



AS-9400DC

Barcode Scanner

User Guide



<http://www.argo.com>

service@argo.com

Version: 1.2

Date: April 7, 2020

Regulatory Compliance

FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

CAUTION:

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.



Note: All brands and trademarks are the property of their respective owners.



Note: The specifications contained herein are subject to change without notice.

警告使用者:

這是甲類的資訊產品，在居住的環境中使用時，可能會造成射頻干擾，在這種情況下，使用者會被要求採取某些適當的對策。



Enter Configuration



Exit Configuration

設備名稱：條碼閱讀器 Equipment name		型號（型式）：AS-9400DC Type designation (Type)				
單元 Unit	限用物質及其化學符號 (Restricted substances and its chemical symbols)					
	鉛Lead (Pb)	汞Mercury (Hg)	鎘Cadmium (Cd)	六價鉻 Hexavalent chromium (Cr ⁶⁺)	多溴聯苯 Polybrominated biphenyls (PBB)	多溴二苯醚 Polybrominated diphenyl ethers (PBDE)
印刷電路板組件	—	○	○	○	○	○
機殼	○	○	○	○	○	○
線材	○	○	○	○	○	○
掃描模組	—	○	○	○	○	○

備考1. “○” 係指該項限用物質之百分比含量未超出百分比含量基準值。
Note 1: “○” indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence.

備考2. “—” 係指該項限用物質為排除項目。
Note 2: The “-” indicates that the restricted substance corresponds to the exemption.



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Exit Configuration

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Exit Configuration

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Enter Configuration



Exit Configuration

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Enter Configuration



Exit Configuration

Command Barcode

Scanning the **Enter Setup** Code can enable the engine to enter the setup mode. Then you can scan a number of command codes to configure your scanner. To exit the setup mode, scan the **Exit Setup** code.



Enter Configuration



Exit Configuration

Important Notes:

All configurations need to go through below steps except Factory Defaults.

Scan “Enter Setup” → “Command Barcode” → “Exit Setup”

Restore Factory Default Configuration



Restore Factory Default Configuration

Enable All Symbologies

If Enable All Symbologies feature is enabled, the scanner will be able to read all 1D and 2D barcodes except the command barcodes.



Enable All Symbologies



Enter Configuration



Exit Configuration

Enable only 1D Symbologies

If Enable only 1D Symbologies feature is enabled, the scanner will be able to read only 1D barcodes except the command barcodes.



Enable only 1D Symbologies

Enable only 2D Symbologies

If Enable only 2D Symbologies feature is enabled, the scanner will be able to read only 2D barcodes except the command barcodes.



Enable only 2D Symbologies

Disable All Symbologies

If all symbologies feature is disabled, the scanner will not be able to read any 1D or 2D barcodes.



Disable All Symbologies

Disable only 1D Symbologies

If only 1D Symbologies feature is disabled, the scanner will not be able to read any 1D barcodes.



Disable only 1D Symbologies



Enter Configuration



Exit Configuration

Disable only 2D Symbologies

If only 2D Symbologies feature is disabled, the scanner will not be able to read any 2D barcodes.



Disable only 2D Symbologies

Scanning Mode

Trigger Mode (Default)

Scanning this bar code will enable the scanner to enter manual trigger mode.



**Trigger Mode

Auto Sense Mode

Scanning this bar code will enable the scanner to enter auto sense mode.



Automatic Scanning Mode

Continuous Mode

This mode enables the engine to scan/capture, decode and transmit over and over again.



Continuous Scanning Mode



Enter Configuration



Exit Configuration

USB Interface (Optional)

USB HID-KBW

By default, the scanner is in HID mode as a Keyboard device. It works on a Plug and Play basis and no driver is required.



**USB HID Keyboard

USB COM Port Emulation

If you connect the scanner to the Host via a USB connection, the USB COM Port Emulation feature allows the host to receive data in the way as a serial port does. A driver is required for this feature



USB Virtual COM Port

Terminator Configuration

The scanner provides a shortcut for configuring the terminating character suffix to CR or CRLF and enabling it by scanning the appropriate barcode below.



No terminator



**CR/Enter



Tab



Enter Configuration



Exit Configuration

Convert Case

Example: When the **Convert All to Upper Case** feature is enabled, barcode data “AbC” is transmitted as “ABC”.



** No Case Conversion



Convert All to Upper Case

SYMBOLOLOGIES

UPC / EAN , 2/5 Add-On Code

An UPC / EAN barcode can be augmented with a two-digit or five-digit add-on code to form a new one. In the examples below, the part surrounded by blue dotted line is an EAN-8 barcode while the part circled by red dotted line is add-on code.



EAN-8 With Add-On 5 Digits

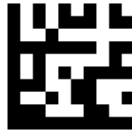


Enter Configuration



Exit Configuration

UPC-A, UPC-E, EAN-13, and EAN-8 , with add-on 2/5codes



Enable UPC/EAN add-on 2/5Digits



**Disable UPC/EAN add-on 2/5Digits

UPC-A



**Enable UPC-A



Disable UPC-A



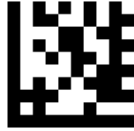
** Transmit UPC-A Check Character



Enter Configuration



Exit Configuration



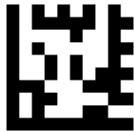
Do Not Transmit UPC-A Check Character



**Enable UPC A Check Character



Disable UPC A Check Character



Convert UPC-A into EAN 13



**Do not Convert UPC-A into EAN 13



Enter Configuration



Exit Configuration

UPC-E



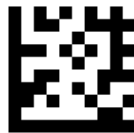
**Enable UPC-E



Disable UPC-E



**Enable UPC-E transmit check Character



Disable UPC-E transmit check Character



**Enable UPC-E Check Character



Enter Configuration



Exit Configuration



Disable UPC-E Check Character



Convert UPC-E into UPC-A



**Do not Convert UPC-E into UPC-A

EAN-8



** Enable EAN-8



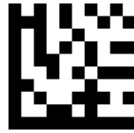
Disable EAN-8



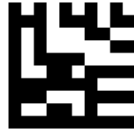
Enter Configuration



Exit Configuration



****Transmit Check Character After Verification**



Do Not Transmit Check Character After Verification



Convert EAN-8 into EAN-13



**** Do not Convert EAN-8 into EAN-13**

EAN 13



****Enable EAN-13**



Enter Configuration



Exit Configuration



Disable EAN-13



**Transmit Check Character After Verification



Do Not Transmit Check Character After Verification



Convert EAN-13 into ISBN



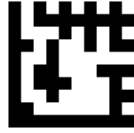
**Do not Convert EAN-13 into ISBN



Enter Configuration



Exit Configuration



Convert EAN-13 into ISSN



**Do not Convert EAN-13 into ISSN

Code 128



**Enable Code 128



Disable Code 128



Enter Configuration



Exit Configuration

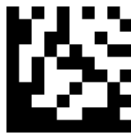
Code 39



**Enable Code39



Disable Code39



Enable Code39 Full ASCII



**Disable Code39 Full ASCII



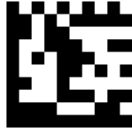
Transmit Start/Stop Character



Enter Configuration



Exit Configuration



** Do Not Transmit Start/Stop Character

Code 39



**Disable Code39 Check Digit



Transmit Check Character After Verification



Do Not Transmit Check Character After Verification



Enter Configuration



Exit Configuration

Code 93



Enable Code 93



**Disable Code 93

Code 32



Enable Code32



**Disable Code32



Enter Configuration



Exit Configuration

Code 11



Enable Code 11



**Disable Code 11



** Transmit Check Character After Verification



Do Not Transmit Check Character After Verification



Enter Configuration



Exit Configuration

Codabar



**Enable Codabar



Disable Codabar



**No Verification After Scan



Transmit Check Character After Verification



Enter Configuration



Exit Configuration



Do Not Transmit Check Character After Verification



Transmit Start/Stop Character



**Do not Transmit Start/Stop Character

Plessey



**Enable Plessey



**Disable Plessey



Enter Configuration



Exit Configuration

MSI Plessey



**Enable MSI Plessey



Disable MSI Plessey



No Verification After Scan



Transmit Check Character After Verification



Do not Transmit Check Character After Verification



Enter Configuration



Exit Configuration

Interleaved 2 of 5



**Enable Interleaved 2 of 5



Disable Interleaved 2 of 5



**No Verification After Scan



Transmit Check Character After Verification



Enter Configuration



Exit Configuration



Do not Transmit Check Character After Verification

IATA 2 of 5



Enable IATA 2 of 5



**Disable IATA 2 of 5

Matrix 2 of 5



Enable Matrix 2 of 5



**Disable Matrix 2 of 5



Enter Configuration



Exit Configuration

Straight 2 of 5



Enable Straight 2 of 5



**Disable Straight 2 of 5

Pharmacode



Enable Pharmacode 2 of 5



**Disable Pharmacode 2 of 5



Enter Configuration



Exit Configuration

RSS-14



**Enable RSS-14



Disable RSS-14



Enable RSS-14 Stacked



**Disable RSS-14 Stacked



Enter Configuration



Exit Configuration

RSS-14 Expanded



**Enable RSS-14 Expanded



Disable RSS-14 Expanded



Enable RSS-14 Expanded Stacked



**Disable RSS-14 Expanded Stacked



Enter Configuration



Exit Configuration

RSS-14 Limited



**Enable RSS-14 Limited



Disable RSS-14 Limited

Composite Code-A



Enable Composite Code-A



**Disable Composite Code-A



Enter Configuration



Exit Configuration

Composite Code-B



Enable Composite Code-B



**Disable Composite Code-B

Composite Code-C



Enable Composite Code-C



**Disable Composite Code-C



Enter Configuration



Exit Configuration

PDF 417



**Enable PDF417



Disable PDF417

Micro PDF 417



**Enable Micro PDF 417



Disable Micro PDF 417



Enter Configuration



Exit Configuration

Data Matrix



**Enable Data Matrix



Disable Data Matrix



Alt + Unicode Mode
(For GS1 Data Matrix)

Rectangular Data Matrix



**Enable Rctangular Data Matrix



Disable Rctangular Data Matrix



Enter Configuration



Exit Configuration

QR



**Enable QR



Disable QR



**Data Outputs on Notepad or Excel



Multi-languages Output/ Data Outputs on Notepad or Excel

Important Note: If a QR code contains special letters like ß ü ì è you need to enable "**Multi-languages Output/ Data Outputs on Notepad or Excel**". A driver also required to be installed in order to decode the QR code. Please contact us to get the driver.



Enter Configuration



Exit Configuration



Code-page output/ Data Outputs on Word , QQ ,wechat

Micro QR



**Enable Micro QR



Disable QR

Aztec



Enable Aztec



Enter Configuration



Exit Configuration



**Disable Aztec

MaxiCode



Enable MaxiCode

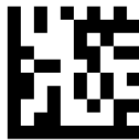


**Disable MaxiCode

DotCode



Enable DotCode



**Disable DotCode



Enter Configuration



Exit Configuration

Configure decoding length for different types of barcodes

- **Configure one decoding length.**

For example:

Configure scanner to decode Code 128 with the length of 14 characters

1. Scan Enter Configuration
2. Scan Code128 " Configure one decoding Length"
3. Scan 1 from ASCII Code Table
4. Scan 4 from ASCII Code Table
5. Scan Exit Configuration

- **Configure 2 different decoding lengths.**

For example:

Configure scanner to decode Code 128 with the length of 2 and 14 characters

1. Scan Enter Configuration
2. Scan Code128 " Configure Two Decoding Length"
3. Scan 0 from ASCII Code Table
4. Scan 2 from ASCII Code Table
5. Scan 1 from ASCII Code Table
6. Scan 4 from ASCII Code Table
7. Scan Exit Configuration

- **Configure Decoding Length Range.**

For example:

Configure scanner to decode Code 128 within the length from 8 to14 characters

1. Scan Enter Configuration
2. Scan Code128 " Configure Decoding Length Range"
3. Scan 0 from ASCII Code Table
4. Scan 8 from ASCII Code Table
5. Scan 1 from ASCII Code Table
6. Scan 4 from ASCII Code Table
7. Scan Exit Configuration



Enter Configuration



Exit Configuration

- **Configure Decoding Any Length**

For example:

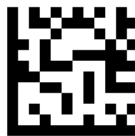
Configure scanner to decode Code 128 with any length

1. Scan Enter Configuration
2. Scan Code128 " Decode Any Length"
3. Scan Exit Configuration

Code 128 Decoding Length



Configure one decoding Length



Configure two different decoding Lengths



Configure Decoding Length Range



**Decode Any length



Enter Configuration



Exit Configuration

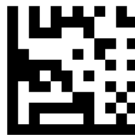
Code 39 Decoding Length



Configure one decoding Length



Configure two different decoding Lengths



Configure decoding length range



** Decode Any Length



Enter Configuration



Exit Configuration

Code 93 Decoding Length



Configure one decoding Length



Configure two different decoding Lengths



Configure decoding length range



**Decode Any length



Enter Configuration



Exit Configuration

Codabar Decoding Length



Configure one decoding Length



Configure two different decoding Lengths



Configure decoding length range



**Decode Any length



Enter Configuration



Exit Configuration

Interleaved 2 of 5 Decoding Length



Configure one decoding Length



Configure two different decoding Lengths



Configure decoding length range



**Decode Any Length



Enter Configuration



Exit Configuration

Code 11 Configure decoding Length



Configure one decoding Length



Configure two different decoding Lengths



Configure decoding Length Range



**Decode Any Length



Enter Configuration



Exit Configuration

MSI Plessey Configure decoding Length



Configure one decoding Length



Configure two different decoding Lengths



Configure decoding length range



**Decode Any Length



Enter Configuration



Exit Configuration

Matrix 2 of 5 Configure decoding Length



Configure one decoding Length



Configure two different decoding Lengths



Configure decoding length range



**Decode Any length



Enter Configuration



Exit Configuration

AIM ID Prefix

If AIM ID prefix is enabled, the engine will add the symbology identifier before the scanned data after decoding. see the **“Appendix 1: AIM ID Table”** section



**Disable AIM ID



Enable AIM ID



Enter Configuration



Exit Configuration

Appendix 1: AIM ID Table

Symbology	Mexxen/Zebex	AIM
UPC-A	A	E
UPC-E	E	E
EAN-8	FF	E
EAN-13	F	E
Code 128	K	C
Code 39	M	A
Code 93	L	G
Code 32	M	A
Code 11	O	H
Codabar	N	F
Plessey	P	P
MSI/Plessey	a	M
Interleaved 2 of 5	l	l
IATA 2 of 5	Z	R
Matrix 2 of 5	G	X
Straight 2 of 5	S	S
Pharmacode	H	X
RSS 14	RS	e
RSS Expanded	RX	e
RSS Limited	RL	e
Composite CC-A	m	e
Composite CC-B	n	e
Composite CC-C	i	e
PDF417	r	L
Micro PDF417	s	L
Data Matrix	t	d
QR	u	Q
Micro QR	j	Q
Aztec	e	Z
MaxiCode	v	U



Enter Configuration

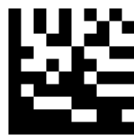


Exit Configuration

Function Key Mapping

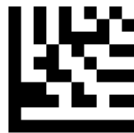


**Disable Function Key Mapping



Enable Function Key Mapping

Custom prefix for different types of barcodes



Add prefix to all types of barcodes



**Do not add prefix to types of barcodes

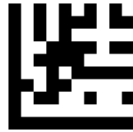


Enter Configuration



Exit Configuration

Configure prefix for UPC-A



Enable Prefix Configuration for UPC-A



Disable Prefix Configuration for UPC-A

Configure prefix for UPC-E



Enable Prefix configuration for UPC-E



Disable Prefix configuration for UPC-E

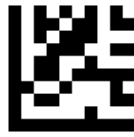


Enter Configuration

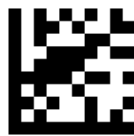


Exit Configuration

Configure prefix for EAN-8

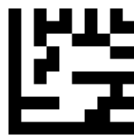


Enable Prefix Configuration for EAN-8



Disable Prefix Configuration for EAN-8

Configure prefix for EAN-13



Enable Prefix Configuration for EAN-13



Disable Prefix Configuration for EAN-13

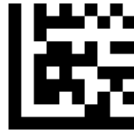


Enter Configuration



Exit Configuration

Configure prefix for Code128



Enable Prefix Configuration for Code128



Disable Prefix Configuration for Code128

Configure prefix for Code39



Enable Prefix Configuration for Code 39



Disable Prefix Configuration for Code 39



Enter Configuration



Exit Configuration

Configure prefix for Code93



Enable Prefix Configuration for Code 93



Disable Prefix Configuration for Code 93

Configure prefix for Code32



Enable Prefix Configuration for Code32



Disable Prefix Configuration for Code32



Enter Configuration



Exit Configuration

Configure prefix for Code11



Enable Prefix Configuration for Code 11



Disable Prefix Configuration for Code 11

Configure prefix for Codabar



Enable Prefix Configuration for Codabar



Disable Prefix Configuration for Codabar



Enter Configuration



Exit Configuration

Configure prefix for Plessey



Enable Prefix Configuration for Plessey



Disable Prefix Configuration for Plessey

Configure prefix for MSI Plessey



Enable Prefix Configuration for MSI Plessey



Disable Prefix Configuration for MSI Plessey

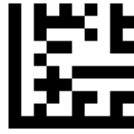


Enter Configuration



Exit Configuration

Configure prefix for Interleaved 2 of 5



Enable Prefix Configuration for Interleaved 2 of 5



Disable Prefix Configuration for Interleaved 2 of 5

Configure prefix for IATA 2 of 5



Enable Prefix Configuration for IATA 2 of 5



Disable Prefix Configuration for IATA 2 of 5



Enter Configuration



Exit Configuration

Configure prefix for Matrix 2 of 5



Enable Prefix Configuration for Matrix 2 of 5



Disable Prefix Configuration for Matrix 2 of 5

Configure prefix for Straight2 of 5



Enable Prefix Configuration for Straight2 of 5



Disable Prefix Configuration for Straight2 of 5



Enter Configuration



Exit Configuration

Configure prefix for Pharmacode



Enable Prefix Configuration for Pharmacode



Disable Prefix Configuration for Pharmacode

Configure prefix for RSS-14



Enable Prefix Configuration for RSS-14



Disable Prefix Configuration for RSS-14



Enter Configuration



Exit Configuration

Configure prefix for Composite Code A



Enable Prefix Configuration for Composite Code A



Disable Prefix Configuration for Composite Code A

Configure prefix for Composite Code B



Enable Prefix Configuration for Composite Code B



Disable Prefix Configuration for Composite Code B



Enter Configuration



Exit Configuration

Configure prefix for Composite Code C



Enable Prefix Configuration for Composite Code C



Disable Prefix Configuration for Composite Code C

Configure prefix for PDF417



Enable Prefix Configuration for PDF417



Disable Prefix Configuration for PDF417

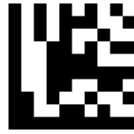


Enter Configuration

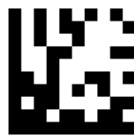


Exit Configuration

Configure prefix for Micro PDF417



Enable Prefix Configuration for Micro PDF417

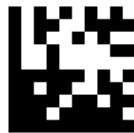


Disable Prefix Configuration for Micro PDF417

Configure prefix for Data Matrix



Enable Prefix Configuration for Data Matrix



Disable Prefix Configuration for Data Matrix

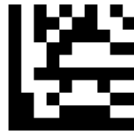


Enter Configuration



Exit Configuration

Configure prefix for QR



Enable Prefix Configuration for QR



Disable Prefix Configuration for QR

Configure prefix for Micro QR



Enable Prefix Configuration for Micro QR



Disable Prefix Configuration for Micro QR



Enter Configuration



Exit Configuration

Configure prefix for Aztec



Enable Prefix Configuration for Aztec



Disable Prefix Configuration for Aztec

Configure prefix for MaxiCode



Enable Prefix Configuration for MaxiCode



Disable Prefix Configuration for MaxiCode



Enter Configuration



Exit Configuration

Custom suffix for different types of barcodes



Add suffix to all types of barcodes



** Do not add suffix to all types of barcodes

Configure suffix for UPC-A



Enable Suffix Configuration for UPC-A



Disable Suffix Configuration for UPC-A



Enter Configuration



Exit Configuration

Configure suffix for UPC-E



Enable Suffix Configuration for UPC-E



Disable Suffix Configuration for UPC-E

Configure suffix for EAN-8



Enable Suffix Configuration for EAN-8



Disable Suffix Configuration for EAN-8



Enter Configuration



Exit Configuration

Configure suffix for EAN-13



Enable Suffix Configuration for EAN-13



Disable Suffix Configuration for EAN-13

Configure suffix for Code 128



Enable Suffix Configuration for Code128



Disable Suffix Configuration for Code128



Enter Configuration



Exit Configuration

Configure suffix for Code 39



Enable Suffix Configuration for Code 39



Disable Suffix Configuration for Code 39

Configure suffix for Code93



Enable Suffix Configuration for Code93



Disable Suffix Configuration for Code93.



Enter Configuration



Exit Configuration

Configure suffix for Code32



Enable Suffix Configuration for Code32



Disable Suffix Configuration for Code32

Configure suffix for Code11



Enable Suffix Configuration for Code11



Disable Suffix Configuration for Code11

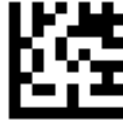


Enter Configuration

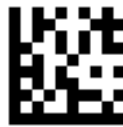


Exit Configuration

Configure suffix for Codabar



Enable Suffix Configuration for Codabar



Disable Suffix Configuration for Codabar

Configure suffix for Plessey



Enable Suffix Configuration for Plessey



Disable Suffix Configuration for Plessey



Enter Configuration



Exit Configuration

Configure suffix for MSI Plessey



Enable Suffix Configuration for MSI Plessey



Disable Suffix Configuration for MSI Plessey

Configure suffix for Interleaved 2 of 5



Enable Suffix Configuration for Interleaved 2 of 5



Disable Suffix Configuration for Interleaved 2 of 5



Enter Configuration



Exit Configuration

Configure suffix for IATA 2 of 5



Enable Suffix Configuration for IATA 2 of 5



Disable Suffix Configuration for IATA 2 of 5

Configure suffix for Matrix 2 of 5



Enable Suffix Configuration for Matrix 2 of 5



Disable Suffix Configuration for Matrix 2 of 5



Enter Configuration



Exit Configuration

Configure suffix for Straight 2 of 5



Enable Suffix Configuration for Straight 2 of 5



Disable Suffix Configuration for Straight 2 of 5

Configure suffix for Pharmacode



Enable Suffix Configuration for Pharmacode



Disable Suffix Configuration for Pharmacode



Enter Configuration



Exit Configuration

Configure suffix for RSS-14



Enable Suffix Configuration for RSS-14



Disable Suffix Configuration for RSS-14

Configure suffix for RSS-14 Expanded



Enable Suffix Configuration for RSS-14 Expanded



Disable Suffix Configuration for RSS-14 Expanded



Enter Configuration

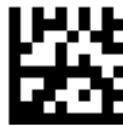


Exit Configuration

Configure suffix for RSS-14 Limited



Enable Suffix Configuration for RSS-14 Limited



Disable Suffix Configuration for RSS-14 Limited

Configure suffix for Composite Code A



Enable Suffix Configuration for Composite Code A



Disable Suffix Configuration for Composite Code A



Enter Configuration



Exit Configuration

Configure suffix for Composite Code B



Enable Suffix Configuration for Composite Code B



Disable Suffix Configuration for Composite Code B

Configure suffix for Composite Code C



Enable Suffix Configuration for Composite Code C



Disable Suffix Configuration for Composite Code C



Enter Configuration



Exit Configuration

Configure suffix for PDF417



Enable Suffix Configuration for PDF417



Diablo Suffix Configuration for PDF417

Configure suffix for Micro PDF417



Enable Suffix Configuration for Micro PDF417



Disable Suffix Configuration for Micro PDF417



Enter Configuration



Exit Configuration

Configure suffix for Data Matrix



Enable Suffix Configuration for Data Matrix



Disable Suffix Configuration for Data Matrix

Configure suffix for QR



Enable Suffix Configuration for QR



Disable Suffix Configuration for QR



Enter Configuration



Exit Configuration

Configure suffix for Micro QR



Enable Suffix Configuration for Micro QR



Disable Suffix Configuration for Micro QR

Configure suffix for Aztec



Enable Suffix Configuration for Aztec



Disable Suffix Configuration for Aztec



Enter Configuration



Exit Configuration

Configure suffix for Maxicode



Enable Suffix Configuration for MaxiCode



Enable Suffix Configuration for MaxiCode

ASCII Code Table



Insert



Delete



Enter Configuration



Exit Configuration



Home



End



Up arrow



Down arrow



Enter Configuration



Exit Configuration



Left arrow



Right arrow



TAB



Backspace



Enter Configuration



Exit Configuration



Shift



ESC



Page up



Page down



Enter Configuration



Exit Configuration



F1



F2



F3



F4



Enter Configuration



Exit Configuration



F5



F6



F7



F8



Enter Configuration



Exit Configuration



F9



F10



F11



F12



Enter Configuration



Exit Configuration



SPACE



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Enter Configuration



Exit Configuration



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Exit Configuration



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Enter Configuration



Exit Configuration



4



5



6



7



Enter Configuration



Exit Configuration



8



9



Enter Configuration



Exit Configuration

ASCII Code

Function Key



A

Ctrl+a



B

Ctrl+b



C

Ctrl+c



D

Ctrl+d



E

Ctrl+e



Enter Configuration



Exit Configuration



F

Ctrl+f



G

Ctrl+g



H

Ctrl+h



I

Ctrl+i



J

Ctrl+j



K

Ctrl+k



Enter Configuration



Exit Configuration



L

Ctrl+l



M

Ctrl+m



N

Ctrl+n



O

Ctrl+o



P

Ctrl+p



Q

Ctrl+q



Enter Configuration



Exit Configuration



R

Ctrl+r



S

Ctrl+s



T

Ctrl+t



U

Ctrl+u



V

Ctrl+v



W

Ctrl+w



Enter Configuration



Exit Configuration



X

Ctrl+x



Y

Ctrl+y



Z

Ctrl+z



a



b



Enter Configuration



Exit Configuration



c



d



e



f



g



Enter Configuration



Exit Configuration



h



i



j



k



l



Enter Configuration



Exit Configuration



m



n



o



p



q



Enter Configuration



Exit Configuration



r



s



t



u



v



Enter Configuration



Exit Configuration



W



X



Y



Z



Enter Configuration



Exit Configuration

Serial command

Sending and Receiving format and feedback messages

Command format: The following is the command transmission and receiving format

Length (1 Byte)	Source (1 Byte)	ExID (1 Byte)	ExCMD (1 Byte)	Data (MAX 32 Bytes)	High Byte of Checksum (1 Byte)	Low Byte of Checksum (1 Byte)
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Length : Data length without Checksum (minimum 5 bits; maximum 36 bits)

Source : 0x57 means the terminal sends to the decoder; or
0x52 means the decoder sends to the terminal

ExID : Command identifier

ExCMD : Command

Data (MAX 32 Bytes) : The setting code can be transmitted up to 32 Bytes at a time

High Byte of Checksum: Checksum high bit

Low Byte of Checksum: Checksum low bit

Checksum Calculation

Checksum = 0x10000 – [Length] – [Source] – [ExID] – [ExCMD] – [D1 + D2 +D3 +.....]

Feedback message: When the terminal sends a command to the device, the device will send back the following message so that the terminal can determine the success or failure of the command

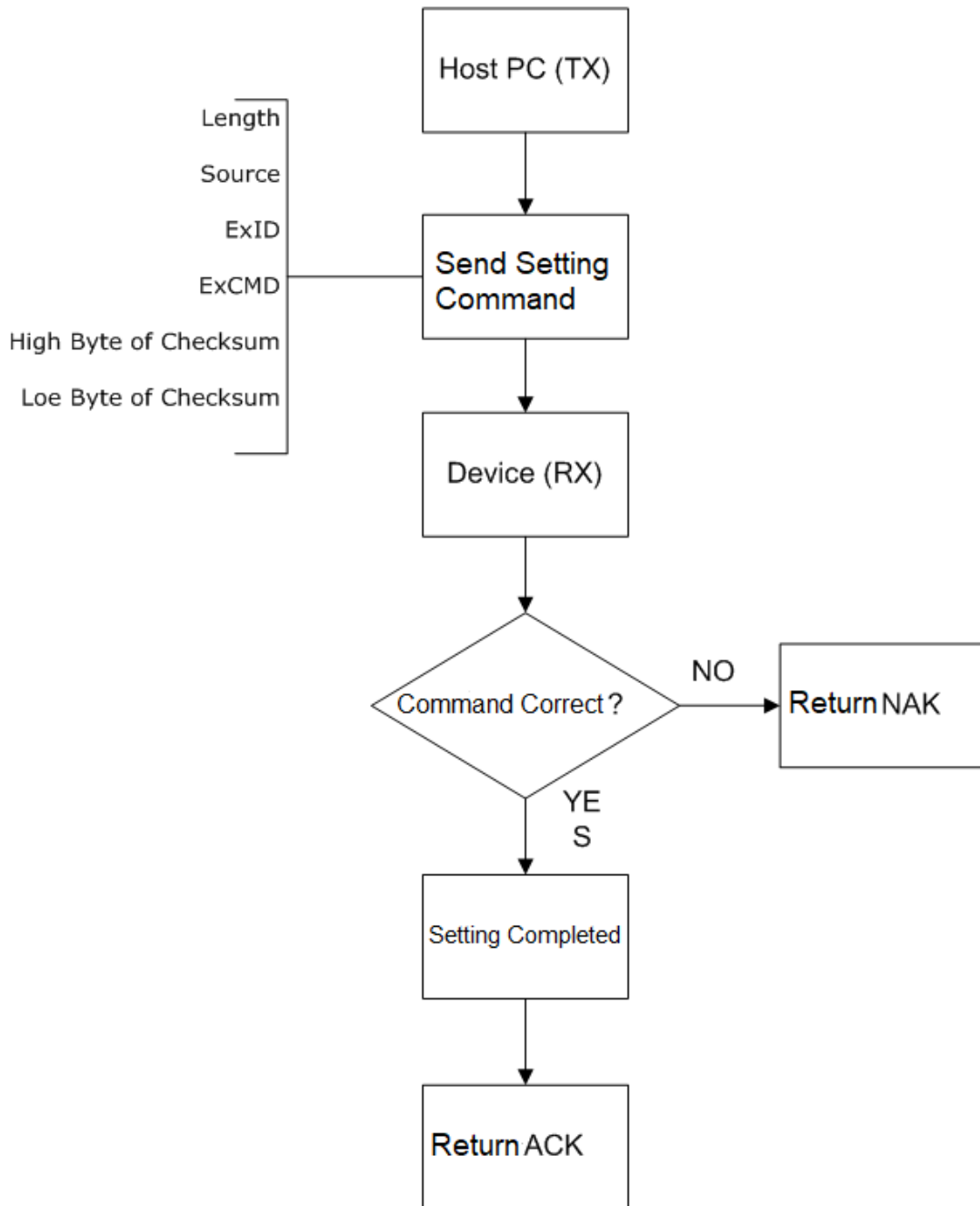
If the setting is successful, the following 5 bytes of hexadecimal data (ACK) are transmitted to the terminal in order.

52	A0	EC	FE	74
----	----	----	----	----

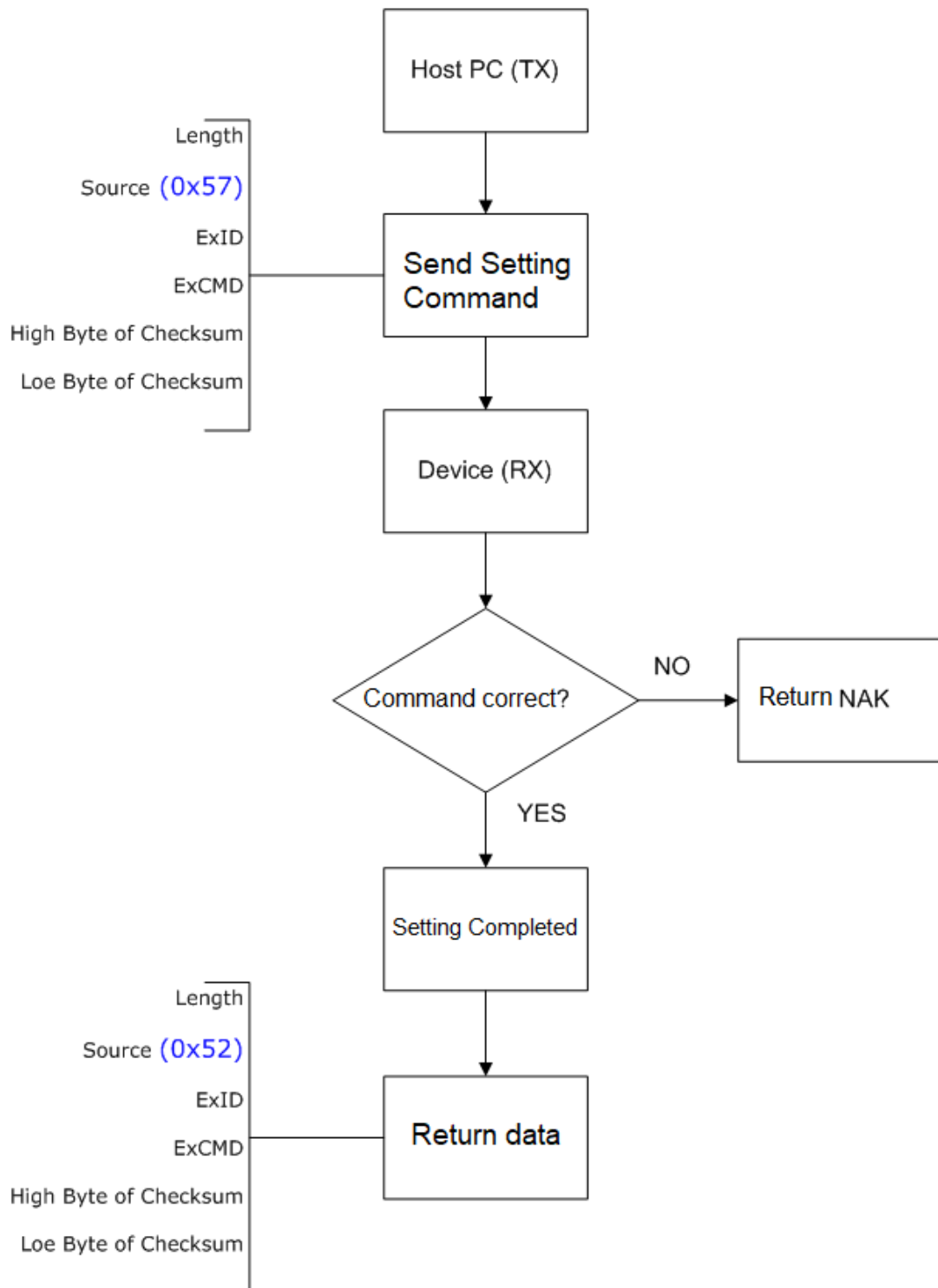
If the setting fails, send the following 5 bytes of hex data (NAK) to the terminal in order.

52	A0	E0	FE	80
----	----	----	----	----

Setup process



Reading process



Command Library

Function	Length	Source	ID	CMD	Data	CS(H)	CS(L)	
Check the comm. status	05	57	0E	0D	01	FF	88	
Read version	05	57	0E	0D	02	FF	87	
Read scan mode	05	57	0E	0D	03	FF	86	
Read scan status	05	57	0E	0D	04	FF	85	
Read decoded result	05	57	0E	0D	05	FF	84	
ACK response	Enable	05	57	A0	00	01	FF	03
	Disable	05	57	A0	00	00	FF	04
Scan control	Start scan	05	57	A0	01	01	FF	02
	Stop scan	05	57	A0	01	00	FF	03
Save setting	05	57	A0	08	01	FE	FB	
Reset to default	05	57	A1	01	0F	FE	F3	
Scan mode	Trigger	05	57	A1	02	01	FF	00
	Auto-sensing	05	57	A1	02	02	FE	FF
	Continuous	05	57	A1	02	03	FE	FE
Aiming light	Disable	05	57	A1	03	00	FF	00
	Always on when scan	05	57	A1	03	01	FE	FF
	Always on	05	57	A1	03	02	FE	FE

Function	Length	Source	ID	CMD	Data	CS(H)	CS(L)	
Fill light working mode	Disable	05	57	A1	04	00	FE	FF
	Always on when scan	05	57	A1	04	01	FE	FE
	Always on	05	57	A1	04	02	FE	FD
Buzzer	Enable	05	57	A1	05	0E	FE	F0
	Disable	05	57	A1	05	0D	FE	F1
Decoding time	Not limited	05	57	A1	06	01	FE	FC
	5 secs	05	57	A1	06	02	FE	FB
	10 secs	05	57	A1	06	03	FE	FA
Sleep mode	None	05	57	A1	07	01	FE	FB
	After 1 sec	05	57	A1	07	02	FE	FA
	After 2 secs	05	57	A1	07	03	FE	F9
	After 3 secs	05	57	A1	07	04	FE	F8
	After 5 secs	05	57	A1	07	05	FE	F7
	After 7 secs	05	57	A1	07	06	FE	F6
	After 10 secs	05	57	A1	07	07	FE	F5
After 15 secs	05	57	A1	07	08	FE	F4	

Function		Length	Source	ID	CMD	Data	CS(H)	CS(L)
Re-read interval	Disable	05	57	A1	08	00	FE	FB
	Don't read the same code	05	57	A1	08	01	FE	FA
	100 msec	05	57	A1	08	02	FE	F9
	200 msec	05	57	A1	08	03	FE	F8
	300 msec	05	57	A1	08	04	FE	F7
	500 msec	05	57	A1	08	05	FE	F6
	1 sec	05	57	A1	08	06	FE	F5
	2 sec	05	57	A1	08	07	FE	F4
	3 sec	05	57	A1	08	08	FE	F3
	4 sec	05	57	A1	08	09	FE	F2
	5 sec	05	57	A1	08	0A	FE	F1
Fill light intensity	Low	05	57	A1	09	01	FE	F9
	Medium	05	57	A1	09	02	FE	F8
	High	05	57	A1	09	03	FE	F7
Automatic induction sensitivity	Low	05	57	A1	0A	01	FE	F8
	Medium	05	57	A1	0A	02	FE	F7
	High	05	57	A1	0A	03	FE	F6

Function		Length	Source	ID	CMD	Data	CS(H)	CS(L)
Decoded data check	Disable	05	57	A1	0B	01	FE	F7
	Reading twice	05	57	A1	0B	02	FE	F6
	Reading three times	05	57	A1	0B	03	FE	F5
Decoded data	Enable	05	57	A2	01	0E	FE	F3
	Disable	05	57	A2	01	0D	FE	F4
Barcode identification code	Disable	05	57	A2	02	00	FF	00
	AIM ID	05	57	A2	02	01	FE	FF
	MEXXEN ID	05	57	A2	02	02	FE	FE
Terminator	None	05	57	A2	03	01	FE	FE

(Suffix)	CR/LF	05	57	A2	03	02	FE	FD
	CR	05	57	A2	03	03	FE	FC
	TAB	05	57	A2	03	04	FE	FB

Function		Length	Source	ID	CMD	Data	CS(H)	CS(L)
Enable all barcode reading		05	57	B0	01	0E	FE	E5
Only 1D barcode reading		05	57	B0	01	01	FE	F2
Only 2D barcode reading		05	57	B0	01	02	FE	F1
Disable 1D barcode		05	57	B0	01	03	FE	F0
Disable 2D barcode		05	57	B0	01	04	FE	EF
Disable all barcode reading		05	57	B0	01	0D	FE	E6
UPC/EAN 2/5 add-on code	Enable	05	57	B0	02	0E	FE	E4
	Disable	05	57	B0	02	0D	FE	E5
UPC A	Enable	05	57	B1	01	0E	FE	E4
	Disable	05	57	B1	01	0D	FE	E5
	Transmit first digit	05	57	B1	02	0E	FE	E3
	Not transmit first digit	05	57	B1	02	0D	FE	E4
	Enable check digit	05	57	B1	03	0E	FE	E2
	Disable check digit	05	57	B1	03	0D	FE	E3
	Enable EAN-13 conversion	05	57	B1	04	0E	FE	E1
	Disable EAN-13 conversion	05	57	B1	04	0D	FE	E2

Function		Length	Source	ID	CMD	Data	CS(H)	CS(L)
UPC E	Enable	05	57	B2	01	0E	FE	E3
	Disable	05	57	B2	01	0D	FE	E4
	Transmit first digit	05	57	B2	02	0E	FE	E2
	Not transmit first digit	05	57	B2	02	0D	FE	E3
	Enable check digit	05	57	B2	03	0E	FE	E1
	Disable check digit	05	57	B2	03	0D	FE	E2
	Enable UPC A conversion	05	57	B2	04	0E	FE	E0
	Disable UPC A conversion	05	57	B2	04	0D	FE	E1
EAN 8	Enable	05	57	B3	01	0E	FE	E2
	Disable	05	57	B3	01	0D	FE	E3
	Transmit first digit	05	57	B3	02	0E	FE	E1
	Not transmit first digit	05	57	B3	02	0D	FE	E2
	Enable EAN-13 conversion	05	57	B3	03	0E	FE	E0
	Disable EAN-13 conversion	05	57	B3	03	0D	FE	E1

Function		Length	Source	ID	CMD	Data	CS(H)	CS(L)
EAN 13	Enable	05	57	B4	01	0E	FE	E1
	Disable	05	57	B4	01	0D	FE	E2
	Transmit first digit	05	57	B4	02	0E	FE	E0
	Not transmit first digit	05	57	B4	02	0D	FE	E1
	Enable ISBN conversion	05	57	B4	03	0E	FE	DF
	Disable ISBN conversion	05	57	B4	03	0D	FE	E0
	Enable ISSN conversion	05	57	B4	04	0E	FE	DE
	Disable ISSN conversion	05	57	B4	04	0D	FE	DF
Code 128	Enable	05	57	B5	01	0E	FE	E0
	Disable	05	57	B5	01	0D	FE	E1

Code 39	Enable	05	57	B6	01	0E	FE	DF
	Disable	05	57	B6	01	0D	FE	E0
	Enable ASCII	05	57	B6	02	0E	FE	DE
	Disable ASCII	05	57	B6	02	0D	FE	DF
	Transmit start/stop character	05	57	B6	03	0E	FE	DD
	Not transmit start/stop character	05	57	B6	03	0D	FE	DE

Function		Length	Source	ID	CMD	Data	CS(H)	CS(L)
Code 39	No check	05	57	B6	04	01	FE	E9
	Check and transmit	05	57	B6	04	02	FE	E8
	Check but not transmit	05	57	B6	04	03	FE	E7
Code 93	Enable	05	57	B7	01	0E	FE	DE
	Disable	05	57	B7	01	0D	FE	DF
Code 32	Enable	05	57	B8	01	0E	FE	DD
	Disable	05	57	B8	01	0D	FE	DE
Code 11	Enable	05	57	B9	01	0E	FE	DC
	Disable	05	57	B9	01	0D	FE	DD
Codabar	Enable	05	57	BA	01	0E	FE	DB
	Disable	05	57	BA	01	0D	FE	DC
	No check	05	57	BA	02	01	FE	E7
	Check and transmit	05	57	BA	02	02	FE	E6
	Check but not transmit	05	57	BA	02	03	FE	E5
	Transmit start/stop character	05	57	BA	03	0E	FE	D9
	Not transmit start/stop character	05	57	BA	03	0D	FE	DA

Function		Length	Source	ID	CMD	Data	CS(H)	CS(L)
Plessey	Enable	05	57	BB	01	0E	FE	DA
	Disable	05	57	BB	01	0D	FE	DB
MSI Plessey	Enable	05	57	BC	01	0E	FE	D9
	Disable	05	57	BC	01	0D	FE	DA
	No check	05	57	BC	02	01	FE	E5
	Mod 10 check	05	57	BC	02	02	FE	E4
	Mod 10/10 check	05	57	BC	02	03	FE	E3
	Mod 11/10 check	05	57	BC	02	04	FE	E2
	Transmit check digit	05	57	BC	03	0E	FE	D7
	Not transmit check digit	05	57	BC	03	0D	FE	D8
Interleaved 2 of 5	Enable	05	57	BD	01	0E	FE	D8
	Disable	05	57	BD	01	0D	FE	D9
	No check	05	57	BD	02	01	FE	E4
	Check and transmit	05	57	BD	02	02	FE	E3
	Check but not transmit	05	57	BD	02	03	FE	E2

Function		Length	Source	ID	CMD	Data	CS(H)	CS(L)
IATA 2 of 5	Enable	05	57	BE	01	0E	FE	D7
	Disable	05	57	BE	01	0D	FE	D8
Matrix 2 of 5	Enable	05	57	BF	01	0E	FE	D6
	Disable	05	57	BF	01	0D	FE	D7
Straight 2 of 5	Enable	05	57	D0	01	0E	FE	C5
	Disable	05	57	D0	01	0D	FE	C6
Pharmacode	Enable	05	57	D1	01	0E	FE	C4
	Disable	05	57	D1	01	0D	FE	C5
GS1 DataBar 14	Enable	05	57	D2	01	0E	FE	C3
	Disable	05	57	D2	01	0D	FE	C4
GS1 DataBar 14 Stacked	Enable	05	57	D2	02	0E	FE	C2
	Disable	05	57	D2	02	0D	FE	C3
GS1 DataBar	Enable	05	57	D3	01	0E	FE	C2

Expanded	Disable	05	57	D3	01	0D	FE	C3
GS1 DataBar Expanded Stacked	Enable	05	57	D3	02	0E	FE	C1
	Disable	05	57	D3	02	0D	FE	C2

Function		Length	Source	ID	CMD	Data	CS(H)	CS(L)
GS1 DataBar Limited	Enable	05	57	D4	01	0E	FE	C1
	Disable	05	57	D4	01	0D	FE	C2
CC-A	Enable	05	57	D5	01	0E	FE	C0
	Disable	05	57	D5	01	0D	FE	C1
CC-B	Enable	05	57	D6	01	0E	FE	BF
	Disable	05	57	D6	01	0D	FE	C0
CC-C	Enable	05	57	D7	01	0E	FE	BE
	Disable	05	57	D7	01	0D	FE	BF
PDF 417	Enable	05	57	D8	01	0E	FE	BD
	Disable	05	57	D8	01	0D	FE	BE
Micro PDF 417	Enable	05	57	D9	01	0E	FE	BC
	Disable	05	57	D9	01	0D	FE	BD
Data Matrix	Enable	05	57	DA	01	0E	FE	BB
	Disable	05	57	DA	01	0D	FE	BC
Rectangular Data Matrix	Enable	05	57	DA	03	0E	FE	B9
	Disable	05	57	DA	03	0D	FE	BA

Function		Length	Source	ID	CMD	Data	CS(H)	CS(L)
QR	Enable	05	57	DB	01	0E	FE	BA
	Disable	05	57	DB	01	0D	FE	BB
Micro QR	Enable	05	57	DC	01	0E	FE	B9
	Disable	05	57	DC	01	0D	FE	BA
Aztec	Enable	05	57	DD	01	0E	FE	B8
	Disable	05	57	DD	01	0D	FE	B9
MaxiCode	Enable	05	57	DE	01	0E	FE	B7
	Disable	05	57	DE	01	0D	FE	B8