# **BARTEC**

### **FAQ - Frequently Asked Questions**

# **Bluetooth hand-held scanner** BCS3678ex

# **Base station read out MAC address**

- Possible reason
- Possible solution

### **Relevant for**

- BCS3678ex-IS and base station •
- BCS3678<sup>ex</sup>-NI and base station

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## 1.

# Information of this FAQ



#### Read carefully before commissioning the device.

The FAQ is an additional description to the available user manual and part of the device. The FAQ is directed at all persons who are entrusted with handling the device.

Knowledge of the safety instructions and warnings in this FAQ and strict compliance with them is essential for safe handling.

- Carefully read the FAQ and especially the safety instructions before using the device.
- Make the FAQ accessible to all people who are entrusted with handling the device.

Warnings are used in this User Manual to warn of the risks of damage to property and personal injuries.

Symbol	Explanation
í	Important advice and information for the effective, efficient and environmentally sound use of the product.
~	Condition that must be met before the subsequent actions can be performed.
•	Individual steps you must take.
1., 2.,	Various steps to be performed in the order specified.
<b>\</b>	Indication of the results of a step or of several steps for monitoring success.

### 1.1 Reference documents

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All documents are available online from the following websites:

- BARTEC: www.bartec.com or http://automation.bartec.de

Document BARTEC	Explanation
BARTEC user manual of:	It contains:
<ul> <li>BCS3608<sup>ex</sup></li> <li>BCS3678<sup>ex</sup></li> </ul>	<ul> <li>All essential information for the user to make full use of the device. This manual includes a description of the system functions and capabilities, contingencies and modes of operation, and step-by-step procedures for system access and use.</li> </ul>
	<ul> <li>Guidelines on commissioning and the safe use of hand-held scanners (including installation, safety information related to explosion protection and information regarding programming)</li> </ul>

### Bluetooth hand-held scanner BCS3678ex

### FAQ: Base station – how to read out the MAC address

Document BARTEC	Explanation							
Zebra user manual of:	It contains:							
• DS3608	Programming instruction							
• DS3678	Programming barcodes							
	General information of usage							

# 2. Possible reason

A possible reason for reading the MAC address can be the loss of the type label (with MAC address) and the pairing barcode.

# 3. Required software

It is possible to read out the MAC address of the base station by using two Zebra tools.

Zebra\_123Scan\_(64bit)\_v5.03.0014.exe

123Scan for Windows 64bit

1. Zebra 123 Scan utility Download and install: https://www.zebra.com/us/en/support-downloads/software/utilities/123scan-utility.html Download and install the latest version of 123 Scan utility. Example screenshot for version v5.03.0014: **123SCAN UTILITY FOR WINDOWS SUPPORT** 123Scan is an easy-to-use, PC-based software tool that enables the quick and easy set-up of Zebra scanners. With over For more information, please see: 600,000 users worldwide, this is the single utility you will need to setup your Zebra scanned 123Scan Product Page - 123SCAN UTILITY FOR WINDOWS 7, 8, 8.1, 10 (32 AND 64BIT) VERSIONS - 5.03.0014 Device Compatibility Please scroll down for device compatibility Documentation 123Scan Scanner Configuration Utility Release Notes Download 465 KB Software Zebra 123Scan (32bit) v5.03.0014.exe Download 490 MB 123Scan for Windows 32bit

Subject to technical changes. 05/2021

Download 498 MB

#### 2. Zebra scanner SDK for Windows

#### Download and install:

https://www.zebra.com/us/en/support-downloads/software/developer-tools/scanner-sdk-forwindows.html

Download and install the latest version of the Zebra Scanner SDK for Windows.

#### Example screenshot: SCANNER SDK FOR WINDOWS

The Zebra Scanner Software Developer Kit (SDK) for Windows defines an architectural framework providing a single For more information, please see: programming interface across multiple programming languages (such as MS .NET, C++, Java) for all scanners communication variants (such as IBMHID, SNAPI, HIDKB, Nixdorf Mode B, etc.). The Zebra Scanner SDK includes a suite of components that provides a unified software development framework with a wide range of functions for interfacing Zebra Scanners to user applications and solutions. HOW-TO VIDEOS Multi-Scanner / Multi-App Imp Captor in Driver ][ 608.0444 () 608.044 1 1000 n And Validat Programming Basics - SCANNER SDK FOR WINDOWS 7, 8, 8.1, 10 (32 AND 64 BIT) INSTALLATION REQUIREMENTS External Dependencies: C# .Net Sample Applications require .NET framework be available on the target computer. JPOS requires JRE/JDK 1.6 or above to be available on the target computer. Installation of a new release replaces previous versions of Zebra Scanner SDK and common components Microsoft .Net framework and/or Java JDK/JRE, will not be installed with this installation package. Users are advised to install both the components independently VERSIONS - 3.06.0006 Release Date: April 2021 **Device Compatibility** This software has been approved for use with the following devices - CS6080 - DS6878-HC - LS9208i General Purpose Bar Code Scanner - DS3408 Handheld Scanner - DS6878-SR Cordless Bluetooth 2D Imager - MP6000 Scanner Scale - DS3608-DP DS3678-DP Ultra Rugged - DS9208 Omnidirectional Hands-Free - MP7000 Multi-Plane Scanner Scanners Presentation Imager - RED8500 REID Reader - DS3608-ER DS3678-ER Ultra Rugged - DS9308 - RS5100 Documentation **Release Notes for Barcode Scanner SDK for Windows** Download 301 KB Software LoggingAgent\_for\_Windows\_v1.0.4.0.zip ▲ Download 161 KB Logging Agent for Windows 32bit and 64bit Zebra\_CoreScanner\_Driver\_(32bit)\_v3.07.0004.zip Download 20 MB CoreScanner Driver for Windows 32bit Zebra\_CoreScanner\_Driver\_(64bit)\_v3.07.0004.zip 2 Download 26 MB CoreScanner Driver for Windows 64bit Zebra\_Scanner\_SDK\_(32bit)\_v3.06.0006.exe Download 48 MB Scanner SDK for Windows 32bit Zebra\_Scanner\_SDK\_(64bit)\_v3.06.0006.exe Download 69 MB Scanner SDK for Windows 64bit

# 4. How to read out the MAC address

### 4.1 How to read out the MAC address

- 1. Connect the base station with a USB cable to a Windows PC.
- 2. Pair a BCS3678<sup>ex</sup> scanner with a base station.

	Data view				
Actions ▼ What do y	ou want to do	?			
Create	new configura	ation file			<ul> <li>123Scan Overvie</li> <li>How to Videos</li> </ul>
Load ex	kisting configu	ration file			0,10,10,10,000
Clone/m	nodify my con	nected scanner settings			
Update	scanner firm	ware			
Recent file	es				
- contraction -	Model	Name	Ver.	Date modified	File name and location

3. Check in the "**Data View**" menu that a base station and a scanner are visible. No further actions in "123 Scan utility" required.



### Bluetooth hand-held scanner BCS3678ex FAQ: Base station – how to read out the MAC address

- 1. = STB3678-C112F3WW is the connected base station.
- 2. = DS3678-... shows the connected BCS3678<sup>ex</sup> scanner.

### ATTENTION

Do not close the "123 Scan Utility".

Both applications must run in parallel. Otherwise, The "**SDK – C# Sample App**" is not able to read out the MAC address.

4. <u>Start the Zebra "SDK – C# Sample App" from Windows start menu.</u>

=	2		
		Zebra Scanner	
	TE	123Scan - Configuration Utility	
		123Scan - Files	
	Ø	123Scan - Online Documentatior	
	1	123Scan - Release Notes	
	7	SDK - C# Sample App	
	٢	SDK - C++ Sample App	
	Ø	SDK - Documentation and APIs	

#### 5. Select "Discover Scanners" button.

leci	ted Scanners				Barcode	Image & Video	IDC	Actions	RSM	Advanced	ScanToConnec	t Miscellane	eou: 1
C	Discover Scanners	Select Scanner		~									^
#	Com Interface	Model #	Firmware	Built									
													~
						ode Scanning — coded Barcode							~
													•
						coded Barcode Symbology	lush Mar	cro PDF	A	bort Macro P	DF	Clear	>
					Dec	coded Barcode Symbology					DF	Clear	
					Dec Keyb	coded Barcode Symbology	nd Lang		ale Detail		DF	Clear	
Soft	Trigger				Dec Keyb	coded Barcode Symbology F poard Emulation a	nd Lang	uage/Loca	ale Detail		DF	Clear	

×

- 6. A list of the connected equipment is listed in the "Connected Scanners" field.
  - STB3678-C112F3WW is the connected base station.

-	DS3678 = shows the connected BCS3678 <sup>ex</sup> scanner.
٩	Scanner SDK C# Sample Application

	ed Scanners				Barcode	Image & Video	IDC .	Actions	RSM	Advanced	ScanToConnect	Miscellaneou:
F	Rediscover Scanner	s Select Scanner 1	STB3678-C112F3WW	· ~								^
ònn	nected Scanners											
#	Com Interface	Model #	Firmware	Built								
1	SNAPI	STB3678-C112F3WW	PAACNS00-004-R00	15AUG17								
2	SNAPI	DS3678-HP2F123VZ	PAACKS00-009-R00	04AUG18								
												$\sim$
					Barc	ode Scanning						
					De	coded Barcode						
						Symbology	1					
						F	Flush Macro	PDF	A	bort Macro P	DF C	lear
					Kevt	board Emulation a	and Langua	age/Loca	le Deta	ls		
<				>		Enable Emulation	on	DEFAU	LT		4	
	Trigger			>			on	DEFAU	LT		~	
	Trigger Pull Trigger		Release Trigge		Appl	Enable Emulation lication ADF	on		ILT ie Script		Script Editor	

ParameterBarcode Event fired Total = 2 | IBMHID = 0 | SNAPI = 2 | IBMTT = 0 | HIDKB = 0 | SSI = 0 | NXMODB = 0 |

7. Select "1. RSM" and then "2. Get All IDs" as marked in the following picture.

					RSM						
R	lediscover Scanne	rs Select Scanner 1	STB3678-C112F3WW	~		ID	Туре	Property		Value	
ne	ected Scanners										
	Com Interface	Model #	Firmware	Built							
	SNAPI	STB3678-C112F3WW	PAACNS00-004-R00	15AUG17							
	SNAPI	DS3678-HP2F123VZ	PAACKS00-009-R00	04AUG18							
					K						
						ute Get/Set				Select	Clear
				>	Attrib	ute Get/Set All IDs	Next Value	Store Value	-		
Т	Ĩngger			>	Attribu 2. Get		Next Value Set Value	Store Value			Clear

### Bluetooth hand-held scanner BCS3678<sup>ex</sup> FAQ: Base station – how to read out the MAC address

#### 8. You will see in the RSM table a list of all device IDs of the connected equipment.

cte	d Scanners				Barcode	Image & Vi	ideo IDC Ad	ctions RSM Advance	ed ScanToConnect Mis	cellaneou
R	ediscover Scanner	Select Scanner 1	STB3678-C112F3WW	~		ID	Туре	Property	Value	^
					Þ	128				
inne	ected Scanners					150				
	Com Interface	Model #	Firmware	Built		256				
	SNAPI	STB3678-C112F3WW	PAACNS00-004-R00	15AUG17		257				
	SNAPI	DS3678-HP2F123VZ	PAACKS00-009-R00	04AUG18		258				
						259				
						260				
						261				
						533				
						534				
						535				
						536				
						538				
					<					>
_					Attribu	ite Get/Set			Select/Clear	
				>	Get	All IDs	Next Value	Store Value	Select	AI
t T	rigger				Get	Value	Set Value		Clear	All
í	Pull Trigger		Release Trigge	r	Get	Value	Jet value		Clear	

9. Scroll down in the list and select the ID with number 541.

Then select the button "Get Value".

ieule	d Scanners				Barcode	Image & Vi	ideo IDC A	ctions RSM Advan	ced ScanToConnect Miscel	laneou:
F	ediscover Scanners	Select Scanner 1	STB3678-C112F3WW	~		ID	Туре	Property	Value	^
						257				
onn	ected Scanners					258				
\$	Com Interface	Model #	Firmware	Built		259				
	SNAPI	STB3678-C112F3WW	PAACNS00-004-R00	15AUG17		260				
2	SNAPI	DS3678-HP2F123VZ	PAACKS00-009-R00	04AUG18		261				
						533				
						534				
						535				
						536				
						538				
					•	541				
						542				
						614				
					<					>
					Attribu	te Get/Set	-		Select/Clear	_
				>	Get	All IDs	Next Value	Store Value	Select A	
oft "	frigger				6	Value	Set Value	Lances and the second s	Class All	
	Pull Trigger		Release Trigge	r	Get	value	Set Value		Clear Al	

FAQ

10. The MAC address of the base station is written in the column "Value".

ScanToConnect Miscellaneo
Value
0x94 0xfb 0x29 0x03 0x1f 0x12
>
Select/Clear
Jeleut/Glear

11. How to create and print a new pairing barcode is described in BARTEC user manual of the BCS36x8<sup>ex</sup> scanner series.

It is available on BARTEC download page. <u>https://automation.bartec.de/scannerE.htm</u>