BARTEC

Supplementary description for user manual 11-A1S4-7D0001 Translation of the original

Hand-held scanner BCS 36x8ex series

Type 17-A1S4-*HP* ATEX / IECEx Zone 1/21 CSA Class I, II, III Division 1

Type B7-A2S4-*HP* ATEX / IECEx Zone 2/22 CSA Class I, II, III Division 2

Date: 14 November 2022

Disclaimer: We reserve the right to make technical changes. Changes, errors and misprints shall not justify any claim for damages.

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1. General about Firmware

The hand-held scanner BCS 36x8ex series has an associated firmware.

The firmware used by BARTEC is original from Zebra (manufacturer of the non Ex-version) and is not modified by BARTEC. The firmware can be read and updated via the Zebra "123 Scan Utility".

There are two different firmware versions.

- corded version of the BCS 3608ex series
- Bluetooth version of the BCS 3678ex series

List of Firmware versions:

BCS 3608ex series	BCS 3678 ^{ex} series
Actual version: Status on 14th November 2022	Actual version: Status on 14th November 2022
 Release 030 - 2022.07.01 (SAACKS00-010-R03) Release 029 - 2022.01.13 (SAACKS00-010-R00) (currently installed) 	 Release 025 - 2022.07.01 (CAACJS00-010-R03) Release 024 - 2022.01.18 (CAACJS00-010-R00) (currently installed)
Older Version:	Older Version:
Use older version of firmware (not recommended)	Use older version of firmware (not recommended)
 Release 027 - 2020.06.25 (SAACKS00-008-R00) Release 026 - 2020.04.02 (SAACKS00-007-R06) Release 002 - 2017.01.24 (SAACKS00-003-R00) 	 Release 022 - 2020.06.25 (CAACJS00-008-R00) Release 021 - 2020.04.02 (CAACJS00-007-R06) Release 011 - 2017.11.07 (CAACJS00-004-R03)

Comparison BARTEC with Zebra Model:

BARTEC model	Based on Zebra model			
	with HP Scan Engine	with ER Scan Engine		
BCS 3608ex-NI	DS3608-HP Recognized as:	DS3608-ER Recognized as:		
BCS 3608 ^{ex} -IS	DS3608-HP20313VZWW DS3608-HP20123VZWW	DS3608-ER20123VZWW		
BCS 3678 ^{ex} -NI	DS3678-HP Recognized as:	DS3678-ER		
BCS 3678 ^{ex} -IS	DS3678-HP2F123VZWW DS3678-HP2F313VZWW	DS3678-ER2F123VZWW		
Base station 17-A1Z0-0014 G7-A0Z0-0010	Recognized as: STB3678-C112F3WW			

2. 123 Scan Utility

123Scan is an easy-to-use, PC-based software tool that enables Zebra scanners to be set up quickly and easily. Supported scanners can be set up and updated via USB with this application.

Installation requirements

Hardware requirements

- Pentium Dual-Core E214 1,6GHz or Pentium Mobile Dual-Core T2060 or Pentium Celeron E1200 1,6GHz
- 2 GB RAM 1,2 GB free hard disk space
- USB-connection, 1.1 or higher, for the connection of USB scanners
- Minimum screen resolution = 1024 x 768 Pixel

For more information on installation requirements, please contact Zebra directly on the 123Scan Utility product page. 123Scan Utility is a Windows based application that is available free of charge.

Download available on:

https://www.zebra.com/us/en/support-downloads.html

- Software
- Utilities
- 123Scan Utility

3. Required Equipment

Generally required:

1 x Windows PC

With following specification:

- Windows XP, 7, 8.1 or 10
- USB interface
- Internet connection to keep 123Scan Utility up to date.

123Scan Utility must be installed on the Windows PC.





Required for corded version of the BCS	3608 ^{ex} -IS:
1 x Hand-held scanner BCS 3608 ^{ex} -IS type: 17-A1S4-1HP0 type: 17-A1S4-1ER0	Image: second
1 x USB programming cable type: 17-A1Z0-0020	



4. Perform Firmware Update

	.	~~~		
1.	Start 1	23Scan	Utility	١.

li. 123Scan						- 8
Start Dat	ta view					Barcodes * Preferences Tools * Help ·
🎝 Actions 🕶						
What do yo	u want to do?					
Create ne	ew configuratio	n file			123Scan Overview Note to Middane	
Load exis	sting configurat	ion file			() How to videos	
Clone/mc	odify my conne	cted scanner settings				
Update s						
Recent files						
Туре	Model	Name	Ver. Da	ate modified	File name and location	
_						
Marco Films						
More Files						
🔍 123Scan Uj	pdater: Your utility an	d plug-ins are up-to-date as of 14.0	5.2019, 13:2	22. View update	e history Supported scanners Release	notes Check for updates
2 Coni	nect scar	nner via USB				
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II IIE	cessary,		wing	Darco	JUES.	I
npairing	ı - option	al				
npairing) - option	al				
npairing only wher	y - option 1 using th	al ne BCS3678e	x ser	ies.		
npairing	g - option n using th	al ne BCS3678e: u Bluetooth pai	x ser	ies.		
npairinç Inly wher eletes al	g - option n using th II existing	al ne BCS3678e: j Bluetooth pai	x ser	ies. s.		
npairing nly wher eletes al	g - option n using th Il existing	al ne BCS3678e: I Bluetooth pai	x ser irings	ies. S.		Unpairing

Factory Default

Resets device to factory setting.

In factory setting, USB HID mode is enabled.



Set Factory Defaults

If a BCS3678ex is used then you need to establish pairing with your connected base station.

- 3. If scanner is connected to 123Scan Utility via PC, wait until connection is established. The scanner will normally beep to confirm.
- 4. Select "Update scanner firmware".

Create ne		-			
	w configura	ation file			() 123Scan Overview
Load exis	ting configu	aration file			U HOW ID VIGEOS
Clone/mo	dify my con	nected scanner s	ettings		
Update sc	anner firm	ware			
Recent films	Opdates	scannar(s) wich a standard	COD Caple		
ype	Model	Name	Ver.	Date modified	File name and location
re Files					

Actions *					
What do y	ou want to do	?			
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Create r	new configur	ation file		How to Viceos	
Load ex	isting configu	uration file			
1					
Clone/m	nodify my cor	nnected scan	iner settings		
Update	scanner firm	ware	Update firmware		
A Recent file	15				
Туре	Model	Name	Confirm that	t you want to update the following scanner	
1038076			6-0	S3678-STANDARD SR MODELS + CRADLE	Contraction and Contra
			THE R. L.		Release Notes:
			SI D	erial number: 17227523081548 osting: Release 004 - 2018-05-17 (SAACKSOD-004-R02)	Release Notes:
-			See	enal numberi 17227523081548 isting: Release 004 - 2038/05.37 (SAACKSOD-004-R02) pdate to: Release 021 - 2019/02.15 (SAACKSOD-806-R00) need for Underst	Release Notes: * Release SAACKS00-005-R00 * CAAKS00-005-R00 - February 2019 * CAAKS00-005-R00 - February 2019
			S S S S S S S S S S S S S S S S S S S	ena numberi 17227523083548 sisting: Release 004 - 2018.05.37 (SAACKSOD-004-R02) printe to: Release 021 - 2018.02.15 (SAACKSOD-006-R00) heact for Updates hist allemate formare	Release Notes: * Release SAACKS00-005-R00 CAACKS00-006-R00 - February 2019 CAACNS00-003-R01 - February 2019 Lucedeed Imagekii to support the following :
			S S S S S S S S S S S S S S S S S S S	enal number: 17227323081548 disting: Release 004 - 2018.05.17 (SAACKS00-004-R02) polate to: Release 021 - 2019.02.15 (SAACKS00-006-R00) heck for plottes heck for plottes	Release Notes: * Release SAACKS00-005-R00 * CAACKS00-005-R00 - February 2019 * CAACKS00-003-R01 - February 2019 1. Updated Imagekit to support the following : a. Added support for Dotcode iflar use on -HD and -
				enal numberi 1722733381548 sking: Release 004 - 2058/05.17 (SAACKS00-004-R02) pdate to: Release 021 - 2010/02.15 (SAACKS00-006-R00) head for Updates biografiematie formate wring firmware update, your scanner settings can be changed. house from the options below:	Release Notes: * Release SAACKS00-005-R00 * CAACKS00-005-R00 - February 2019 * CAACKS00-005-R01 - February 2019 1. Updated Imagekit to support the following : a. Added support for Dotcode (for use on -HD and - SR units) b. Charged MSI Check digits to include option for
More Files				enal numberi 17227533081548 sisting: Release 004 - 008.05.37 (SAACKS00-004-R02) pdate to: Release 021 - 2018.05.37 (SAACKS00-005-R00) heads for Updates sect allemate frommare uning firmware update, your scenner settings can be changed, hoose from the options below:) Option 1 - Load firmware AND Reset to factory defaults	Release Notes: * Release SAACKS00-006-R00 * CAACKS00-006-R00 - February 2019 * CAACKS00-003-R01 - February 2019 1. Updated Imagekit to support the following : a. Added support for Dotcode (for use on -HD and - SR unitg) b. Charged MSI Check digits to include option for None. c. Fix for DCR US Currency not sending the 17 as n° C1
More Files				ena numberi 17227523083548 siting: Release 004 - 2038.05.37 (SAACKSD0-004-R02) pate to: Release 001 - 2018.07.35 (SAACKSD0-006-R00) het: for Update het: alignnitie firmware wring firmware update, your scanner settings can be changed, nodal from the options below:) Option 1 - Load firmware RUT Kaep current settings (Recommended)) Option 2 - Load firmware RUT Kaep current settings (Release Notes: Release SAACKS00-005-R00 Release SAACKS00-005-R00 CAACKS00-005-R00 CAACKS00-005-R01 CAACKS00-003-R01 LUpdated Imagekit to support the following : a. Added support for Dotcode (for use on -i+D and - SR units) D. Changed MSI Check digits to include option for None. c. fix for DCR US Currency not sending the T0' as n'O' L fixes so that there is no error beep if ADF rule created the m data be incernitif for exempting a control the following
More Files				ena numberi 17227523083548 siting: Release 004 - 2038.05.37 (SAACKSOD-004-R02) pate to: Release 001 - 2018.05.37 (SAACKSOD-006-R00) heck for Update siccl aligned to Finance uning firmware update, your scanner settings can be changed, nodal from the aptions below:) Option 1 - Load firmware BUT Keep current settings (Recommended)) Option 2 - Load firmware THEN Load other settings	Release Notes: * Release SAACKS00-005-R00 * CAACKS00-005-R00 - February 2019 * CAACKS00-003-R01 - February 2019 * CAACKS00-003-R01 - February 2019 1. Updated Imagekit to support the following : a. Added support for Dotcode (for use on -I+D and - SR unit) b. Changed MSI Check digits to include option for None. c. fix for DCR US Currency not sending the 10' as n 'O' 2. Fixes so that there is no error beep if ADF rule created that has no data to transmit (for example, a rule that just

6. Preparing of the Firmware update.

Select whether the current programming is to be retained or whether the device is to be reset to factory settings after the update.

Confirm 1	that you want to update the following scanner	
	DS3678-STANDARD SR MODELS + CRADLE Senai number: 17227523051548 Existing: Release 004 - 2058.05.17 (SAACKS00-004-R02) Update to: Release 021 - 2019.02.15 (SAACKS00-006-R00) Check for Updates Select alternate frimware During firmware update, your scenner settings can be charged. Choose from the options below: Option 1 - Load firmware BUT Keep current settings (Recommended) Option 2 - Load firmware THEN Load other settings	Release Notes: * Release SAACKS00-006-R00 * CAACKS00-006-R00 - February 2019 * CAACKS00-003-R01 - February 2019 * CAACNS00-033-R01 - February 2019 * CAACNS00-035-R00 - February 2019 * CAACNS00-035-R01 - February 2019 * CAACNS00 - States - February 2019 *
DISCOVERE	Update firmware	

7. Start firmware update by selecting "Update firmware".

8. Confirm the update with "CONTINUE".

Im	portant: The	e connection m	ust not be inte	errupted to avoid	damage to the device

hat you want to update the following scanner	
DS3678-STANDARD SR MODELS + CRADLE	Release Notes:
Senal number: 17227523081548	
Existing: Release 004 - 2018.05.17 (SAACK500-004-R02)	* Rolesco, SAACKSOD, 005-R00
Upgrade firmware and reset to factory default	-R00 - February 2019
Select attemate firmware	-R01 - Pebruary 2019
	support the following :
During firmware update,	Dotcode (for use on -HD and -
Choose from the options	
O Option 1 Lood firm BACK CONTINUE	ck digits to include option for
Option 2 - Load firm	rency not sending the '0' as n '0'
O Option 3 - Cost Inmit	2. Fixes so that there is no error beep if ADF rule created
	that has no data to transmit (for example, a rule that just
	DS3678-STANDARD SR MODELS + CRADLE Serial number: 17227523081548 Existing: Release 004 - 2018.05.17 (SAACKS00-004-R02) Update to: Release 001 Check for Updates Select attemate forware During firmware update, Check for Update During firmware update, Confirm you want scanner set BACK CONTINUE Option 1 - Load firm Option 3 - Load firm

9. Update starts.

Update history is indicated by progress bar.

Confirm that you war	it to update the following scanner	
DS3678-ST	ANDARD SR MODELS + CRADLE	
Serial number: 1 Existing: Rai	7227523081548 ease 004 - 2018.05.17 (SAACKS00-004-R02)	
Update to: Rel	esse 021 - 2019/02/15 (SAACKSOO-006-R00)	
	Step 1 - Initializing firmware update	
	A Do NOT disconnect scanner.	
Oposte nim	Were	
DISCOVERED SCANNER US		CLOS
seungs		
Jpdate firmware		
Confirm that you war	at to undate the following scanner	
Commit that you war		
- DOCTO OT	ANDARD SR MODELS + CRADLE 7227523081548	
DS3678-ST. Senal number: 1		
DS3678-STA Senai number: 1 Existing: Rel Update to: Rel	lease 004 - 2018-05-17 (SAACKS00-004-R02) ease 021 - 2019-02-15 (SAACKS00-006-R00)	
DS3678-STA Senal number: 1 Existing: Rel Update to: Rel	eese 004 - 2018.05.17 (SAACKSOD-004-R02) lesse 021 - 2019.02.15 (SAACKSOD-006-R00)	
DS3678-STA Serial number: 1 Existing: Rel Update to: Rel	eesse 004 - 2018.05.17 (SAACKSOO-004-R02) leesse 021 - 2019.02.15 (SAACKSOO-006-R00)	
DS3678-STA Senal number: 1 Existing: Rel Update to: Rel	ease 021 - 2019.02.15 (SAACKS00-006-R00) lease 021 - 2019.02.15 (SAACKS00-006-R00) Step 2 - Updating firmware	
DS3678-STA Senal number: 1 Existing: Rel Update to: Rel	ease 021 - 2019.02.15 (SAACKSOD-006-RDD) lease 021 - 2019.02.15 (SAACKSOD-006-RDD) Step 2 - Updating firmware	
DS3678-STA Senial number: 1 Existing: Rel Update to: Rel	Interes 004 - 2018-05-17 (SAACKSOD-004-R02) Interes 021 - 2019-02-15 (SAACKSOD-006-R00) Step 2 - Updating firmware Do NOT disconnect scanner.	
DS3678-STA Senial number: 1 Existing: Rel Update to: Rel	Interes 004 - 2018.05.17 (SAACKSOD-004-RDD) Step 2 - Updating firmware Do NOT disconnect scanner.	
DS3678-ST. Senal number: 1 Existing: Rel Update to: Rel	Interes 004 - 2018.05.17 (SAACKSOD-004-RD7) Interes 021 - 2019.02.15 (SAACKSOD-006-RD0) Step 2 - Updating firmware Do NOT disconnect scanner.	

10. Update successfully completed. Close the menu with "**Close**".

Confirm	that you want to up	date the following scanner	
	DS3678-STANDAR Senal number: 1722752308 Existing: Release 004 - Update to: Release 021 -	D SR MODELS + CRADLE 1548 2018.05.17 (SAACK500-004-R02) 2019.02.15 (SAACK500-006-R00)	
		Scanner not discoverable. Reconnect scanner and try again.	
	Update firmware		

11. Check if update was successful.

Open the **"Update scanner firmware"** again and compare the installed version with the available one. Both displayed versions must be identical.

Confirm	that you want to update the following scanner				
	DS3678-STANDARD SR MODELS + CRADLE Senal number: 17227523081548 Existing: Release 021 - 2019.02.15 (SAACKS00-006-R00) Update to: Release 021 - 2019.02.15 (SAACKS00-006-R00)	Release Notes: * Release SAACKS00-005-R00 * CAACKS00-005-R00 - February 2019			
	Select alternate firmware During firmware update, your scanner settings can be changed. Choose from the options below: Option 1 – Load firmware BUT Keep current settings (Recommended) Option 2 – Load firmware AND Reset to factory defaulte Option 3 – Load firmware THEN Load other settings	 Updated Imagekit to support the following : Added support for Dotcode (for use on -HD and -SR units) Changed MSI Check digits to include option for None. Fix for OCR US Currency not sending the '0' as n 'O' Fixes so that there is no error beep if ADF rule created that has no data to transmit (for example, a rule that just 			