MK7120

Honeywell

IS3480 QuantumE
QuantumT 3580
Fusion 3780
Orbit 7120/7180
Solaris 7820

Quick Start Guide

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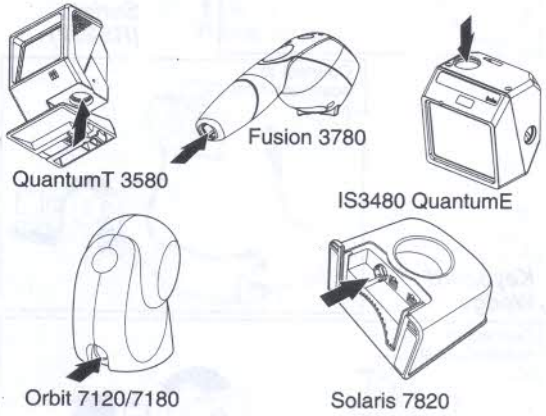
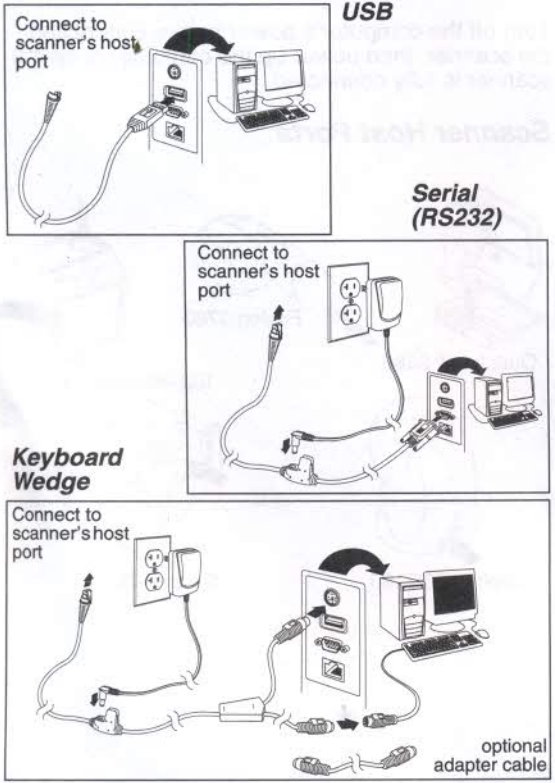
Getting Started

Turn off the computer's power before connecting the scanner, then power up the computer once the scanner is fully connected.

Scanner Host Ports



Connecting the Scanner



Recall Defaults

Scan **Recall Defaults** to reset all standard product default settings.

3 9 9 9 9 9 8
Recall Defaults

Interface Selections

USB

USB Keyboard Emulation

Load Integrated Full Speed USB IBM/OEM Defaults

USB Serial Emulation

RS232

RS232

Keyboard Wedge

Keyboard Wedge Emulation

Keyboard Country

Scan a bar code to select one of the following keyboard country templates. Refer to your Configuration Guide for additional keyboard country settings.

United States

Belgium

United Kingdom

Germany/Austria

France

Italy

Spain

ALT Mode

Use ALT Mode when bar codes or formatting rules include Extended ASCII data that might not have a direct keyboard equivalent. If your bar code contains special characters from the extended ASCII chart, scan the **Enable 3-digit ALT Mode** or **Enable 4-digit ALT Mode** codes below. The key sequence based on the ASCII value would be sent to the host (e.g., if an asterisk (*) is contained in the bar code, the host receives ALT + 0 + 4 + 2 (3-digit). If an "Ü" is contained in the bar code, the host receives ALT + 0 + 2 + 2 + 0 (4-digit). You may also se ALT Mode when no "Keyboard Country" bar code that matches your keyboard exists.

Note: Scan ALT mode after scanning the appropriate Keyboard Country code.

Enable 3-digit ALT Mode

Disable 3-digit ALT Mode

Enable 4-digit ALT Mode

Disable 4-digit ALT Mode

RS232 Communication Commands

RTS/CTS
Handshaking On

XON/XOFF On

ACK/NAK On

8 Data Bits

1 Stop Bit

No Parity

Power Save Modes

Scan the following bar codes to have the scanner to enter/exit from various power save modes.

Blink

Laser Off Power Save

Laser and Motor Off Power Save

Power Save Mode Always

Power Save Mode Never

Host Scanner Commands

Scan the **Enable D/E Disable** bar code below to disable scanning after the scanner receives an ASCII "D" from the host. Scanning is enabled when the scanner receives and ASCII "E".

Enable D/E Disable

Disable D/E Disable

Scan the **Activate DC2 Character** bar code below initiate scanning with the receipt of a DC2 character (^R, 124).

Activate DC2 Character

Do Not Activate DC2 Character

Scanning the **Transmit Serial Number** code transmits the scanner's serial number.

Transmit Serial Number

LED Options

Scan the Laser LED Off/Scan LED Off bar code to turn off the laser/scan LED while scanning bar codes. The LEDs continue to illuminate for all other functions.

3 2 4 3 1 3 0
Laser LED Off

3 2 4 3 1 3 2
Scan LED Off

Prefix

Scan one of the following bar codes to program your scanner to add or remove a start of text character, or AIM, NCR, or Nixdorf identification characters before each bar code.

3 1 1 6 6 1 5
STX Prefix On

3 1 1 6 6 0 5
STX Prefix Off

3 1 0 7 9 1 5
AIM ID Prefix On

AIM ID Prefix Off

NCR Prefix On

NCR Prefix Off

Nixdorf Prefix On

Nixdorf Prefix Off

Suffix

Scan one of the following bar codes to program your scanner to add or remove a carriage return, line feed, tab, or end of text after each bar code.

CR Suffix On

CR Suffix Off

LF Suffix On

LF Suffix Off

Tab Suffix On

Tab Suffix Off

ETX Suffix On

ETX Suffix Off

User Configurable Prefix/Suffix

One or two prefix or suffix characters can be added and assigned for data transmission. Use one of the codes below with a 3 code byte sequence that represents the desired character (see ASCII Conversion Chart, end of document) for your prefix or suffix. (To add additional prefix/suffix characters, refer to your Single-Line Configuration Guide.)

Scan the **Enter/Exit Programming** bar code to begin. Then scan the 3 digit decimal equivalent of the ASCII character into the appropriate character location with the code byte bar codes (see Code Bytes, end of document). To save, scan the **Enter/Exit Programming** bar code again.

Example: To add an asterisk (*) as a prefix, scan the bar codes:

1. Enter/Exit Programming
2. Configurable Prefix #1
3. Code Byte 0
4. Code Byte 4
5. Code Byte 2
6. Enter/Exit Programming

Enter/Exit Programming

Configurable Prefix #1

Configurable Prefix #2

Configurable Suffix #1

Configurable Suffix #2

Supplements

Scan one of the bar codes below to program your scanner for 2 or 5 digit bar code supplements.

2 Digit Supplements On

2 Digit Supplements Off

5 Digit Supplements On

5 Digit Supplements Off

977 (2 Digit) Supplement Required: Turn on this feature when a 2 digit supplement is required for EAN-13 codes that begin with 977.

977 Supplements On

977 Supplements Off

UPC/EAN Formatting

Scan **Convert UPC-A to EAN-13** and a leading zero is transmitted before a UPC-A bar code to convert it to EAN-13.

Convert UPC-A to EAN-13

Don't Convert UPC-A to EAN-13

Scan **Transmit Lead Zero on UPC-E** to transmit a zero before each UPC-E bar code.

Transmit Lead Zero on UPC-E

Don't Transmit Lead Zero on UPC-E

Scan **Transmit UPC-A Number System** to transmit the UPC-A leading digit with the bar code data. To transmit just the data, without the leading digit, scan **Don't Transmit UPC-A Number System**.

Transmit UPC-A Number System

Don't Transmit UPC-A Number System

Expand UPC-E to 12 Digits expands the UPC-E code to the 12 digit, UPC-A format.

Expand UPC-E to 12 Digits

Don't Expand UPC-E to 12 Digits

When **Code 39 Full ASCII On** is scanned, certain character pairs within the bar code symbol will be interpreted as a single character. For example: $V will be decoded as the ASCII character SYN, and / C will be decoded as the ASCII character #.

Code 39 Full ASCII On

Code 39 Full ASCII Off

Check Digits

The following selections allow you to specify whether the check digit should be transmitted at the end of the scanned UPC-A or UPC-E data.

*Transmit UPC-A Check Digits

Don't Transmit UPC-A Check Digits

Transmit UPC-E Check Digits

*Don't Transmit UPC-E Check Digits

GS1 Symbology

Due to the large spaces commonly found in GS1 DataBar symbologies, it is recommended that you enable **GS1 Double Border Required**. Scan the other codes below to enable/disable GS1 Databar 14 and GS1 Limited.

GS1 Double Border Required

Enable GS1 Databar 14

Disable GS1 Databar 14

Enable GS1 Limited

Disable GS1 Limited

Host Configurations

Scan one of the following codes, then scan the **Recall Defaults** code, to program the scanner for one of the following configurations.

Verifone® Ruby Terminal Defaults

Gilbarco® Terminal Defaults

Wincor Nixdorf Terminal Defaults

Recall Defaults

Miscellaneous

Minimum Symbol Length specifies the minimum number of characters allowable for non-UPC/EAN bar codes. Scan the **Enter/Exit Programming** bar code to begin. Scan **Minimum Symbol Length**, then scan the minimum number of characters allowed using code byte bar codes, below. To save, scan the **Enter/Exit Programming** bar code again.

Enter/Exit Programming

Minimum Symbol Length

Code Bytes

ASCII Conversion Chart

Dec	Hex	Char	Dec	Hex	Char	Dec	Hex	Char	Dec	Hex	Char	Dec	Hex	Char
0	00	NUL	26	1A	SUB	52	34	4	78	4E	N	104	68	h
1	01	SOH	27	1B	ESC	53	35	5	79	4F	O	105	69	i
2	02	STX	28	1C	FS	54	36	6	80	50	P	106	6A	j
3	03	ETX	29	1D	GS	55	37	7	81	51	Q	107	6B	k
4	04	EOT	30	1E	RS	56	38	8	82	52	R	108	6C	l
5	05	ENQ	31	1F	US	57	39	9	83	53	S	109	6D	m
6	06	ACK	32	20		58	3A	:	84	54	T	110	6E	n
7	07	BEL	33	21	!	59	3B	;	85	55	U	111	6F	o
8	08	BS	34	22	"	60	3C	<	86	56	V	112	70	p
9	09	HT	35	23	#	61	30	=	87	57	W	113	71	q
10	0A	LF	36	24	$	62	3E	>	88	58	X	114	72	r
11	0B	VT	37	25	%	63	3F	?	89	59	Y	115	73	s
12	0C	FF	38	26	&	64	40	@	90	5A	Z	116	74	t
13	0D	CR	39	27	'	65	41	A	91	58	[	117	75	u
14	0E	SO	40	28	(	86	42	B	92	5C	\	118	76	v
15	0F	SI	41	29	)	67	43	C	93	5D	]	119	77	w
16	10	DLE	42	2A	*	68	44	D	94	5E	^	120	78	x
17	11	DC1	43	28	+	69	45	E	95	5F	_	121	79	y
18	12	DC2	44	2C	,	70	46	F	96	60	`	122	7A	z
19	13	DC3	45	2D	-	71	47	G	97	61	a	123	7B	{
20	14	DC4	46	2E	.	72	48	H	98	62	b	124	7C	|
21	15	NAK	47	2F	/	73	49	I	99	63	c	125	7D	}
22	16	SYN	48	30	0	74	4A	J	100	64	d	126	7E	~
23	17	ETB	49	31	1	75	48	K	101	65	e	127	7F	
24	18	CAN	50	32	2	76	4C	L	102	66	f			
25	19	EM	51	33	3	77	4D	M	103	67	g			

Patents

For patent information, please refer to www.honeywellaidc.com/patents.

Technical Assistance

Contact information for technical support, product service, and repair can be found at www.honeywellaidc.com.

Limited Warranty

Refer to www.honeywellaidc.com/warranty_information for your product's warranty information.

User Documentation

For localized versions of this document, and to download the Configuration Guide or the Installation and User's Guide, go to www.honeywellaidc.com.

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