



EC-2D8380BT Image Scanner Programming Manual

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Quick-start

Restore defaults

Scan the “Restore Custom defaults”.



Restore Custom defaults



Write to Custom Defaults

Quick-start : 2.4G/433M

The factory has been matched and you can use it directly.

Matching Operation:

1, Press the button, the buzzer rang “Di-di-di” , the blue light is on, the scanner starts.

Note: In the 2.4g mode of the Bluetooth scanner , the light is green.

2, Plug the dongle, the blue light is on, the Dongle starts to work.

3, Please match the dongle and the scanner within 30 seconds!

4, Open a text, put the cursor in, Scan your barcode.



Match(match the scanner and the dongle)

Quick-start : Bluetooth

For Android、IOS

1, Press the button, the scanner starts, The red light flashing and the blue light is on which means in matching mode.

2, The Scanner name: “Scanner xxx”, xxx is 3 random Numbers.

3, Choose the scanner is going to pair with the host, When the connection is successful, the red light goes out and the blue light is on , the buzzer rang “Di-di”.

Recommending use 2.4G mode or wire-USB at the windows !

1, Switch the Bluetooth scanner to 2.4G mode, plug in the 2.4G-dongle, and scan the "Match" Barcode.

2, Use the USB-cable to connect the computer.

General Settings

Match and Network (2.4G, 433M)

Match:

Plug the dongle to your computer, the system will automatically install the driver, when it start to work , the blue light is always on, Match the scanner and the dongle by scan the “Match” Barcode.

(1) Matching successfully: the buzzer rang “ Di-da-di”, “Di-di-di”.

(2) Matching failed: the buzzer rang “ Di---en”.

If pairing fails, please unplug the dongle and try the matching operation again.

Network: One to one , More to one

One to one —one scanner to one dongle

1, Plug the dongle to your computer.

2, Scan the “Match” bar code to Match the dongle.

More to one —several scanners to one receiver.

If you have 3 scanners: scanner A, scanner B, scanner C.

- 1, Plug the dongle to your computer.
- 2, Match for the scanner A: A scan the “Match” Barcode.
- 3, Unplug the dongle and Plug the dongle again.
- 4, Match for the scanner B: B scan the “Match” Barcode.
- 5, Unplug the dongle and Plug the dongle again.
- 6, Match for the scanner C: C scan the “Match” Barcode.
- 7, After that ,3 scanners can transmit the data to the dongle.

At “More to one”, Which scanner is the data received?

You can set different prefix characters to distinguish which scanner uploads the data.

For example:

A scanner sets the prefix character “A”.

B scanner sets the prefix character “B”.

C scanner sets the prefix character “C”.

Working Mode

Two upload mode: Instant upload mode、storage mode.

Instant upload Mode

Instant upload data to your computer.



Instant upload Mode

(1) Upload successful: The status light flashed and the buzzer rang “Di”.

(2) Upload failed: The red light flashed and the buzzer rang “Di---en”.

If you receive upload-failed, Please confirm the match is successful.

If you receive upload-successful but no data, Please confirm the dongle in USB-HID mode.

Storage Mode

Scan and store barcode inside the scanner, and uploaded the data to your computer when you need it.



Storage Mode

Note: Instant upload mode and storage mode, the sound of reading barcode is different.

 Show total storage (Show total number of memory)	 Upload Data (Upload Data to your computer)
 Zero clearing (Clear all data in memory, Please use it with caution)	

1, Save successful: The status light flashed and the buzzer rang “Di-en”.

2, Save failed: The red light flashed and the buzzer range “Di---en”, This indicates that there was not enough memory to save the bar code. Please upload the saved bar code by scanning “Upload Date” and then clear the Memory by scanning “Zero cleaning”.

3, Upload completed: the buzzer rang “Di-do-en”.

Transmission speed

HID-speed

Set the delay between each character, the range of 00-99 can be set. the larger the value, the slower.

 No delay	 HID-speed 5	 HID-speed 10
 HID-speed 15	 HID-speed 20	 HID-speed 30

		
1, In 2.4G or 433M mode, this parameter is stored in the dongle and defaults is "No delay". When there is no matching dongle, scanning this setting code is invalid. 2, In Bluetooth mode, this parameter is stored in the scanner, the default is "HID-speed 30". 3, In Bluetooth mode, If the data is lost, please set a slower HID speed.		

Upload speed

For storage mode, set the time delay between each barcode, the range of 001-255 can be set. the larger the value, the slower, the defaults is "010".

Interface setup

Suitable for wired scanner, Dongle, Base.

		
Note1: It supports 25 languages in USB-HID mode, Please refer to appendix 3.		
Note2: Dongle and wired-USB mode support USB-HID, USB -COM.		
Note3: In use, no data is uploaded . It may be set to USB-COM or TTL/RS232.		

Dongle indicator light

- (1) Blue LED always on means the dongle is normal.
- (2) Blue LED flashing means the dongle is broken or the USB port is bad.

Base indicator light

- (1) Blue LED always on indicates that the dongle is normal.
- (2) Blue LED flashing means the dongle is broken or the USB port is bad.
- (3) Green LED always on means the base and scanner are in good contact.

Power and Standby



Battery Reserve (show battery level)

Shutdown time setting	
	
	
	

There are 2 setting codes set for Not shutdown.

		
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Battery level indication

- 1, The scanner starts, when the buzzer rang "Di-di-di" and the blue light is on with no red light flashing, it indicates that the battery is sufficient.

- 2, The scanner starts, when the buzzer rang "Di-di-di" and the blue light is on with the red light flashes three times, it indicates that the battery less than 20%, please charge the scanner as soon as possible.
- 3, The scanner starts, when the buzzer rang "Di-di-di" and the blue light is on with the red light flashes three times, it indicates that the battery less than 5%, The scanner enters the low battery protection mode. Please charge the scanner at least for 30 minutes.
- 4, Press the button, the scanner does not respond. Please charge the scanner at least for 30 minutes. If the scanner still cannot start, this indicates that the battery is broken and needs to be replaced.

LED tips during charging

Plugged the USB cable into the USB port of computer.

1, Charging mode: the status light is on with the red light flashing.

2, Charging completed: the status light is on and the red light goes out.

3, Micro-current charging: the status light off and the red light flashing, this is battery protection phase, please do not use it in this condition.

Bluetooth- Setup

1, Bluetooth scanner has three modes: Bluetooth, 2.4G, Wire.

2, The default mode of the scanner is Bluetooth mode.

Press the button, the buzzer rang "Di-di-di", The red light flashing and the blue light is on which means in matching mode, the green light is on which means in 2.4G mode,

Bluetooth/2.4G Switch operation

1: Press the button for 10seconds, 2: Scan the settings barcode.

Bluetooth-mode	2.4G-mode*

Switch process description

In Bluetooth mode, Press and hold the button for 10seconds, the buzzer rang " Di-da-di", "DI-di-di". Means that the switching operation is complete. Release the button, The green light is on which means the scanner successfully switches to 2.4G-mode.

In 2.4G mode, Press and hold the button for 10seconds, the buzzer rang " Di-da-di", "DI-di-di". Means that the switching operation is complete, Release the button, The blue light is on which means the scanner successfully switches to Bluetooth-mode.

Bluetooth Mode		
IOS keyboard		
		Show/hide IOS keyboard
Note: Scan this barcode to show/hide the keyboard in IOS		
		Bluetooth connection settings
Off connection	Connection initialization	

Buzzer setup

Sound settings		



Setup code sound-ON*



Setup code sound-OFF*

End character

End character is used to mark the end of a barcode data.



CR *



LF



Tab



CR+LF



None

Capital & Lowercase

Swap capital/lowercase



All lowercase



All capital



Don't convert *

Barcode Reading function**ID, ON/OFF, Min-digits**

Barcode-ID:

The scanner defines ID characters for each type of barcode, we can use the Code ID prefix to identify the barcode type.



Send ID-OFF *



Send ID-ON

No.	Barcode-ID	Barcode type
1	a	UPC-A, UPC-E, EAN-8, EAN-13
2	b	Code 39, Code 32
3	c	Coda bar
4	d	Code 128
5	e	Code 93
6	f	Interleaved 2 of 5
7	g	Discrete 2 of 5
8	h	CODE11
9	i	MSI
11	j	GS1-DataBar, /UCC/EAN-128
12	k	Bookland EAN, Bookland EAN/ISBN
13	l	Trioptic Code 39
14	m	Coupon Code
15	n	GS1DataBar-14, GS1DataBarLimited, GS1DataBar Expanded, RSS
16	o	SETUP128
17	p	PDF417
18	q	Data Matrix(DM)
19	r	QR
20	s	Aztec Code
21	t	Maxi Code
22	u	Veri Code
23	v	HanXin

Minimum digits:

In order to prevent error codes, the scanner sets the minimum number of digits for barcode reading, Bar codes less than the default minimum digit are not readable.

Duplicate barcode upload Setup

For a period of time, the same barcode is not allowed to be read continuously to avoid repeated upload.

	Duplicate detection-OFF* (upload duplicate barcode)		Duplicate detection-ON (Unable to upload duplicate barcode)
	Duplicate detection 1 S		Duplicate detection 5 S
	Duplicate detection 10 S		Duplicate detection 25 S

For example: Set the "Duplicate detection 5 S".

After scanning A bar code, the scanning A bar code will not be uploaded within 5 seconds, and it will be handled as upload failure, Scan other barcodes and then scan A barcode to upload.

Barcode Parameter Settings

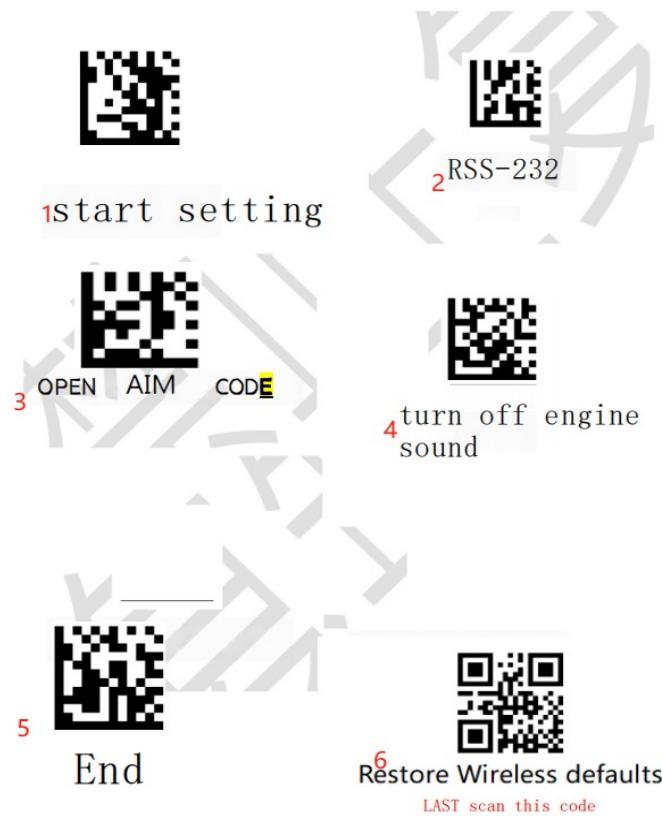
Contents

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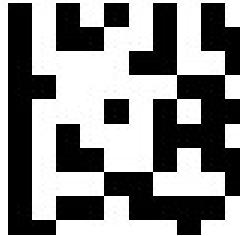
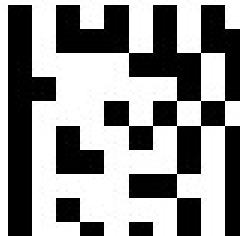
Factory Default

	Set	
	Factory default settings	%++%
	End	

Note !!!! The wireless scanner should be set default as follow **1-6**



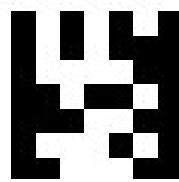
Customer's Factory Default

	Set	
	Save customer's factory default	%C++D%
	Delete customer's factory default	%C--D%
	End	

Scan Mode

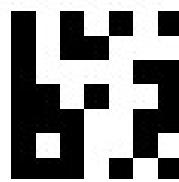


Set



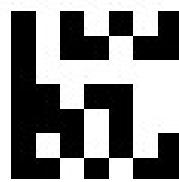
Handheld Mode

MD01



Hands Free Mode

MD02



Continue Scan

MD03



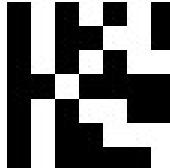
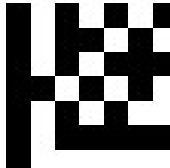
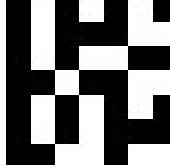
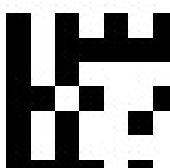
End

Continue Scan

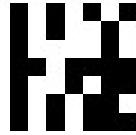
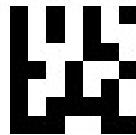
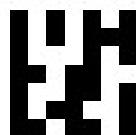
Standby Time

	Set	
	Disable	ST0
	5 minutes	ST1
	10 minutes	ST2
	End	

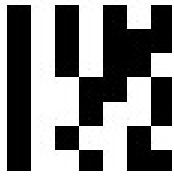
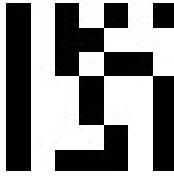
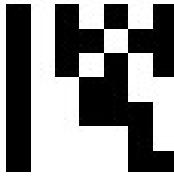
Standby Time

	Set	
	15 minutes	ST3
	20 minutes	ST4
	25 minutes	ST5
	30 minutes	ST6
	End	

Delay Time for Same Code

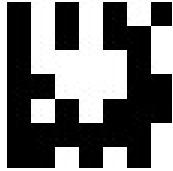
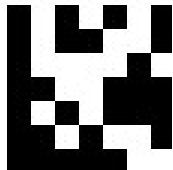
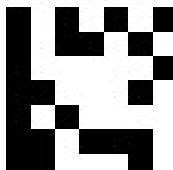
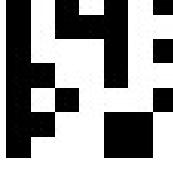
		Set
	200 msec	SD0
	250 msec	SD1
	300 msec	SD2
		End

Interface

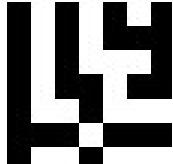
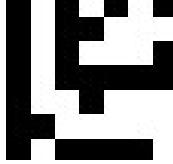
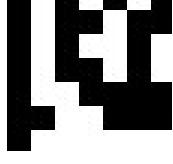
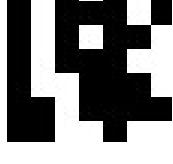
	Set	
	RS232	OP01
	USB Keyboard	OP02
	USB Virtual COM Port	OP03
	End	

Terminal Character

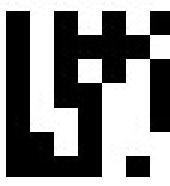
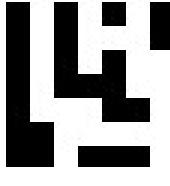
	Set
--	------------

		
	None	TC01
	CR/LF	TC02
	CR	TC03
	TAB	TC04
	End	

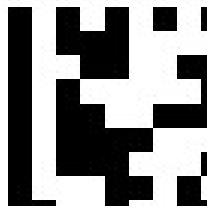
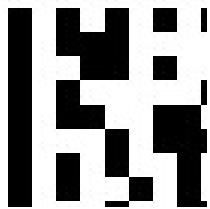
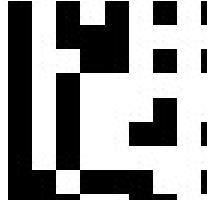
RS232 Baud Rate

	Set	
	9600	BR01
	19200	BR02
	38400	BR03
	57600	BR04
	End	

RS232 Baud Rate

	Set	
	115200	BR05
	230400	BR06
	End	

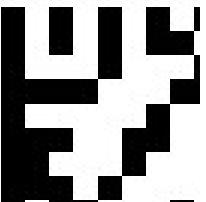
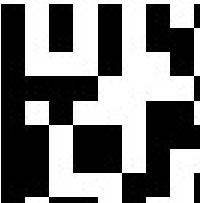
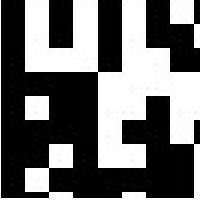
Aiming Pattern

	Set
	On
	Always On
	Off
	End

Illumination

	Set
	On
	Always On
	Off
	End

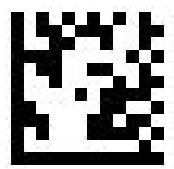
Good Read Beep Frequency

	Set
	Low
	Medium
	High
	End

Voice

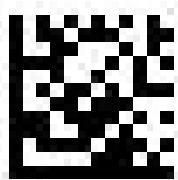


Set



Enable voice

%+VOC%



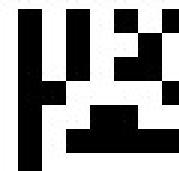
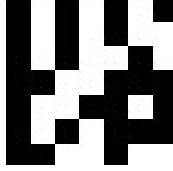
Disable voice

%-VOC%



End

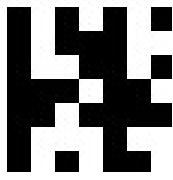
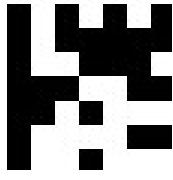
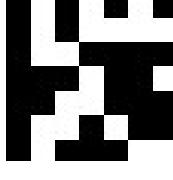
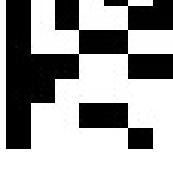
Keyboard Caps Lock State

	Set	
	Caps Lock Off	CS0
	Caps Lock On	CS1
	End	

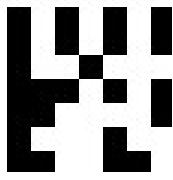
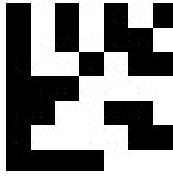
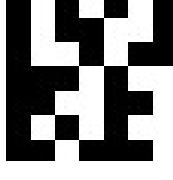
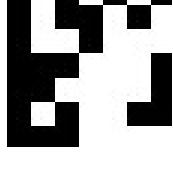
Country Mode

	Set	
	U.S.	KM00
	Belgium	KM01
	Britain	KM02
	Denmark	KM03
	End	

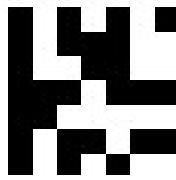
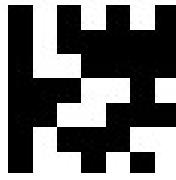
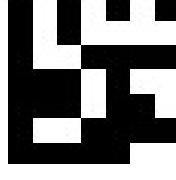
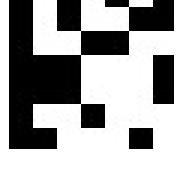
Country Mode

	Set	
	France	KM04
	Germany	KM05
	Italy	KM06
	Norway	KM07
	End	

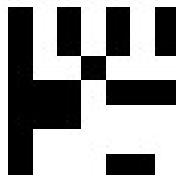
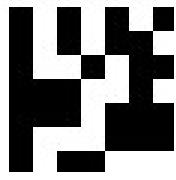
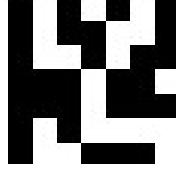
Country Mode

	Set	
	Portugal	KM08
	Spain	KM09
	Sweden	KM10
	Switzerland	KM11
	End	

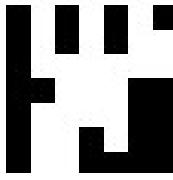
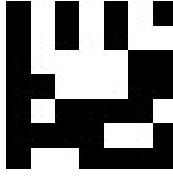
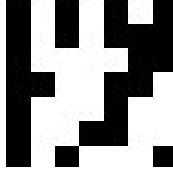
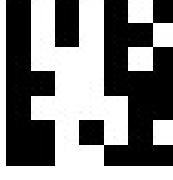
Country Mode

	Set	
	Japan	KM12
	Hungary	KM13
	Czech Republic	KM14
	Slovakia	KM15
	End	

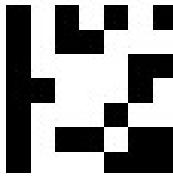
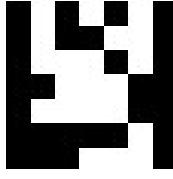
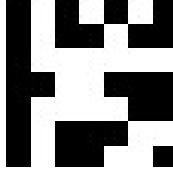
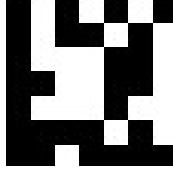
Country Mode

	Set	
	Romania	KM16
	Croatia	KM17
	Poland	KM18
	End	

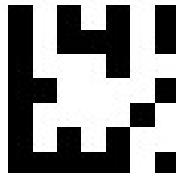
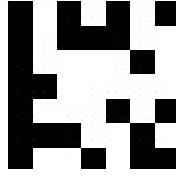
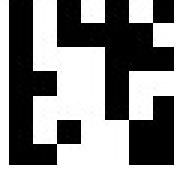
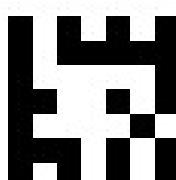
Readable Codes

	Set	
	Enable All	EC00
	Default	FC00
	Enable UPC-A	EC01
	Disable UPC-A	DC01
	End	

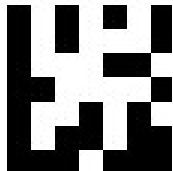
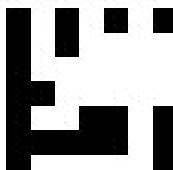
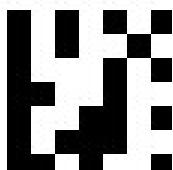
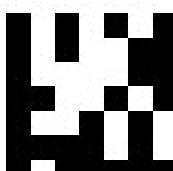
Readable Codes

	Set	
	Enable UPC-E	EC02
	Disable UPC-E	DC02
	Enable EAN 8	EC03
	Disable EAN 8	DC03
	End	

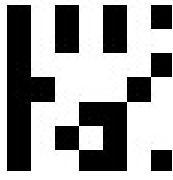
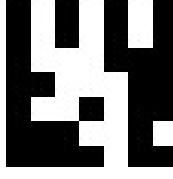
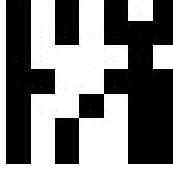
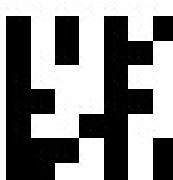
Readable Codes

	Set	
	Enable EAN 13	EC04
	Disable EAN 13	DC04
	Enable Code 128	EC05
	Disable Code 128	DC05
	End	

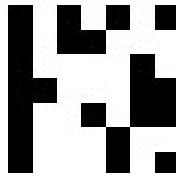
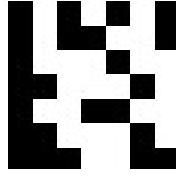
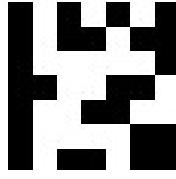
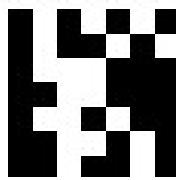
Readable Codes

	Set	
	Enable Code 39	EC06
	Disable Code 39	DC06
	Enable Code 93	EC07
	Disable Code 93	DC07
	End	

Readable Codes

	Set	
	Enable Code 32	EC08
	Disable Code 32	DC08
	Enable Code 11	EC09
	Disable Code 11	DC09
	End	

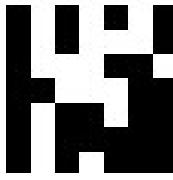
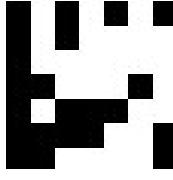
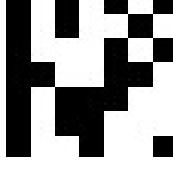
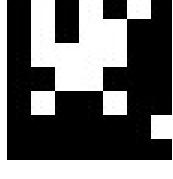
Readable Codes

	Set	
	Enable Codabar	EC10
	Disable Codabar	DC10
	Enable Plessey	EC11
	Disable Plessey	DC11
	End	

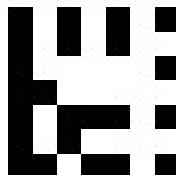
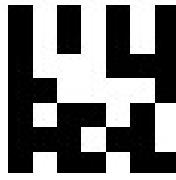
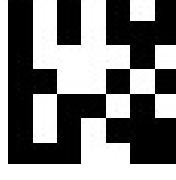
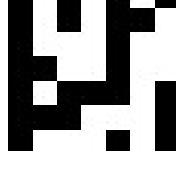
Readable Codes

	Set	
	Enable MSI/ Plessey	EC12
	Disable MSI/ Plessey	DC12
	Enable Interleaved 2 of 5	EC13
	Disable Interleaved 2 of 5	DC13
	End	

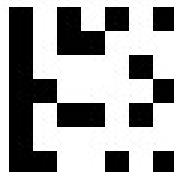
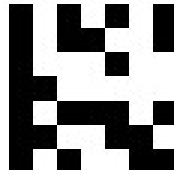
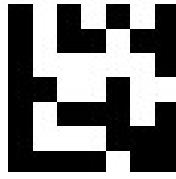
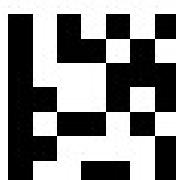
Readable Codes

	Set	
	Enable IATA 2 of 5	EC14
	Disable IATA 2 of 5	DC14
	Enable Matrix 2 of 5	EC15
	Disable Matrix 2 of 5	DC15
	End	

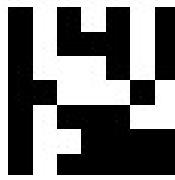
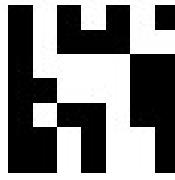
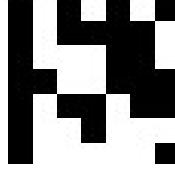
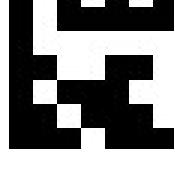
Readable Codes

	Set	
	Enable Straight 2 of 5	EC16
	Disable Straight 2 of 5	DC16
	Enable Pharmacode	EC17
	Disable Pharmacode	DC17
	End	

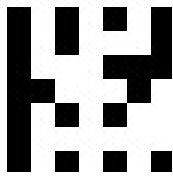
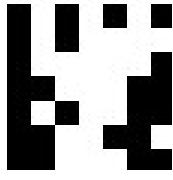
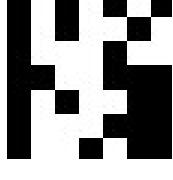
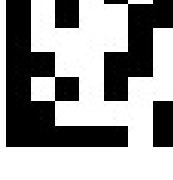
Readable Codes

	Set	
	Enable RSS 14	EC18
	Disable RSS 14	DC18
	Enable RSS Expanded	EC19
	Disable RSS Expanded	DC19
	End	

Readable Codes

	Set	
	Enable RSS Limited	EC20
	Disable RSS Limited	DC20
	Enable Component CC-A	EC21
	Disable Component CC-A	DC21
	End	

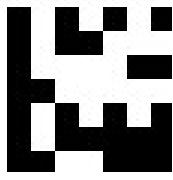
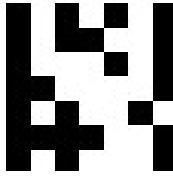
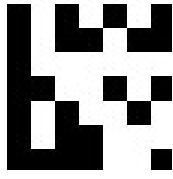
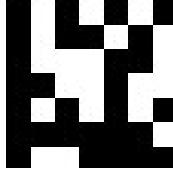
Readable Codes

	Set	
	Enable Ccomponent CC-B	EC22
	Disable Ccomponent CC-B	DC22
	Enable Ccomponent CC-C	EC23
	Disable Ccomponent CC-C	DC23
	End	

Readable Codes

	Set	
	Enable PDF417	EC24
	Disable PDF417	DC24
	Enable Micro PDF417	EC25
	Disable Micro PDF417	DC25
	End	

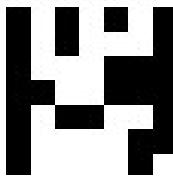
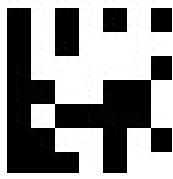
Readable Codes

	Set	
	Enable Data Matrix	EC26
	Disable Data Matrix	DC26
	Enable QR	EC27
	Disable QR	DC27
	End	

Readable Codes

	Set	
	Enable Micro QR	EC28
	Disable Micro QR	DC28
	Enable Aztec	EC29
	Disable Aztec	DC29
	End	

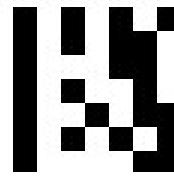
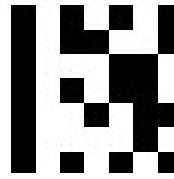
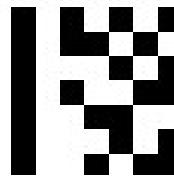
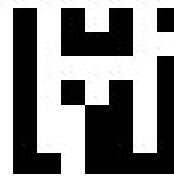
Readable Codes

	Set	
	Enable MaxiCode	EC30
	Disable MaxiCode	DC30
	End	

UPC / EAN

	Set	
	Enable decoding of 2/5-digit supplemental code for UPC-A, UPC-E, EAN-13, and EAN-8	UN01
	Disable decoding of 2/5-digit supplemental code for UPC-A, UPC-E, EAN-13, and EAN-8	UN02
	End	

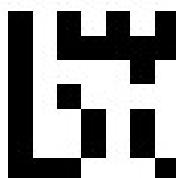
UPC-A

	Set	
	Enable UPC-A Number System digit	UA01
	Disable UPC-A Number System digit	UA02
	Enable UPC-A check digit.	UA03
	Disable UPC-A check digit	UA04
	End	

UPC-A

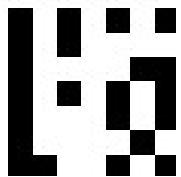


Set



Enable conversion of UPC-A to
EAN13

UA05



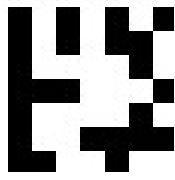
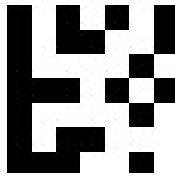
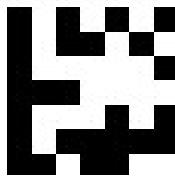
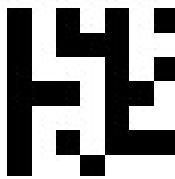
**Disable conversion of UPC-A to
EAN13**

UA06

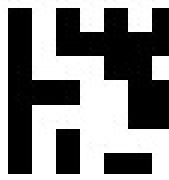
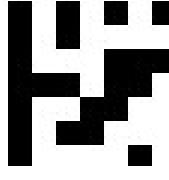


End

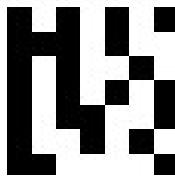
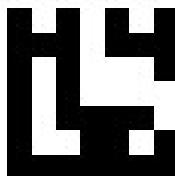
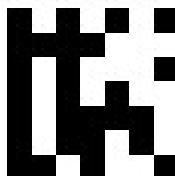
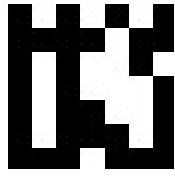
UPC-E

	Set	
	Enable UPC-E Number System digit	UE01
	Disable UPC-E Number System digit	UE02
	Enable UPC-E check digit	UE03
	Disable UPC-E check digit	UE04
	End	

UPC-E

	Set	
	Enable conversion of UPC-E to UPC-A	UE05
	Disable conversion of UPC-E to UPC-A	UE06
	End	

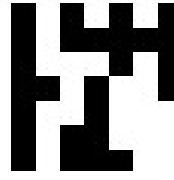
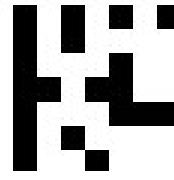
EAN 8

	Set	
	Enable EAN 8 check digit	E801
	Disable EAN 8 check digit	E802
	Enable conversion of EAN 8 to EAN 13	E803
	Disable conversion of EAN 8 to EAN 13	E804
	End	

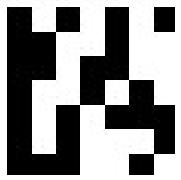
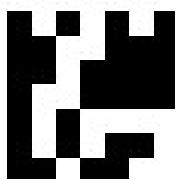
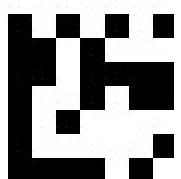
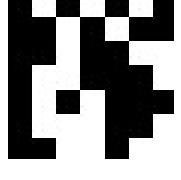
EAN 13

	Set	
	Enable EAN 13 check digit	ED01
	Disable EAN 13 check digit	ED02
	Enable conversion of EAN 13 to ISBN	ED03
	Disable conversion of EAN 13 to ISBN	ED04
	End	

EAN 13

	Set	
	Enable conversion of EAN 13 to ISSN	ED05
	Disable conversion of EAN 13 to ISSN	ED06
	End	

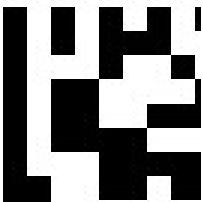
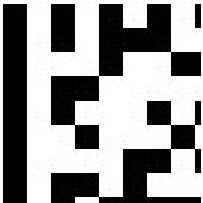
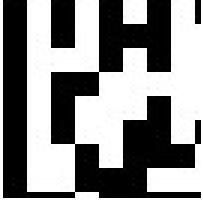
Code 39

	Set	
	Enable Code 39 full ASCII mode	C39a
	Disable Code 39 full ASCII mode	C39b
	Enable Start and Stop characters	C39c
	Disable Start and Stop characters	C39d
	End	

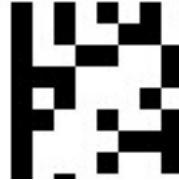
Code 39

	Set	
	Disable Checksum	C39e
	Enable checksum and send check character	C39f
	Enable checksum and strip check character	C39g
	End	

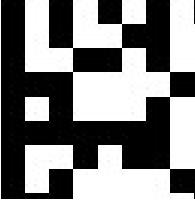
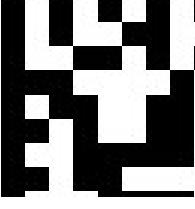
Codabar

	Set	
	Disable Checksum	CBRa
	Enable checksum and send check character	CBRb
	Enable checksum and strip check character	CBRc
	End	

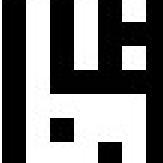
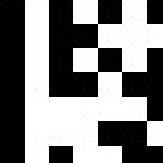
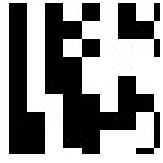
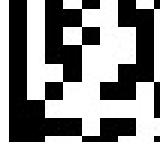
Data Matrix

	Set	
	Enable mirror decoding	DMXa
	Disable mirror decoding	DMXb
	End	

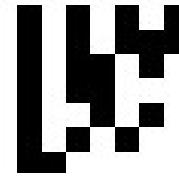
Data Matrix

	Set	
	Enable rectangular Data Matrix decoding	DMXc
	Disable rectangular Data Matrix decoding	DMXd
	End	

QR / Micro QR

	Set	
	Enable mirror decoding	QR01
	Disable mirror decoding	QR02
	UTF8 conversion for word only	QRC0
	Universal UTF8 conversion	QRC1
	End	

Aztec

	Set	
	Enable mirror decoding	AZ01
	Disable mirror decoding	AZ02
	End	

AIM ID Table :

Symbology	AIM	Default enable
UPC-A	E	*
UPC-E	E	*
EAN 8	E	*
EAN 13	E	*
Code 128	C	*
Code 39	A	*
Code 93	G	*
Code 32	X	
Code 11	H	
Codabar	F	*
Plessey	P	
MSI / Plessey	M	
Interleaved 2 of 5	I	*
IATA 2 of 5	R	
Matrix 2 of 5	X	
Straight 2 of 5	S	
Pharmacode	X	
RSS 14	e	*
RSS Expanded	e	*
RSS Limited	e	*
Component CC-A	e	

Component CC-B	e	
Component CC-C	e	
PDF417	L	*
Micro PDF417	L	*
Data Matrix	d	*
QR	Q	*
Micro QR	Q	*
Aztec	Z	
MaxiCode	U	

Data editing

Relevant setting barcode

 Insert Characters	 Delete characters	
Barcode types(Barcode data: 068000-068018)		
 @0800@ All barcode types	 @08001@ UPC&EAN	 @08002@ Code39
 @08003@ Coda bar	 @08004@ Code128	 @08005@ Code93
 @08006@ Interleaved 2 of 5	 @08008@ Code11	 @08009@ MSI
 @08015@ GS1-Databar	 @08017@ PDF417	 @08018@ Data Matrix
 @08019@ QR	 @08020@ Aztec Code	 @08021@ Maxi Code
Do not scan = All barcode types.		
Set save location (Barcode data: 068100-068107)		
(Different group Settings can take effect at the same time)		
 @08100@ Group 1	 @08101@ Group 2	 @08102@ Group 3
 @08103@ Group 4	 @08104@ Group 5	 @08105@ Group 6
 @08106@ Group 7	 @08107@ Group 8	Do not scan = Group 1
Edit location		
 Before barcode	From which place to start? Setup by barcode in "ASCII Barcode Table".	 After barcode
Save to take effect		
 Save Settings	 Clear settings	

Example: Insert character

In the process of setting, scan the irrelevant barcode, the scanner will exit setting status.

Please scan in order 1,2,3, ...

Example: Code128=123456789



	Insert Ab before	Insert Cd from the third	Insert Ef after
1		 Insert Characters	
2		 @08000@ All barcode types (Omit this step, default all barcode types)	
3		 @08100@ Group 1 (Omit this step, default Group 1)	
4	 Before barcode	 @09003@ 003 ETX	 After barcode
5	 @09065@ 065 A	 @09067@ 067 C	 @09069@ 069 E
6	 @09098@ 098 b	 @09100@ 100 d	 @09102@ 102 f
	Each group can insert within 10 characters		
7		 Save Settings	
	Setup result		
	Ab123456789	123Cd456789	123456789Ef
	Clear insert character setting, Please scan in order 1,2.	 1, Insert Characters	 2, Clear settings

1, set different bar code type, make this setting to this kind of barcode is effective.

2, set different group, make different Settings take effect at the same time

Example: Delete character

In the process of setting, scan the irrelevant barcode, the scanner will exit setting status.

Please scan in order 1,2,3, ...

Example: Code128=123456789



	Delete 1 bit before	Delete 3 bit from the third	Delete 3 bit after
1		 Delete characters	
2		 @08000@ All barcode types (Omit this step, default all barcode types)	
3		 @08100@ Group 1 (Omit this step, default Group 1)	
4	 Before barcode	 @09003@ 003 ETX	 After barcode
5	 @09001@ 001 SOH	 @09002@ 002 STX	 @09003@ 003 ETX

6		Save Settings
Setup result		
23456789	1236789 	123456 
Clear delete character setting, Please scan in order 1,2.	1, Delete characters	2, Clear settings

1, set different bar code type, make this setting to this kind of bar code is effective.

2, set different group, make different Settings take effect at the same time.

Quick delete character

	Delete 1 bit before		Delete 1 bit after
	Delete 2 bit before		Delete 2 bit after
	Delete 3 bit before		Delete 3 bit after
	Delete 4 bit before		Delete 4 bit after
	Delete 2 bit from the third		Delete 2 bit from the fourth
			Clear Quick delete character Settings

Quick insert character

	Insert A before		Insert A after
	Insert A from the second		Insert AB from the third
			

Quick replaces character

	'A' replaces '1'		"AB replaces '1'
			

Time system

Only for the wireless series

Time setting and examples

	Output time		Set Year Month Day
	Set Hour Minute Second		Save settings

Examples

step	Set Y.M.D-20.06.10
1	
2	 @09002@ 002 STX
3	 @09000@ 000 NUL/SP
4	 @09000@ 000 NUL/SP
5	 @09006@ 006 ACK
6	 @09001@ 001 SOH
7	 @09000@ 000 NUL/SP
8	

step	Set H:M:S-16:34:30
1	
2	 @09001@ 001 SOH
3	 @09006@ 006 ACK
4	 @09003@ 003 ETX
5	 @09004@ 004 EOT
6	 @09003@ 003 ETX
7	 @09000@ 000 NUL/SP
8	

Date format

	default:2020.06.10		American:06.10.2020		British:10.06.2020
			Date delimiter character "/"		

Time output and examples

Time-prefix/suffix

		
Time-prefix/suffix -OFF*	Time-prefix	Time-suffix

Insert time by data editing

Replace time with a key combination (NUL+SOH)

	
NUL+SOH=Time-OFF	NUL+SOH=Time-ON*

Example-Insert Time

In the process of setting, scan the irrelevant barcode, the scanner will exit setting status.

Example: Code128=123456789

	Before barcode	From the third	After barcode
1		 Insert Characters	
2		 All barcode types (Omit this step, default all barcode types)	
3		 Group 1 (Omit this step, default Group 1)	
4		 003 ETX	
5		 000 NUL/SP	
6		 001 SOH	
7			
Setup result			
Time123456789	123Time456789	123456789Time	
Clear insert character setting, Please scan in order 1,2.			

LED description

1, Wired scanner: Green light.

Green: Always on when working, Turn off when reading.

2, 2.4G wireless scanner: Blue + Red light.

Blue: Always on when working, Turn off when reading.

Red: Low power indicator, charging breathing light.

3, 433M wireless scanner: Blue + Red light.

Blue: Always on when working, Turn off when reading.

Red: Low power indicator, charging breathing light.

4, Bluetooth scanner: Blue + Green + Red light

Blue: Bluetooth status light.

Always on when working, turn off when reading.

Green: 2.4G status-light.

Always on when working, turn off when reading.

Red: Low power indicator, charging breathing light.

5, 2.4G-dongle/ 433M-dongle: Blue light.

Blue: Always on when working.

Flashing means the dongle is broken or the USB port is bad.

6, Base: Blue + Green light.

Blue: Always on when working.

Flashing means the dongle is broken or the USB port is bad.

Green: Always on means the base and scanner are in good contact.

FAQ

1, In wired mode, there is no data upload?

- ① Scanner is set to storage mode? Please set to instant upload mode.
- ② Scanner is set to USB-COM? Please set to USB-HID.

2, 2.4G/433M connected but no data upload?

- ① Scanner is set to storage mode?

Unplug and plug the dongle, Scan setting code: "Match" in 30 seconds, then scan "instant upload mode".

- ② Scanner is set to USB-COM?

Unplug and plug the dongle, Scan setting code: "Match" in 30 seconds, then scan "USB-HID".

3, Can't search the scanner?

- ① Make sure the scanner is in HID-mode.
- ② Whether the scanner in matching state?
- ③ Scan " Connection initialization ", delete the matched scanner, and re-pair operation.

4, Bluetooth connected but not upload?

- ① Scanner set to storage mode? Please set to Instant upload mode.
- ② Scanner set to 2.4G mode (check status light).
- ③ Please check the Bluetooth mode (HID,SPP,BLE).

5, Barcode characters is wrong?

- ① Set the scanner keyboard nations with using the keyboard.
- ② Set more slow HID speed.

6, Turn on, Scanner red light flashing three times and then shut down?

- ① Low battery, please charge.

Factory Defaults-Caution



Factory Defaults (caution)

More support, please contact the manufacturer.

Appendix 1: ASCII characters

Hex	Dec	Description	Hex	Dec	Description
#00	0	NUL(CTRL @)	#22	34	"
#01	1	SOH(CTRL A)	#23	35	#
#02	2	STX(CTRL B)	#24	36	\$
#03	3	ETX(CTRL C)	#25	37	%
#04	4	EOT(CTRL D)	#26	38	&
#05	5	ENQ(CTRL E)	#27	39	'
#06	6	ACK(CTRL F)	#28	40	(
#07	7	BEL(CTRL G)	#29	41)
#08	8	BS(Backspace)	#2A	42	*
#09	9	HT(Tab)	#2B	43	+
#0A	10	LF(CTRL J)	#2C	44	,
#0B	11	VT(CTRL K)	#2D	45	-
#0C	12	FF(CTRL L)	#2E	46	.
#0D	13	CR(Enter)	#2F	47	/
#0E	14	SO(CTRL N)	#30	48	0
#0F	15	SI(CTRL O)	#31	49	1
#10	16	DLE(CTRL P)	#32	50	2
#11	17	DC1(CTRL Q)	#33	51	3
#12	18	DC2(CTRL R)	#34	52	4
#13	19	DC3(CTRL S)	#35	53	5
#14	20	DC4(CTRL T)	#36	54	6
#15	21	NAK(CTRL U)	#37	55	7
#16	22	SYN(CTRL V)	#38	56	8
#17	23	ETB(CTRL W)	#39	57	9
#18	24	CAN(CTRL X)	#3A	58	:
#19	25	EM(CTRL Y)	#3B	59	;
#1A	26	SUB(CTRL Z)	#3C	60	<
#1B	27	ESC(ESC)	#3D	61	=
#1C	28	FS(CTRL \)	#3E	62	>
#1D	29	GS(CTRL])	#3F	63	?
#1E	30	RS(CTRL ^)	#40	64	@
#1F	31	US(CTRL_)	#41	65	A
#20	32	(space)	#42	66	B
#21	33	!	#43	67	C

Hex	Dec	Description	Hex	Dec	Description
#44	68	D	#66	102	f
#45	69	E	#67	103	g
#46	70	F	#68	104	h
#47	71	G	#69	105	i

#48	72	H		#6A	106	j
#49	73	I		#6B	107	k
#4A	74	J		#6C	108	l
#4B	75	K		#6D	109	m
#4C	76	L		#6E	110	n
#4D	77	M		#6F	111	o
#4E	78	N		#70	112	p
#4F	79	O		#71	113	q
#50	80	P		#72	114	r
#51	81	Q		#73	115	s
#52	82	R		#74	116	t
#53	83	S		#75	117	u
#54	84	T		#76	118	v
#55	85	U		#77	119	w
#56	86	V		#78	120	x
#57	87	W		#79	121	y
#58	88	X		#7A	122	z
#59	89	Y		#7B	123	{
#5A	90	Z		#7C	124	
#5B	91	[#7D	125	}
#5C	92	\		#7E	126	~
#5D	93]		#7F	127	DEL
#5E	94	^		#80	128	F1
#5F	95	-		#81	129	F2
#60	96	`		#82	130	F3
#61	97	a		#83	131	F4
#62	98	b		#84	132	F5
#63	99	c		#85	133	F6
#64	100	d		#86	134	F7
#65	101	e		#87	135	F8

Hex	Dec	Description	Hex	Dec	Description
#88	136	F9	#AA	170	Home Keypad
#89	137	F10	#AB	171	end Keypad
#8A	138	F11	#AC	172	Page Up Keypad
#8B	139	F12	#AD	173	Page Down Keypad
#8C	140	Left shift make	#AE	174	Up Arrow Keypad
#8D	141	Left shift break	#AF	175	Down Arrow Keypad
#8E	142	Right shift mark	#B0	176	Left Arrow Keypad
#8F	143	Right shift break	#B1	177	Right Arrow Keypad
#90	144	Left ALT mark	#B2	178	Center Keypad
#91	145	Left ALT break	#B3	179	Insert
#92	146	Right ALT mark	#B4	180	Delete
#93	147	Right ALT break	#B5	181	Home
#94	148	Left control mark	#B6	182	End
#95	149	Left control break	#B7	183	Page Up
#96	150	Right control mark	#B8	184	Page Down
#97	151	Right control break	#B9	185	Up Arrow
#98	152	/Keypad	#BA	186	Down Arrow
#99	153	*Keypad	#BB	187	Left Arrow
#9A	154	-Keypad	#BC	188	Right Arrow
#9B	155	+Keypad	#BD	189	
#9C	156	-Keypad	#BE	190	Num Lock
#9D	157	enter Keypad	#BF	191	Caps Lock
#9E	158	0Keypad	#C0	192	Scroll Lock
#9F	159	1Keypad	#C1	193	Print Screen
#A0	160	2Keypad	#C2	194	Pause
#A1	161	3Keypad			
#A2	162	4Keypad			
#A3	163	5 Keypad			
#A4	164	6 Keypad			
#A5	165	7 Keypad			
#A6	166	8 Keypad			
#A7	167	9 Keypad			
#A8	168	Insert Keypad			
#A9	169	Delete Keypad			

Appendix 2: ASCII Barcode Table

Barcode data: 069000-069194

 @09000@ 000 NUL/SP	 @09001@ 001 SOH	 @09002@ 002 STX
 @09003@ 003 ETX	 @09004@ 004 EOT	 @09005@ 005 ENQ
 @09006@ 006 ACK	 @09007@ 007 BEL	 @09008@ 008 Back Space
 @09009@ 009 HT/TAB	 @09010@ 010 LF	 @09011@ 011 VT
 @09012@ 012 FF	 @09013@ 013 CR/ENTER	 @09014@ 014 SO
 @09015@ 015 SI	 @09016@ 016 DLE	 @09017@ 017 DC1
 @09018@ 018 DC2	 @09019@ 019 DC3	 @09020@ 020 DC4
 @09021@ 021 NAK	 @09022@ 022 SYN	 @09023@ 023 ETB
 @09024@ 024 CAN	 @09025@ 025 EM	 @09026@ 026 SUB
 @09027@ 027 ESC	 @09028@ 028 FS	 @09029@ 029 GS
 @09030@ 030 RS	 @09031@ 031 US	 @09032@ 032 SP
 @09033@ 033 !	 @09034@ 034 "	 @09035@ 035 #
 @09036@ 036 \$	 @09037@ 037 %	 @09038@ 038 &
 @09039@ 039 '	 @09040@ 040 ( @09041@ 041)
 @09042@ 042 *	 @09043@ 043 +	 @09044@ 044 ,
 @09045@ 045 -	 @09046@ 046 .	 @09047@ 047 /

 @09048@ 048 0	 @09049@ 049 1	 @09050@ 050 2
 @09051@ 051 3	 @09052@ 052 4	 @09053@ 053 5
 @09054@ 054 6	 @09055@ 055 7	 @09056@ 056 8
 @09057@ 057 9	 @09058@ 058 :	 @09059@ 059 ;
 @09060@ 060 <	 @09061@ 061 =	 @09062@ 062 >
 @09063@ 063 ?	 @09064@ 064 @	 @09065@ 065 A
 @09066@ 066 B	 @09067@ 067 C	 @09068@ 068 D
 @09069@ 069 E	 @09070@ 070 F	 @09071@ 071 G
 @09072@ 072 H	 @09073@ 073 I	 @09074@ 074 J
 @09075@ 075 K	 @09076@ 076 L	 @09077@ 077 M
 @09078@ 078 N	 @09079@ 079 O	 @09080@ 080 P
 @09081@ 081 Q	 @09082@ 082 R	 @09083@ 083 S
 @09084@ 084 T	 @09085@ 085 U	 @09086@ 086 V
 @09087@ 087 W	 @09088@ 088 X	 @09089@ 089 Y
 @09090@ 090 Z	 @09091@ 091 [ @09092@ 092 \
 @09093@ 093]	 @09094@ 094 ^	 @09095@ 095 _
 @09096@ 096 `	 @09097@ 097 a	 @09098@ 098 b

 @09099@ 099 c	 @09100@ 100 d	 @09101@ 101 e
 @09102@ 102 f	 @09103@ 103 g	 @09104@ 104 h
 @09105@ 105 i	 @09106@ 106 j	 @09107@ 107 k
 @09108@ 108 l	 @09109@ 109 m	 @09110@ 110 n
 @09111@ 111 o	 @09112@ 112 p	 @09113@ 113 q
 @09114@ 114 r	 @09115@ 115 s	 @09116@ 116 t
 @09117@ 117 u	 @09118@ 118 v	 @09119@ 119 w
 @09120@ 120 x	 @09121@ 121 y	 @09122@ 122 z
 @09123@ 123 {	 @09124@ 124	 @09125@ 125 }
 @09126@ 126 ~	 @09127@ 127 DEL	 @09128@ 128 F1
 @09129@ 129 F2	 @09130@ 130 F3	 @09131@ 131 F4
 @09132@ 132 F5	 @09133@ 133 F6	 @09134@ 134 F7
 @09135@ 135 F8	 @09136@ 136 F9	 @09137@ 137 F10
 @09138@ 138 F11	 @09139@ 139 F12	 @09140@ 140 l_Shift on
 @09141@ 141 l_Shift off	 @09142@ 142 r_Shift on	 @09143@ 143 r_Shift off
 @09144@ 144 l_Alt on	 @09145@ 145 l_Alt off	 @09146@ 146 r_Alt on
 @09147@ 147 r_Alt off	 @09148@ 148 l_Ctrl on	 @09149@ 149 l_Ctrl off

 @09150@	 @09151@	 @09152@
150 r_Ctrl on	151 r_Ctrl off	152 /(KP)
 @09153@	 @09154@	 @09155@
153 *(KP)	154 -(KP)	155 +(KP)
 @09156@	 @09157@	 @09158@
156 _(KP)	157 Enter(KP)	158 O(KP)
 @09159@	 @09160@	 @09161@
159 1(KP)	160 2(KP)	161 3(KP)
 @09162@	 @09163@	 @09164@
162 4(KP)	163 5(KP)	164 6(KP)
 @09165@	 @09166@	 @09167@
165 7(KP)	166 8(KP)	167 9(KP)
 @09168@	 @09169@	 @09170@
168 Inert	169 Delete	170 Home
 @09171@	 @09172@	 @09173@
171 End	172 Page Up	173 Page Down
 @09174@	 @09175@	 @09176@
174 Up	175 Down	176 Left
 @09177@	 @09178@	 @09179@
177 Right	178 Center	179 Insert
 @09180@	 @09181@	 @09182@
180 Delete	181 Home	182 End
 @09183@	 @09184@	 @09185@
183 Page Up	184 Page Down	185 Up
 @09186@	 @09187@	 @09188@
186 Down	187 Left	188 Right
 @09189@	 @09190@	 @09191@
189	190 Num Lock	191 caps lock
 @09192@		
192 scroll lock		

Appendix 3: Language

 @0005000@	 @00005009@	 @0005018@
UNITED STATES	FRANCE	SERBIA/YUGOSLAVIA

 @000501@ BELGIUM	 @0005010@ GERMANY	 @0005019@ SLOVENIA
 @000502@ BRAZIL	 @0005011@ HUNGARY	 @0005020@ SPAIN
 @000503@ CANADIAN-FRENCH	 @0005012@ ITALY	 @0005021@ SWEDEN
 @000504@ CROATIA	 @0005013@ LATIN AMERICA	 @0005022@ SWITZERLAND (FRENCH)
 @000505@ CZECHOSLOVAKIA (CZECH)	 @0005014@ NETHERLANDS	 @0005023@ SWITZERLAND (GERMAN)
 @000506@ CZECHOSLOVAKIA (SLOVAK)	 @0005015@ NORWAY	 @0005024@ UNITED KINGDOM
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