1 S2



.D048\$

<DATA><SUFFIX 2>

W : 00 00 07 C6 04 00 FF EB 06 S1 S2



.D049\$

<DATA><SUFFIX 1><SUFFIX 2>

W : 00 00 07 C6 04 00 FF EB 07 S1 S2



.D050\$

<PREFIX><DATA>

W : 00 00 07 C6 04 00 FF EB 08 S1 S2



.D051\$

<PREFIX><DATA><SUFFIX 1>

W : 00 00 07 C6 04 00 FF EB 09 S1 S2



.D052\$

<PREFIX><DATA><SUFFIX 2>

W : 00 00 07 C6 04 00 FF EB 0A S1 S2



.D053\$

<PREFIX><DATA><SUFFIX 1><SUFFIX 2>

Serial Parameters (9Ch)

R : 00 00 05 C7 04 00 9C S1 S2

W : 00 00 07 C6 04 00 FF 9C 06 S1 S2 (暫時變更)

W : 00 00 07 C6 04 08 FF 9C 06 S1 S2 (永久變更)



.E006\$

*Baud Rate 9600

W : 00 00 07 C6 04 00 FF 9C 07 S1 S2



.E007\$

Baud Rate 19200

W : 00 00 07 C6 04 00 FF 9C 08 S1 S2



.E022\$

Baud Rate 38400

W : 00 00 07 C6 04 00 FF 9C 0A S1 S2



.E061\$

Baud Rate 57600

W : 00 00 07 C6 04 00 FF 9C 0B S1 S2



.E063\$

Baud Rate 115200

Manual 設定, 使用原有 baud rate 輸出, 重開機後套用新設定 baud rate.

vSSI 命令設定(暫時變更), 使用新設定 baud rate 輸出, 重開機後套用舊有設定 baud rate.

vSSI 命令設定(永久變更), 使用新設定 baud rate 輸出, 重開機後套用新設定 baud rate.

Decode Data Packet Format (EEh)

R : 00 00 05 C7 04 00 EE S1 S2

W : 00 00 07 C6 04 00 FF EE 00 S1 S2



.C038\$

*Send Raw Decode Data

W : 00 00 07 C6 04 00 FF EE 01 S1 S2



.C039\$

Send Packeted Decode Data

Host Serial Response Time-out (9Bh)

This parameter specifies how long the decoder waits for an ACK or NAK before resending. Also, if the decoder wants to send, and the host has already been granted permission to send, the decoder waits for the designated time-out before declaring an error.

R : 00 00 05 C7 04 00 9B S1 S2

W : 00 00 07 C6 04 00 FF 9B 14 S1 S2



.B038\$

Host Serial Response Time-out = 20 (Default : 2.0 sec)

Triple Setting , input 2 digits , Range : 01~99 (0.1 sec ~ 9.9 sec).

Host Character Time-out (EFh)

This parameter determines the maximum time the decoder waits between characters transmitted by the host before discarding the received data and declaring an error.

R : 00 00 05 C7 04 00 EF S1 S2

W : 00 00 07 C6 04 00 FF EF 32 S1 S2



.B037\$

Host Character Time-out = 05 (Default : 50 ms)

Triple Setting , input 2 digits , Range : 01~99 (0.01 sec ~ 0.99 sec).

Event Reporting

● Boot Up Event (F0h 02h)

When enabled, the decoder sends a message to the host whenever power is applied. When disabled, no message is sent.

R : 00 00 06 C7 04 00 F0 02 S1 S2

W : 00 00 08 C6 04 00 FF F0 02 01 S1 S2



.C040\$

Enable

W : 00 00 08 C6 04 00 FF F0 02 00 S1 S2



.C041\$

*Disable

● **Parameter Event (F0h 03h)**

When enabled, the decoder sends a message to the host when events occurs. When disabled, no message is sent.

R : 00 00 06 C7 04 00 F0 03 S1 S2

W : 00 00 08 C6 04 00 FF F0 03 01 S1 S2



C042\$

*Enable

W : 00 00 08 C6 04 00 FF F0 03 00 S1 S2



C043\$

Disable

● **For Triple Setting use**



0



1



2



3



4



5



6



7



8



9



P023\$

Cancel

<Symbol Code Characters>

A	UPC-A, UPC-E, UPC-E1, EAN-8, EAN-13
B	Code 39, Code 32
C	Codabar
D	Code 128, ISBT 128
E	Code 93
F	Interleaved 2 of 5
G	Discrete 2 of 5
H	Code 11
J	MSI
K	GS1-128
L	Bookland EAN
M	Trioptic Code 39
N	Coupon Code
R	GS1 DataBar Family
S	Matrix 2 of 5
U	Chinese 2 of 5
X	ISSN