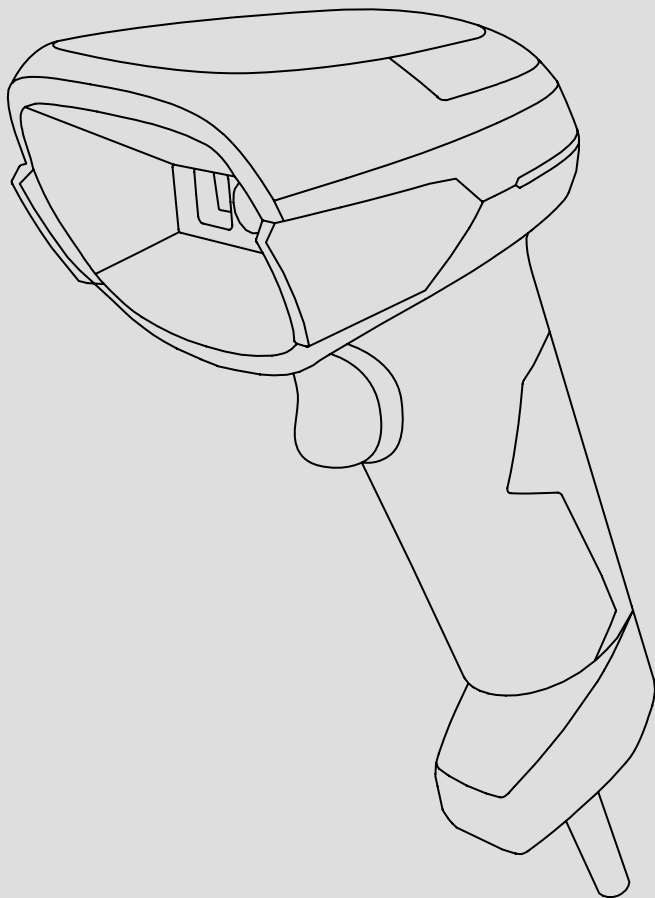




Safescan 310-W

Handheld Barcode Scanner

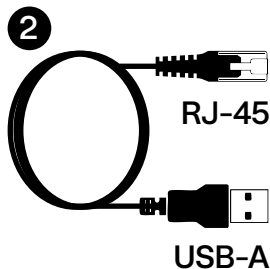
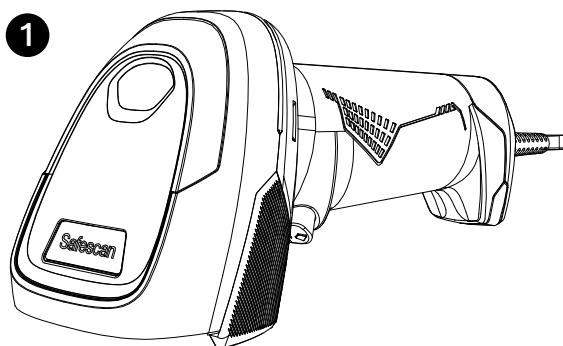
User Manual



Print version

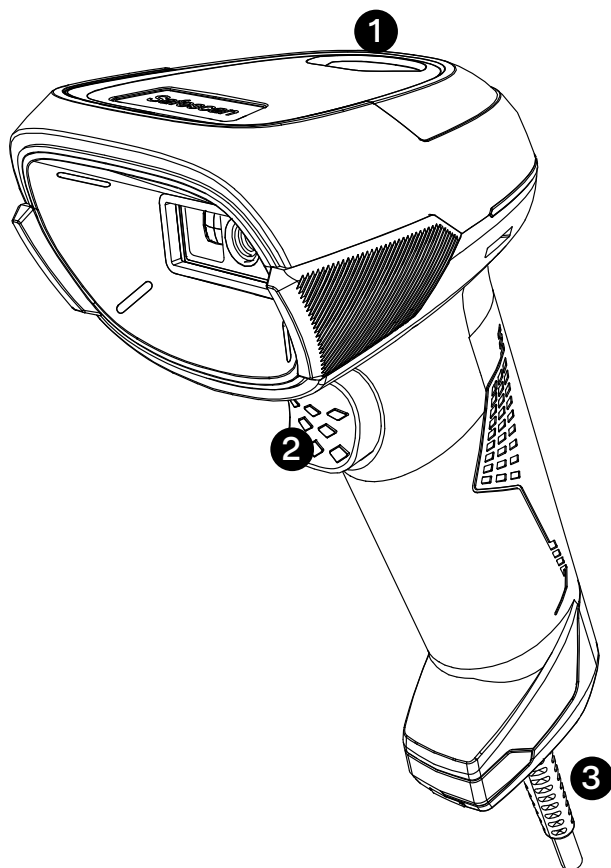
[Click here](#) to open a printable version of the manual in the selected language.

1. What's included?



1. Safescan 310-W
2. RJ-45 to USB-A cable
3. Get started folder / Safety instructions

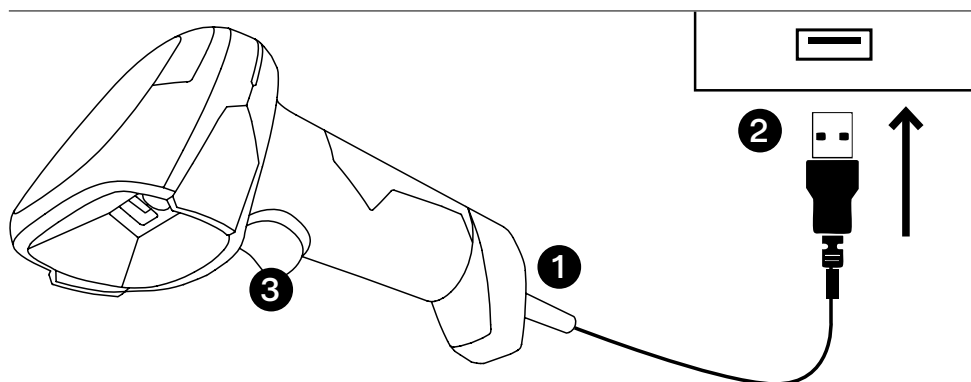
2. Parts & Controls



-
1. Status indication light
 2. Activation trigger
 3. RJ-45 to USB-A cable

3. Connecting The Safescan 310-W

You can easily connect the Safescan 310-W to your computer, laptop, or POS system, by following the instructions below.



1. Start by plugging the RJ-45 cable into the foot of the barcode scanner.
2. Then simply connect it to the USB-A port of your preferred (POS) system.
3. That's it! You do not have to install any additional software or drivers.

When you connect the barcode scanner to your laptop or computer, it will act as a keyboard. The value that is scanned will then show up in the text field that you have selected in your program or application (such as Excel).

When you connect the barcode scanner to your POS system, the codes that you scan will automatically show up in the correct field / place in your software. What this looks like depends on the software and the settings you work with.

4. Selecting The Scanning Mode

You can adjust the current scanning mode. All you have to do is find the scanning mode you want to use and scan the corresponding barcode.



Trigger Mode

This mode allows you to scan your items by pulling the trigger on the scanner.



Continuous Scanning Mode

When selecting this mode, your scanning light will remain on and active.



Auto-Sensing Mode

The auto-sensing mode works like a motion sensor. This means that the scanning light will only turn on when it detects an object in front of it. Reducing its energy consumption.

Smart Switch Mode - Default

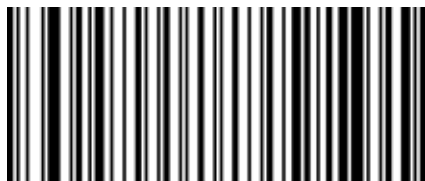
The scanner will automatically switch from the trigger mode to the auto-sensing mode when you place it in the optional smart stand (see Appendix A for more information).

Please note that when you put the scanner in the optional stand, it will always activate the auto-sensing mode. To overwrite this mode, you must scan the alternative mode barcode while the scanner is in the stand.



5. Selecting The Keyboard Region

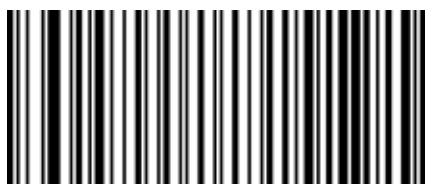
To make sure that your scanner translates the correct punctuation marks and formatting to your system, you must select the right keyboard region. You can easily do so by scanning the code next to your preferred region.



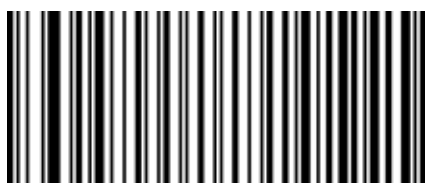
America - Default



United Kingdom



Germany



France

English



Spain



Italy



The Netherlands



Portugal



Sweden



Turkey (F)

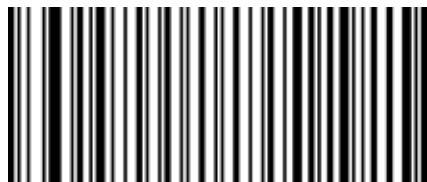


Turkey (Q)



Belgium

English



Brazil



Czech Republic

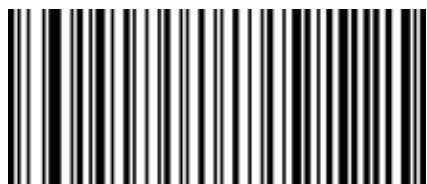
6. Adjusting The Volume

You can easily change the volume of the scanning sound by scanning one of the barcodes below.



ON

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



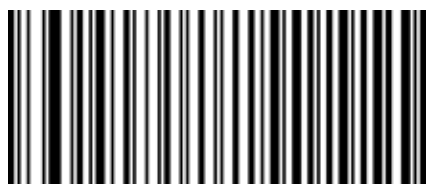
OFF

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.



LOW

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

7. Adjusting The Formatting

You can adjust the formatting settings of your data to match your preference. Simply choose the one that best fits your needs and scan the corresponding code on the next page.

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).	01234567890123456789



CR



CR & LF



TAB



Disable

8. 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.

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



9. 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.

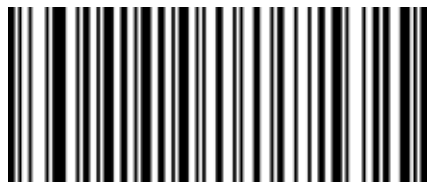
Clear Prefix Settings

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.



10. 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.



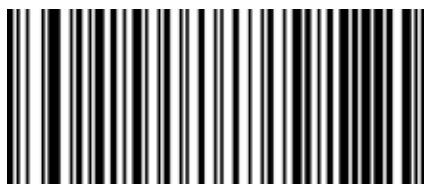
Activate Reverse Scanning

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).

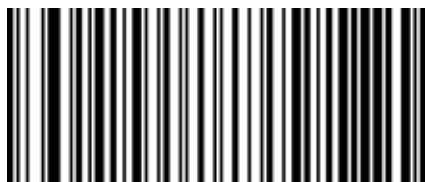


11. Converting Barcodes To EAN Codes

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

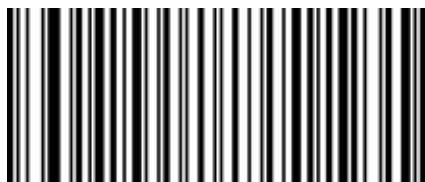
Enable EAN Conversion

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



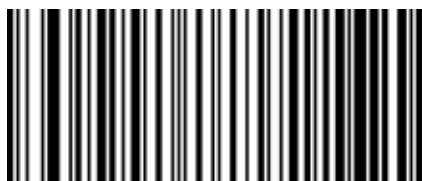
Disable EAN Conversion

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



12. 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.



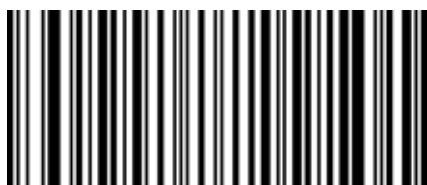
Disable all 2D barcodes

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.

13. Restoring Factory Settings

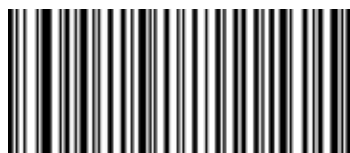
You can easily reset all your settings by scanning the code below. The following settings will be used:

Scanning Mode:	Smart Switch Mode
Prefix / Suffix:	Deactivated
Formatting:	CR (Carriage Return)
Region:	United States
Sound:	ON



14. Firmware Version

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



15. Safety Precautions



- Never open the device or take it apart.
- Never use the device in dusty or dirty environments as this may impact the sensor quality.
- Never stare directly into the light.
- Never use the cable if it is broken.
- Never subject the device or cable to liquids or clean them with chemical detergents.



- In case liquids are spilled on the device, disconnect it from the power and contact Safescan for assistance.
- Unplug the device from its power source and store it somewhere safe if it will not be used for a longer period, to avoid damaging it.

16. Specifications

Light source	Green aiming light (LED) / White scanning light (LED)
Scanning principle	Imaging CMOS
Resolution	640x480
Scanning modes	Trigger Mode / Continuous Scanning Mode / Auto-Sensing Mode
Scanning angle	Rotation angle 360° / Elevation angle $\pm 65^\circ$ / deflection angle $\pm 65^\circ$
Field of view	Horizontal 44 ° / Vertical 33°
Scanning field (depth)	EAN 13: 55-300 mm (13mil) Code 39: 60-180 mm (5mil) QR Code: 75-190 mm (15mil) Code 128: 50-160 mm (5mil)''
Bit error rate	1/5 million
Contrast	>20%
Communication interface	USB-HID, USB-COM, RS232
Decoding capability	1 D:Codabar, Code 39, Code 32 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, Code 128, 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:PDF417, Micro PDF417, QR Code, Data Matrix, MaxiCode, Aztec, HANXIN, Codeblock A, Codeblock F, GS1 Composita Codes''
Voltage	5V
Operating current	240mA
Working temperature	-20 C to 50 C
Storage temperature	-40 C to 70 C
Working humidity	5% to 95% (no condensation)
Ambient light	0~100.000 LUX
Drop resistance	1.5 m
Cable length	1.5 m
Dimensions	17.3 x 6.7 x 7.9 cm
Weight	130 gr
Material	ABS+PC

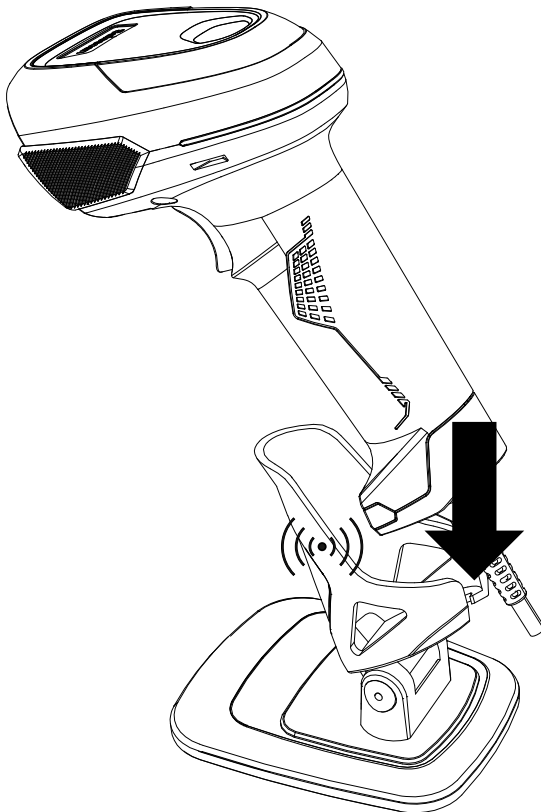
Appendix A - Using The Optional Stand

Need your hands free? Combine the scanner with the optional Safescan 310-W stand.

By placing the scanner on the stand, you automatically activate the auto-sensing mode. This means that you do not have to push any buttons or change any settings. The scanner will simply start scanning whenever it detects an object to scan.

If you want to use a different mode (in the stand), you must scan the code for that mode while the scanner is still placed on the stand.

When you remove the scanner from the stand, it will automatically switch back to the (manual) trigger mode.



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)

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)

	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

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



B



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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