

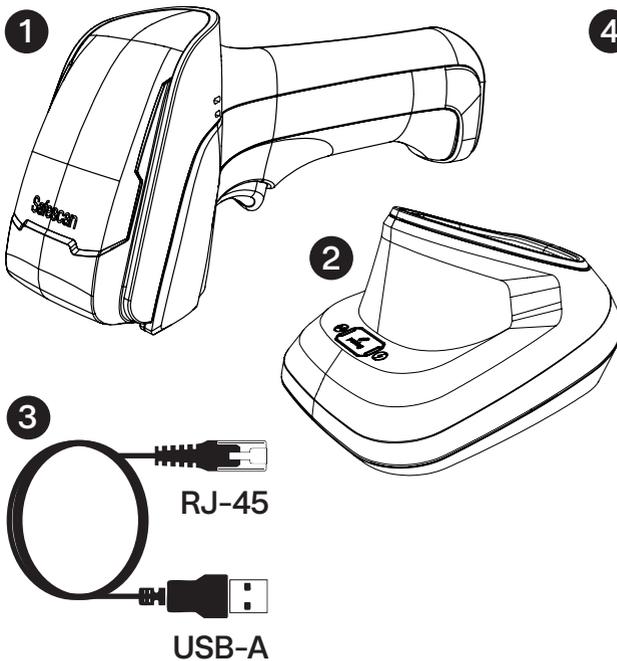
Safescan 350-BT Barcode Scanner User Manual



Print version

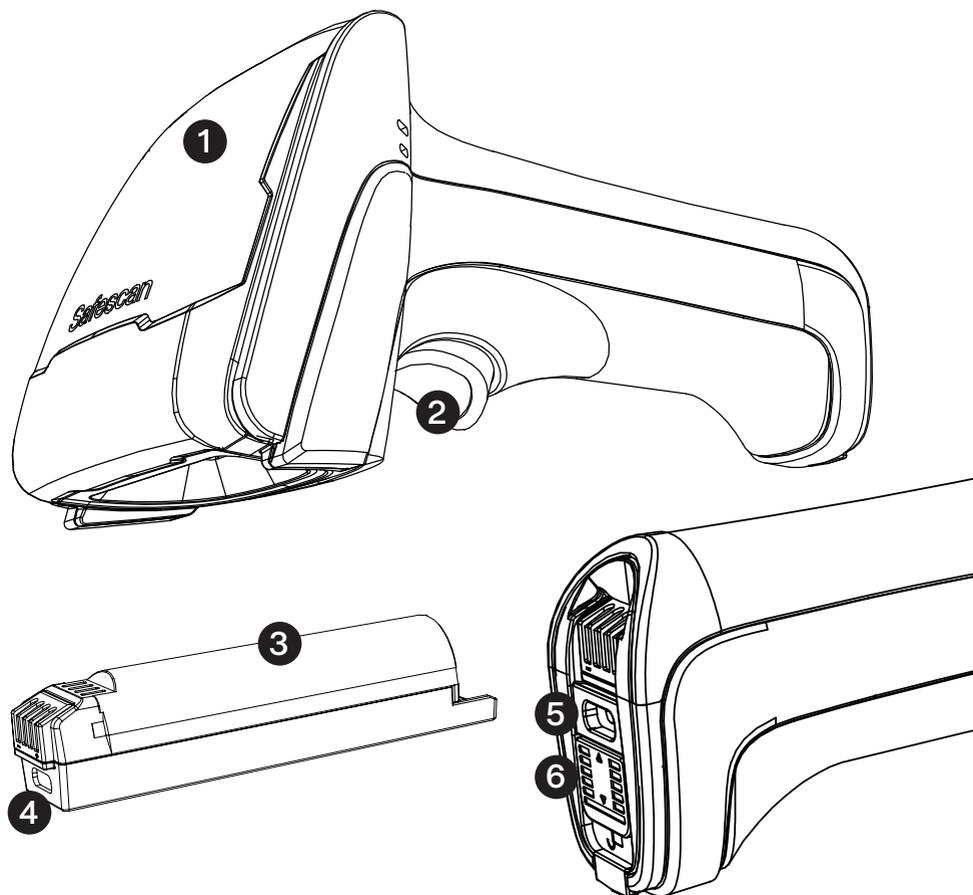
[Click here](#) to open a printable version of the manual in the selected language.

1. Package content



1. Safescan 350-BT (rechargeable battery pack inside)
2. Base station
3. USB-cable
4. Get started leaflet/Safety instructions

2. Parts & Controles

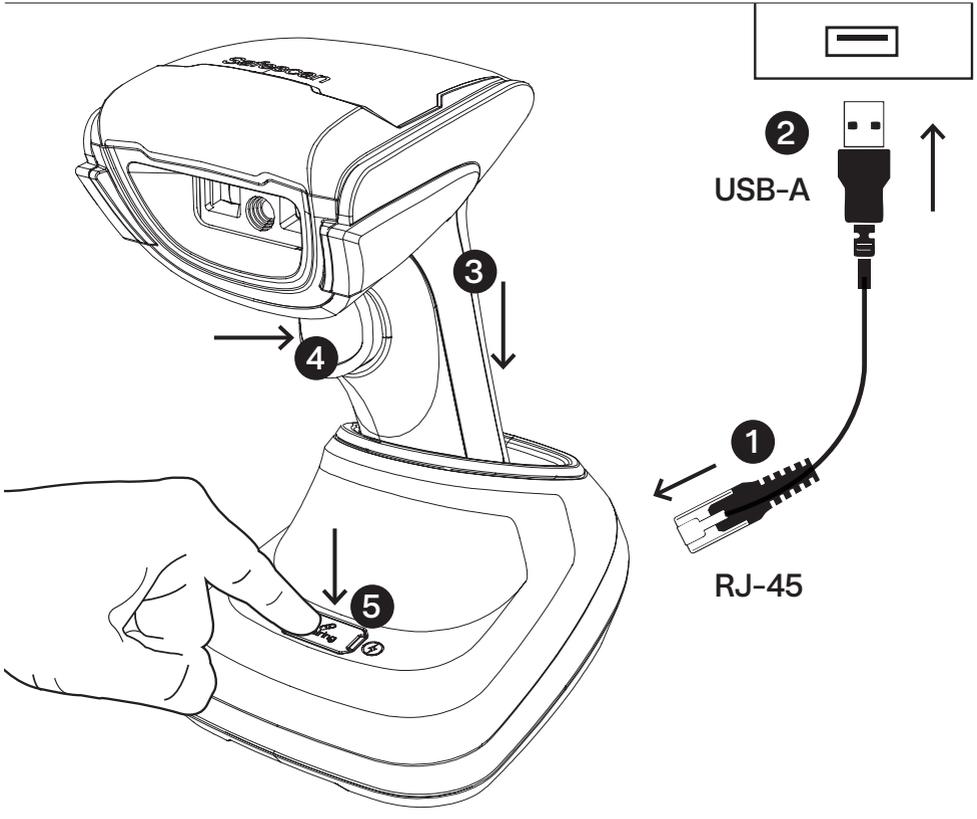


-
1. Status indication light
 2. Button (Press to activate and manually scan)
 3. Rechargeable battery
 4. USB-C battery charging inlet
 5. Battery cover
 6. Battery cover lock

3. Connecting The Safescan 350-BT

The 350-BT can be paired to your POS-station via the USB-cable or via a bluetooth connection.

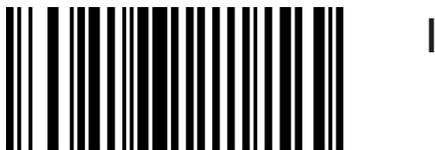
3.1 Pairing the scanner via USB



1. Plug the RJ-45 cable into the base station.
2. Plug the USB-A cable of the base station into your (POS) system.
3. Place the barcode scanner on the base station.
4. Activate the scanner by pressing the button.
5. Press the button on the base station. The scanner will now pair with the base station. The barcode scanner is now connected to your POS-station and ready to use.

3.2 Pairing the scanner via Bluetooth

1. Scan barcodes I and II in sequence.



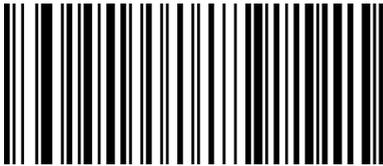
2. Search for: “ RB_SCANNER_HID “ in the bluetooth setting of your mobile device and connect it.

3. The barcode scanner is ready to use with your mobile device.

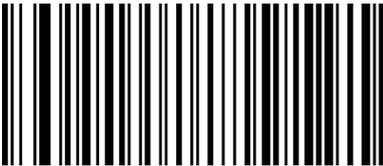
4. Selecting The Scanning Mode



Manual (Starts scanning by pressing the button on the barcode scanner)



Continuous (Barcode scanner continuously scans)



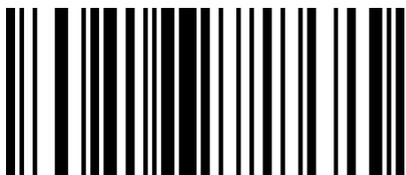
Auto sensing
(Starts scanning when object is detected in front of the barcode scanner)



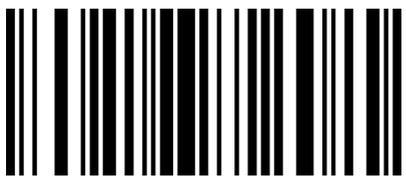
Smart Switch*
(Starts scanning when object is detected in front of the barcode scanner & scans when the button is pushed)

* See chapter 12 for more information

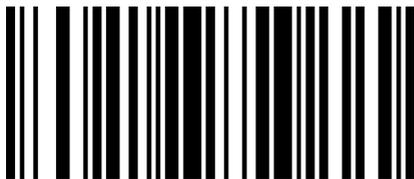
Sleep time in Continuous & Auto sensing mode.



1 min.



5 min.



10 min.



None.

5. Selecting The Keyboard Region

To make sure the correct punctuation marks will be used by the scanners output it is needed to set the keyboard language. Scan the barcode of the language which your POS system is using.



America - Default



United Kingdom



Germany



France



Spain

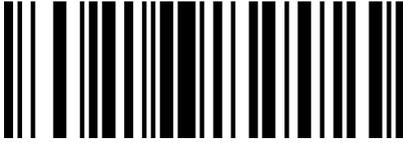


Italy

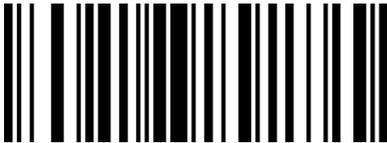


Portugal

English



Sweden



Turkey (F)



Turkey (Q)



The Netherlands

6. Adjusting The Volume

Scan the barcode of the desired sound volume.



ON

By scanning this code, you will activate the normal volume.



OFF

This mode will mute all scanning sounds. Please note that if you want to turn the sound back on, you first have to scan the ON barcode before you can scan MAX or LOW.



MAX

By scanning this code, you will turn the volume of the scanner to its highest point.



MEDIUM



LOW

This mode will keep the volume on, but at a lower volume than is standard.

7. Adjusting The Formatting

There are multiple settings possible how the scanned data is entered into your POS-System. Scan the barcode of your desired 'End character setting.'

Type	Explanation	Example
CR: Carriage Return	When you select this option, your cursor will automatically move to the beginning of the following line. Similar to pressing an enter key.	0123456789 0123456789 0123456789
CR & LF: Carriage Return & Line Feed	By selecting this option, the scanner will automatically add an empty line below your results and move to the beginning of the following line. Similar to pressing an enter key twice.	0123456789 0123456789 0123456789
TAB: Tab Feed	When you select this option, your cursor will automatically move to the next tab area. This works the same as pressing the tab key on a keyboard.	0123456789 0123456789
Disable: No Formatting	By selecting this option, you choose to send the data to your system without any additional keystrokes (like spaces, enters, tabs).	0123456789 0123456789



CR



CR & LF



TAB



Disable

8. Wireless modes

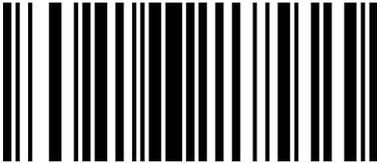
INSTANT UPLOAD

In this mode, the scanned data will be uploaded to the computer instantly.



INVENTORY

The scanned data will be stored in the internal memory of the scanner.



AUTOMATIC STORAGE (DEFAULT)

Barcode scanner has signal:
Data will be uploaded immediately.

Barcode scanner has weak or no signal:

A double 'beep' sounds when scanning. The scanned data will be stored in the internal memory. When there is a signal, the data will be automatically uploaded to the computer.



9. Data Upload Instruction in Inventory Mode



Upload all data

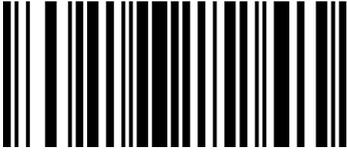


Upload new data

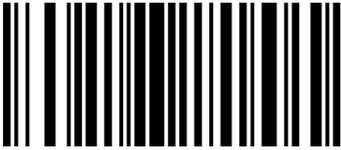


Display all data

English



Display new data



Data delete

10. Assigning A Prefix / Suffix

1. Scan the prefix barcode below if you want to add a character to the start of the data. Scan the suffix code below if you want to add a character to the end of your data.
2. Navigate to the code marked “9” in Appendix C and scan it two times.
3. Find the correct characters and specifications in Appendix B.
4. Locate the corresponding numbers in Appendix C and scan them in the correct order.
5. Scan the barcode marked “save” at the very end of Appendix C.

Here’s an example:

You want to add the prefix “C_”.

First you scan code 9 two times. Then you scan code 4 and code 3 (43 is C) followed by code 5 and code F (5F is underscore), and then the code marked as “save”.

A generic barcode with the number 123456789 will now be processed as C_123456789.

Prefix



Suffix

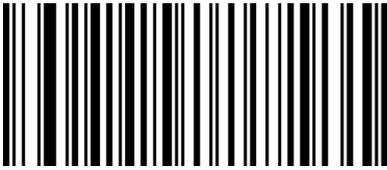


11. Deactivating The Prefix / Suffix Settings

If you want to remove your prefix or suffix settings you can easily do so by scanning one (or both) of the codes below.

Clear Prefix Settings

By scanning this code, you will deactivate all prefix settings that were selected.



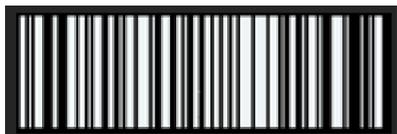
Clear Suffix Settings

Scanning this code will delete the current suffix settings.



12. Scanning Reversed / Inverted Barcodes

Some barcodes may be shown reversed / inverted, like in the example below. You must change your settings to ensure your scanner is able to process them.



Activate Reverse Scanning

By scanning this code, you allow your scanner to reverse the codes it is seeing. Please note that you must deactivate this feature before you scan any regular codes.



Deactivate Reverse Scanning

Scan this code if you want to switch off the reverse scanning feature and want to go back to the regular code scanning mode (default).

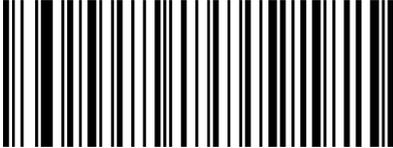


13. Converting Barcodes To EAN Codes

If you want to convert your UPC-A barcodes to EAN-13 codes, you can do so by scanning the code below.

Enable EAN Conversion

By activating this mode, all the barcodes that you scan are converted to EAN codes in your system.



Disable EAN Conversion

Scan this code to deactivate the EAN conversion mode. Your codes will now be processed normally.



14. Activating / Deactivating Barcode Types

You can configure the scanner to only scan certain types of barcodes and ignore others. This can help prevent the scanning and processing of any unwanted codes.



Disable all 1D barcodes

When you select this feature, your barcode scanner will no longer scan 1D barcodes. Please note that it will still be able to scan the “Enable all 1D barcodes” code below to reactivate the feature.



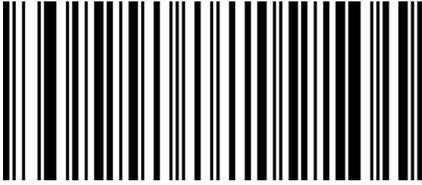
Disable all 2D barcodes

This feature will adjust your scanner so it no longer scans any 2D barcodes (such as QR codes). To reverse this action, simply scan the “Enable all 2D barcodes” code below.



Enable all 1D barcodes

By scanning this code, you allow your scanner to scan and process all different types of 1D barcodes.



Enable all 2D barcodes

By choosing this feature, you allow your scanner to scan and process all different types of 2D barcodes.



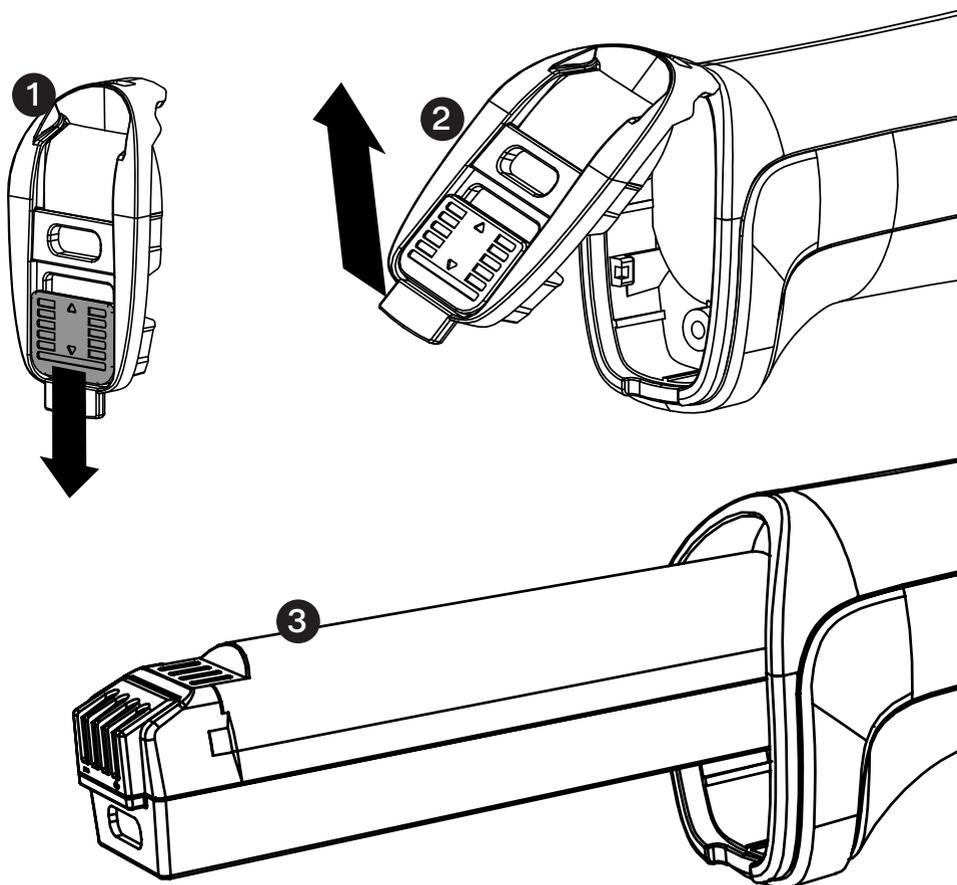
Enable scanning of all supported 1D & 2D barcode

Please note that by doing this, the scanning speed may be slower than the default setting of the scanner. To return to default settings please see chapter 16.

15. Removing the battery from the scanner

Follow the next steps for removing the battery:

1. Slide the battery cover to the 'open' position.
2. Push open the battery cover.
3. Slide-out the battery.

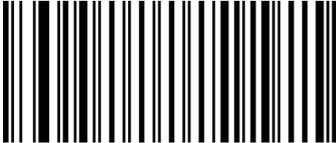


16. Restoring Factory Settings

You can easily reset all your settings by scanning the code below. The following settings will be used:

- Automatic storage (if no connection)
- CR
- Scan mode: Auto-Switch
- Sound volume: High
- Prefix/Suffix settings disabled.
- Sleep after 10 minutes

1D



2D



17. Firmware Version

To see what firmware versions currently installed on your device, simply scan the shown code.



18. Safety precautions

Safescan 350-BT

WARNING! Burns, electrical shock and fire hazard due to short-circuiting. Risk of serious injury



- Never look directly into the light beam.
- Never subject the device, or power cord to liquids or moisture.
- Always hold the plug when unplugging, never pull the cord .
- Never spill any liquids or chemical (cleaning) detergents on the device.
- If liquid are spilled on the device, always disconnect the power from the mains supply socket, remove the battery (when installed) and contact Safescan for assistance.

NOTICE! Risk of damaging the device



- Make sure that no foreign object enters the device.
- Never disassemble the device.
- Do not use the machine in dusty or dirty environments, as this will lead to sensor malfunctioning.

BATTERY 350-BT

WARNING! Burns, fire hazard and poisoning. Risk of serious injury



- Keep the battery away from fire, heat and water
- Always avoid touching the battery with your bare hands when battery is corroded or when leakage has occurred.

CAUTION! Damage, pollution

- To avoid leakage. Remove the battery from the device in case of long term non-use or storage.
- To avoid pollution. Dispose of batteries in accordance with local regulations.

19. Specifications

Light source	White lighting, green aiming light
Decoding ability	1D: Codabar, Code39, Code32 Pharmaceutical (PARAF), Interleaved 2 of 5, NEC 2 of 5, Code 93, Straight 2 of 5 Industrial, Straight 2 of 5 IATA, Matrix 2 of 5, Code 11, Code128, GS1-128, UPC-A, UPC-E, EAN/JAN-8, EAN/JAN-13, MSI, GS1 DataBar Omnidirectional, GS1 DataBar Limited, GS1 DataBar Expanded, China Post (Hong Kong 2 of 5), Korea Post. 2D: Codeblock A, Codeblock F, PDF417, Micro PDF417, GS1 Composite Codes, QR Code, Data Matrix, MaxiCode, Aztec, HANXIN.
Scan principle	Imaging CMOS
Resolution	640*480
Error rate	1/5 million
Scan angle	Tilt $\pm 65^\circ$, Deflection $\pm 65^\circ$
Contrast	$\geq 20\%$
Scan mode	Manual: Press button to scan/ Continuous: Scans continuously / Automatic: Scans after motion is detected / Auto sensing (Automatic On-Off: in stand & Manual when hand-held)
Scan depth of field	Code 39(5mil) 7-16cm; Code 39(13mil) 7-32cm; QR code(15mil) 3-18cm; Code 128(20mil) 6-35cm
Interface	USB-HID, USB-COM
Wireless	
Communication	Dedicated pairing base: 2.4G communication Pair a Bluetooth device: Dual-mode Bluetooth

Storage mode	Offline storage mode: When the scanner leaves the connection range, Automatically store data. Storage capacity is 200K characters. Inventory storage mode: The scanner can enter inventory mode. Storage capacity is 200K characters.
Wireless Distance	Open distance: 100 meters
Pairing mode	One-on-one: One scanner paired with one base A scanner pairs with a Bluetooth mobile device
Receiving end	Dedicated base receiver; Android/IOS mobile devices
Voltage	DC5V±5%
Working current	When working without scanning codes ≥35mA ≥300mA when scanning codes at work
Standby current	0mA (standby is to cut off battery power)
Lithium battery	2200mA lithium battery
Continuous working time	Up to 8 hours
Charging time	3 hours
Charging method	Base direct charging
Scanner size	69mm* 83.6mm* 173.6mm
Material	ABS+PC

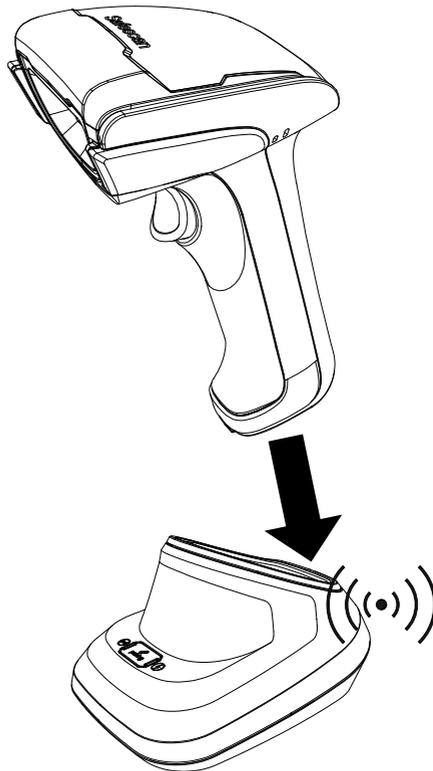
Appendix A - Using The Included Stand

The Safescan 350-BT features the innovative Smart-Switch scan mode, designed to automatically adapt to your scanning needs.

Hands-Free Scanning: When the scanner is placed in its stand, it automatically switches to Auto-Sense Mode, enabling it to scan barcodes as soon as they are presented—no button press required.

Manual Scanning: When the scanner is removed from the stand, it seamlessly switches to Manual Mode, allowing you to scan by simply pressing the trigger button.

Smart-Switch ensures your scanner is always in the right mode—exactly when you need it.



Appendix B - Prefix & Suffix Legend

Hex	Char
00	NUL (Null char.)
01	SOH (Start of Header)
02	STX (Start of Text)
03	ETX (End of Text)
04	EOT (End of Transmission)
05	ENQ (Enquiry)
06	ACK (Acknowledgment)
07	BEL (Bell)
08	BS (Backspace)
09	HT (Horizontal Tab)
0a	LF (Line Feed)
0b	VT (Vertical Tab)
0c	FF (Form Feed)
0d	CR (Carriage Return)
0e	SO (Shift Out)
0f	SI (Shift In)
10	DLE (Data Link Escape)
11	DC1 (XON) (Device Control 1)
12	DC2 (Device Control 2)
13	DC3 (XOFF) (Device Control 3)
14	DC4 (Device Control 4)
15	NAK (Negative Acknowledgment)
16	SYN (Synchronous Idle)
17	ETB (End of Trans. Block)
18	CAN (Cancel)
19	EM (End of Medium)
1a	SUB (Substitute)
1b	ESC (Escape)
1c	FS (File Separator)
1d	GS (Group Separator)
1e	RS (Request to Send)
1f	US (Unit Separator)
20	SP (Space)
21	! (Exclamation Mark)
22	" (Double Quote)
23	# (Number Sign)
24	\$ (Dollar Sign)
25	% (Percent)
26	& (Ampersand)
27	' (Single Quote)

	Char
40	@ (AT Symbol)
41	A
42	B
43	C
44	D
45	E
46	F
47	G
48	H
49	I
4a	J
4b	K
4c	L
4d	M
4e	N
4f	O
50	P
51	Q
52	R
53	S
54	T
55	U
56	V
57	W
58	X
59	Y
5a	Z
5b	[(Left / Opening Bracket)
5c	\ (Back Slash)
5d] (Right / Closing Bracket)
5e	^ (Caret / Circumflex)
5f	_ (Underscore)
60	' (Grave Accent)
61	a
62	b
63	c
64	d
65	e
66	f
67	g

English

28	((Right / Closing Parenthesis)
29)	(Right / Closing Parenthesis)
2a	*	(Asterisk)
2b	+	(Plus)
2c	,	(Comma)
2d	-	(Minus / Dash)
2e	.	(Dot)
2f	/	(Forward Slash)
30	0	
31	1	
32	2	
33	3	
34	4	
35	5	
36	6	
37	7	
38	8	
39	9	
3a	:	(Colon)
3b	;	(Semi-colon)
3c	<	(Less Than)
3d	=	(Equal Sign)
3e	>	(Greater Than)
3f	?	(Question Mark)

68	h	
69	i	
6a	j	
6b	k	
6c	l	
6d	m	
6e	n	
6f	o	
70	p	
71	q	
72	r	
73	s	
74	t	
75	u	
76	v	
77	w	
78	x	
79	y	
7a	z	
7b	{	(Left/ Opening Brace)
7c		(Vertical Bar)
7d	}	(Right/Closing Brace)
7e	~	(Tilde)
7f	DEL	(Delete)

Appendix C - Prefix & Suffix Codes



0



1



2



3



4



5



6



7



8



9



A



B

English



C



D



E



F



Save



Prefix



Suffix

3 year warranty

Warranty procedure: www.safescan.com



This product is in compliance with the essential requirements and other relevant provisions of the applicable European directives. The Declaration of Conformity (DoC) is available at www.safescan.com.



Take the device to a recycling centre if you want to dispose of it. Never throw any electronic device away with the household waste.



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.

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