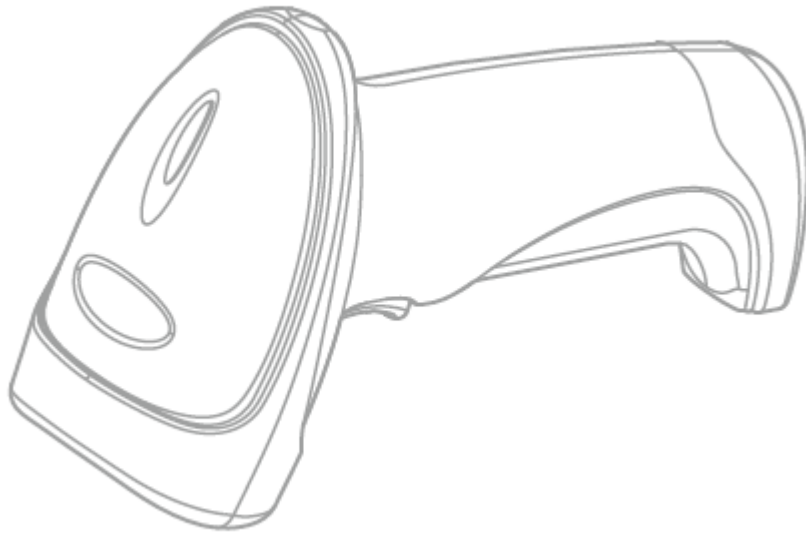


BCST-20

1D Barcode Scanner

User Manual



Note: This instruction manual applies to the products whose SN number starts with 0/1/2/3.

Contents

1.	Basic Settings	3
(1)	Factory Setting.....	3
(2)	Reveal Version Number.....	3
(3)	Num Lock	3
2.	Working Mode.....	3
(1)	Manual Mode	3
(2)	Consecutive Mode.....	4
(3)	Storage Mode.....	4
3.	Output Settings.....	4
(1)	Keyboard Language Settings.....	4
(2)	Hide & Replace Character Settings.....	6
(3)	Upper Case and Lower Case Settings.....	7
4.	How to Enable Barcodes	7
(1)	Code 39.....	7
(2)	Code 32.....	8
(3)	Code 93.....	9
(4)	Code 128.....	9
(5)	Code 11.....	9
(6)	Codabar	10
(7)	UPC-A	11
(8)	Convert UPC-A to EAN 13.....	11
(9)	UPC-E.....	11
(10)	Convert UPC-E to UPC-A.....	12
(11)	EAN 13.....	12
(12)	Convert EAN 13 to ISBN.....	12
(13)	EAN 8.....	12
(14)	EAN 2 or 5-digit Additional Character	13
(15)	Data Matrix.....	13
(16)	ITF-25.....	13
(17)	Industrial 25	14
(18)	Matrix 25	14
(19)	Postal 25.....	15
(20)	MSI.....	15
	Appendix I Character Comparison Chart.....	15

1. Basic Settings

(1) Factory Setting



Restore Factory

(2) Reveal Version Number



Reveal Version Number

(3) Num Lock



*Enable



Disable

2. Working Mode

(1) Manual Mode

1) Manual Trigger Mode

Under manual trigger mode, user needs to press the trigger of the barcode scanner in order to read barcodes. Barcode reading ends when the trigger is released. After a successful reading, or the single reading time surpasses the maximum time interval, the barcode reading will stop.



Manual Trigger Mode

2) Reading-delay Mode

When under the reading-delay mode, it takes 3 seconds by default for the barcode scanner to decode after user presses the trigger.



Reading-delay Mode



No reading-delay

(2) Consecutive Mode

Under the consecutive mode, the barcode scanner can read barcodes without manual triggering. The next barcode reading starts automatically when the barcode scanner reads a barcode successfully or the reading time surpasses its maximum time interval.



Auto Consecutive Scan



Auto Flash

(3) Storage Mode



Storage Mode



Auto Storage Mode

(automatically enabled when not in the effective transmission distance, all data will be stored in the buffer)



Reveal Qty of the Stored Barcodes



Reveal Qty of the Barcodes to Upload



Upload All Data and Clear Buffer



Upload All Data and Keep them in Buffer



Clear the Buffer



Enable Buzzer



Disable Buzzer

3. Output Settings

(1) Keyboard Language Settings

When the barcode scanner is recognized as a keyboard by the operating system, Some input characters differ in different countries. Due to that it is necessary to set keyboard language. The default one is American English.



America, China (English)
Factory Setting



Canada (French)



The Netherlands (Dutch)



Spain (Spanish-International)



Argentina (Latin American)



Brazil (Portuguese)



Denmark (Danish)



United Kingdom (English)



Italy (Italian142)



France (French)



Germany (German)



Norway (Northern Sami)



Sweden, Finland (Swedish, Finnish)



Slovakia (Slovak)



Portugal (Portuguese)



The Czech Republic (Czech)



Belgium (Dutch)



Turkey-F



Turkey-Q



Poland (Polish 214)



Sweden (German, French)



Croatia (Croatian)



Hungary (Hungarian)



Japan (Japanese)



Russia (Russian)



Egypt (Arabic)

(2) Hide & Replace Character Settings

To decode barcodes and hide/replace characters in its start, middle and end.

1) Barcode ID Settings



*Disable Barcode ID



Enable Start ID



Enable End ID

2) Hide Characters



Cancel Hiding Characters before Barcode



Cancel Hiding Characters in Barcode



Cancel Hiding Characters After Barcode



Hide Space Before Barcode



Hide Space in Barcode

Hide n after Barcode (n is non-space character)



Hide "-" in Barcode



Cancel Hiding End Character



Cancel Hiding Head Character



Cancel Hiding Middle Character



Hide End 5 Characters



Hide First 5 Characters



Hide Middle 5 Characters



Begin with the 4th Character



Hide the Last Character

3) Replace Characters



Cancel Replacing 0 with A



Enable Replacing 0 with A

(3) Upper Case and Lower Case Settings

When the output contains letters, user can set them all as upper or lower case through configuration.



Set as Upper Case



Set as Lower Case



*Disable Conversion



Upper/Lower Case Conversion

4. How to Enable Barcodes

(1) Code 39

1) Enable/Disable Code 39



*Enable code39



Disable code39



Code39 TAB Mode

2) Code 39 Full ASCII



*Enable Code39 FullASCII



Disable Code39 FullASCII

3) Code39 MOD43 Check



Enable Code39 MOD43 Check



*Disable Code39 MOD43 Check

4) Transmit Code 39 Check Digit



*Transmit Code 39 Check Digit



Do Not Transmit Code 39 Check Digit

5) Transmit Code 39 Start Character



*Disable Start Character of Code 39



Enable Code39 Start Character

(2) Code 32

1) Enable/Disable Code 32



*Disable code 32



Enable code 32

Note: It may affect Code 39.

2) Code 32 System Character



01961

Transmit Code32 System Character



01960

Hide Code32 System Character

(3) Code 93

1) Enable/Disable Code 93



*Enable Code93



Disable Code93

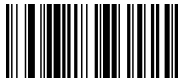
2) Code 93



*Enable Code93 MOD47



Disable Code93 MOD47



Set i as code93ID

(4) Code 128

1) Enable/Disable Code 128



*Enable Code128



Disable Code128



Set a as Code128ID

(5) Code 11

1) Enable/Disable Code 11



*Enable code11



Disable code11



Set u as Code11 ID

2) Code 11 C/CK Check



Code11 Auto CK Check



Code11 CK Check



Code11 C Check

(6) Codabar

1) Enable/Disable Codabar



*Enable Codabar



Disable Codabar



Set v as Codabar ID

2) Codebar Start/End Character



Enable Codabar Start/End Character



*Disable Codabar Start/End Character

(7) UPC-A

1) Enable/Disable UPC-A



Set e as UPC-A ID



00341

*Enable UPC-A



00340

Disable UPC-A



Do not Transmit UPCA Check Digit



Transmit UPCA Check Digit



*Do Not Hide UPC-A System Character



Hide UPC-A System Character

(8) Convert UPC-A to EAN 13



Enable Converting UPCA to EAN13



*Disable Converting UPC-A to EAN13

(9) UPC-E

1) Enable/Disable UPC-E



Set f as UPC-E ID



*Enable UPC-E



Disable UPC-E



Hide UPC-E System Character



Transmit UPC-E System Character



*Transmit UPC-E Check Digit



Do Not Transmit UPC-E Check Digit

(10) Convert UPC-E to UPC-A



Enable Converting UPC-E to UPC-A



*Disable Converting UPC-E to UPC-A

(11) EAN 13

1) Enable/Disable EAN 13



Set d as EAN13 ID



*Enable EAN13



Disable EAN13

2) Send EAN 13 Check



*Send EAN13 Check



Do Not Send EAN13 Check

(12) Convert EAN 13 to ISBN



01501

Enable Converting EAN13 to ISBN



01500

*Disable Converting EAN13 to ISBN

(13) EAN 8

1) Enable/Disable EAN 8



Set cas EAN 8 ID



*Enable EAN 8



Disable EAN 8



Hide EAN8 System Character



*Do Not Hide EAN8 System Character

2) Send EAN 8 Check



*Transmit EAN8 Check Digit



Do Not Transmit EAN8 Check Digit

(14) EAN 2 or 5-digit Additional Character



Enable 5-digit Additional Character



Enable 2-digit Additional Character



Disable Additional Character



Enable 2-digit and 5-digit Additional Character

(15) Data Matrix



*Direct Image Recognition



Reverse Image Recognition

(16) ITF-25

1) Enable/Disable ITF-25



Set n as Interleaved 2 of 5 ID



Enable Interleaved 2 of 5



Disable Interleaved 2 of 5

2) Transmit ITF-25 Check Digit



Enable ITF-25 Check



Disable ITF-25



Send ITF-25 Check



Do Not Send ITF-25 Check

(17) Industrial 25



Set o as Industrial 25 ID



*Enable Industrial 25



Disable Industrial 25

(18) Matrix 25



Set q as Matrix 25 ID



Disable Matrix 25



*Enable Matrix 25

(19) Postal 25



Set r as Postal 25 ID



Enable Postal 25



*Disable Postal 25

(20) MSI



Set s as MSI ID



Enable MSI Code



*Disable MSI Code

Appendix I Character Comparison Chart



SOH



ETX



ENQ



BEL



TAB



VT



STX



EOT



ACK



Backspace



Line Feed



FF



Enter



SI



DC1



DC3



NAK



ETB



EM



ESC



GS



US



!



#



%



^



SO



DLE



DC2



DC4



SYN



CAN



SUB



FS



RS



SPACE



"/



\$



&



(



)



+



-



/



1



3



5



7



9



;



=



?



A



C



*



'



.



0



2



4



6



8



:



<



>



@



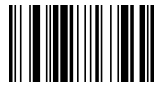
B



D



E



G



I



K



M



O



Q



S



U



W



Y



[



]



-



F



H



J



L



N



P



R



T



V



X



Z



\



^



`



a



c



e



g



i



k



m



o



q



s



u



w



y



{



b



d



f



h



j



l



n



p



r



t



v



x



z



|



}



Delete



F2



F4



F6



F8



F10



F12



HOME



Delete



Page down



Left arrow



Up arrow



~



F1



F3



F5



F7



F9



F11



INSERT



Page up



END



Right arrow



Down arrow