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**
- **BCS3678ex-NI and base station**

Status: May 2021

Reservation: Technical data subject to change without notice. Changes, errors and misprints may not be used as a basis for any claim for damages.

BARTEC GmbH
Max-Eyth-Straße 16
97980 Bad Mergentheim
GERMANY

Fon: +49 7931 597-0
Fax: +49 7931 597-119

Support: em-support@bartec.com
Download: http://automation.bartec.de
Internet: www.bartec.com

1. Information of this FAQ 2
1.1 Reference documents 2
2. Possible reason 4
3. Required software 4
4. How to read out the MAC address 6
4.1 How to read out the MAC address 6

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
ⓘ	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.
➥	Indication of the results of a step or of several steps for monitoring success.

1.1 Reference documents

ⓘ 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: • BCS3608ex • BCS3678ex	It contains: • 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. • Guidelines on commissioning and the safe use of hand-held scanners (including installation, safety information related to explosion protection and information regarding programming)

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

2. Possible reason

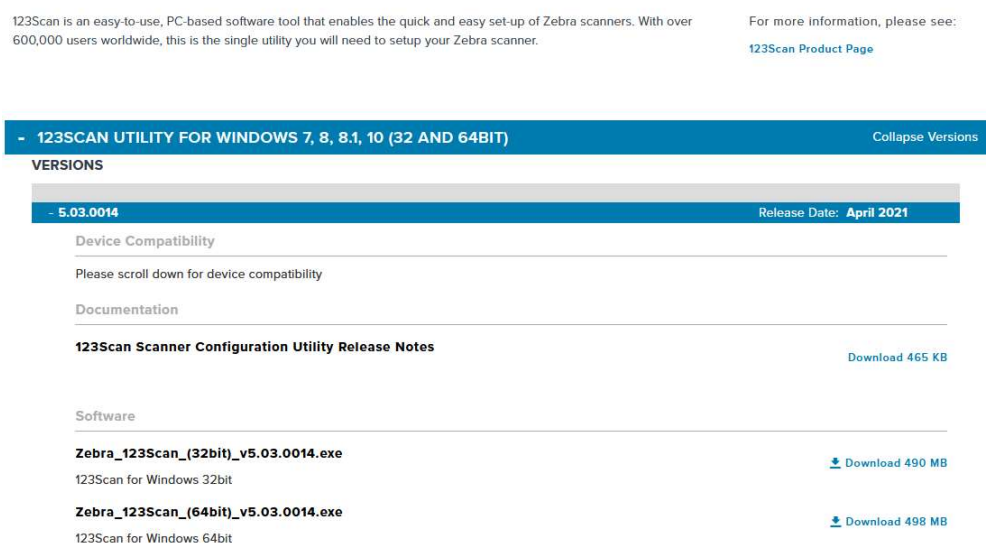
A possible reason for reading the MAC address can be the loss of the type label (with MAC address) and the pairing barcode.

3. Required software

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

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:



2. Zebra scanner SDK for Windows

Download and install:
https://www.zebra.com/us/en/support-downloads/software/developer-tools/scanner-sdk-for-windows.html
Download and install the latest version of the Zebra Scanner SDK for Windows.

Example screenshot:

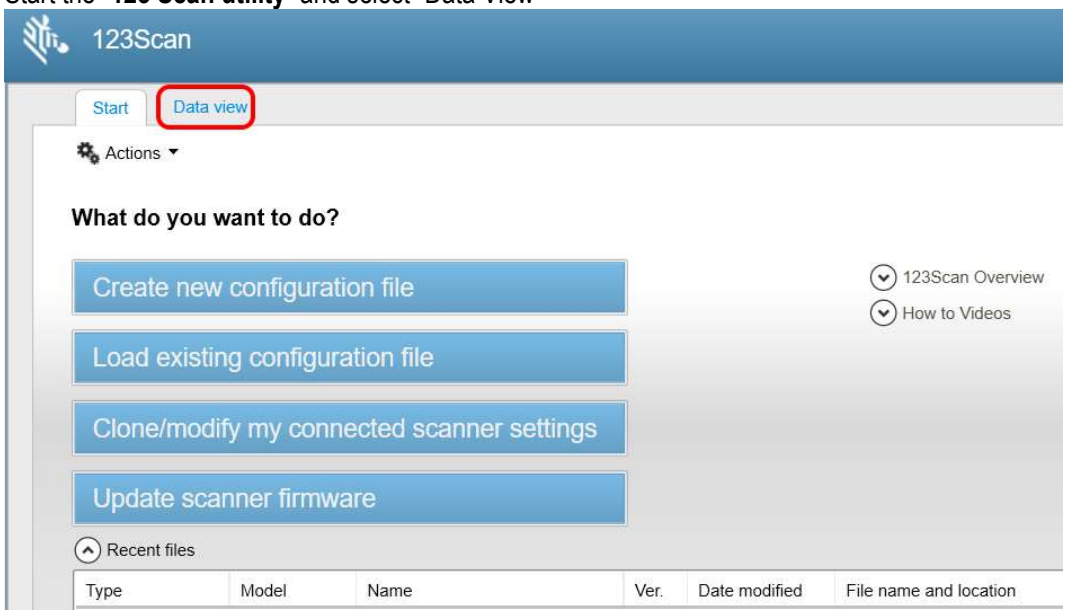
4. How to read out the MAC address

4.1 How to read out the MAC address

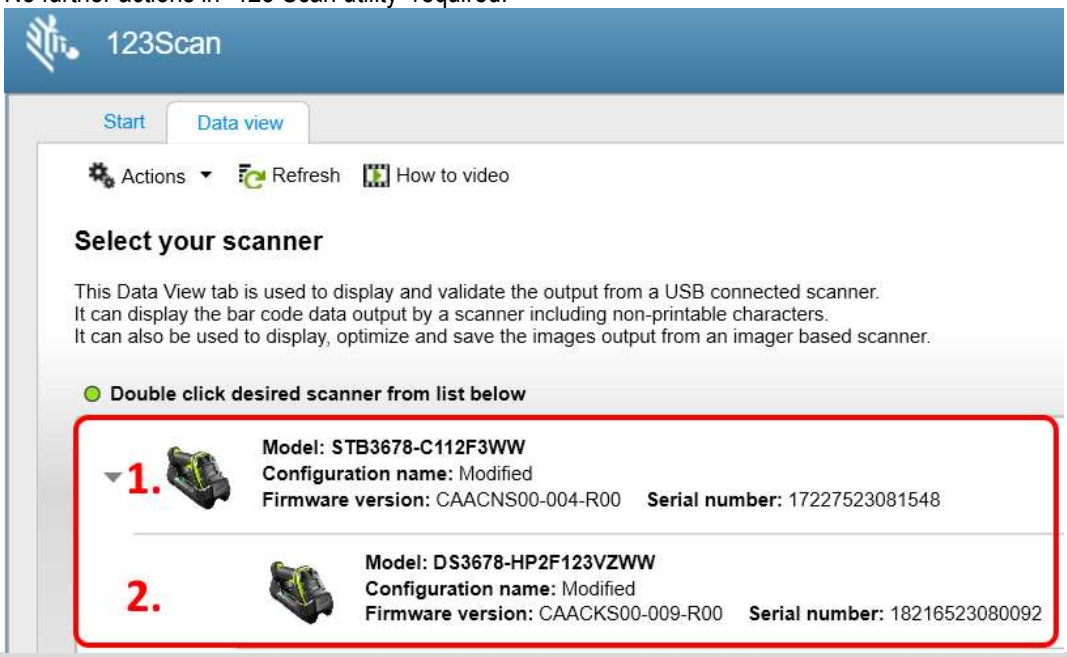
1. Connect the base station with a USB cable to a Windows PC.

2. Pair a BCS3678ex scanner with a base station.

   Start the "**123 Scan utility**" and select "Data View"



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

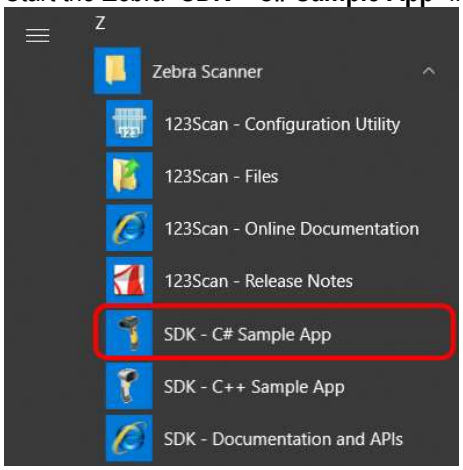


- 1. = STB3678-C112F3WW is the connected base station.
- 2. = DS3678-… shows the connected BCS3678ex scanner.

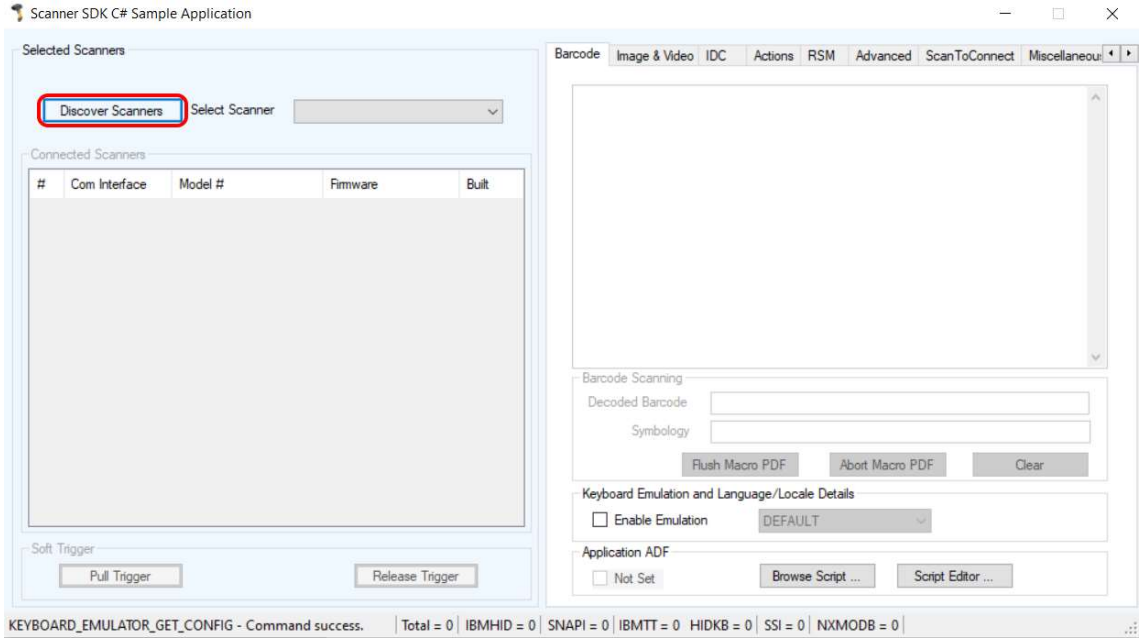
ATTENTION

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.

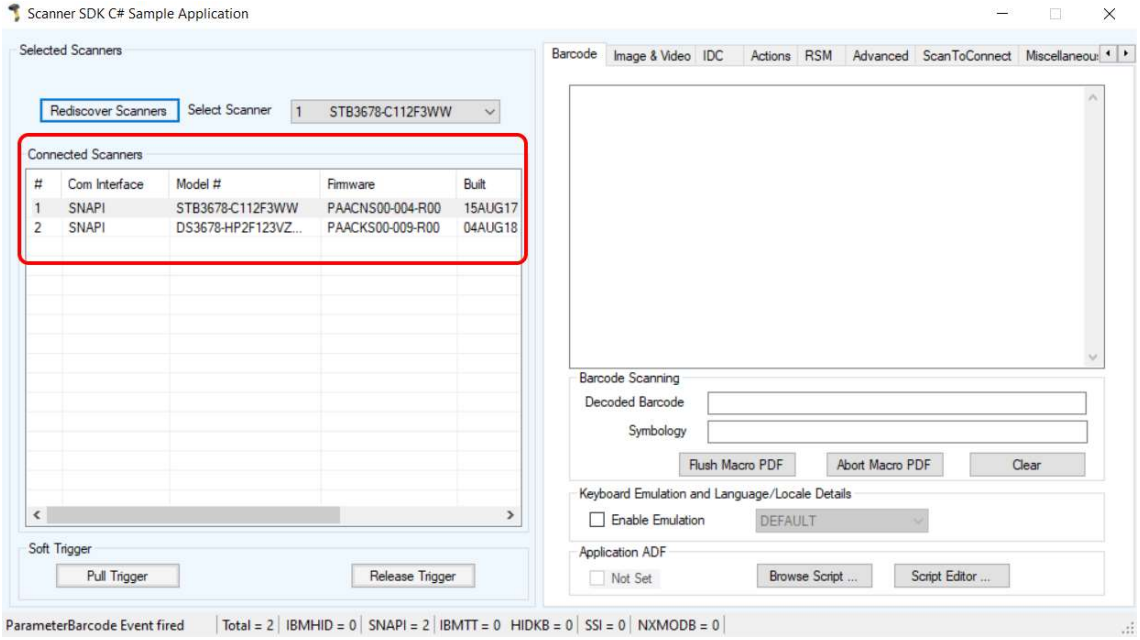
4. Start the Zebra "**SDK – C# Sample App**" from Windows start menu.



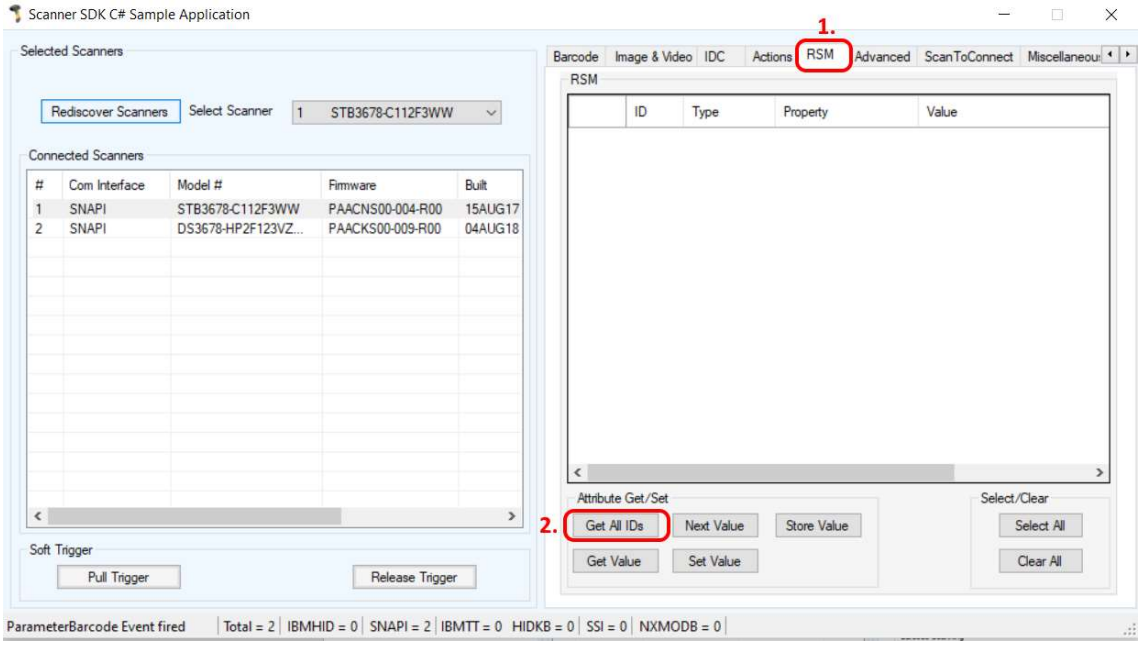
5. Select "**Discover Scanners**" button.



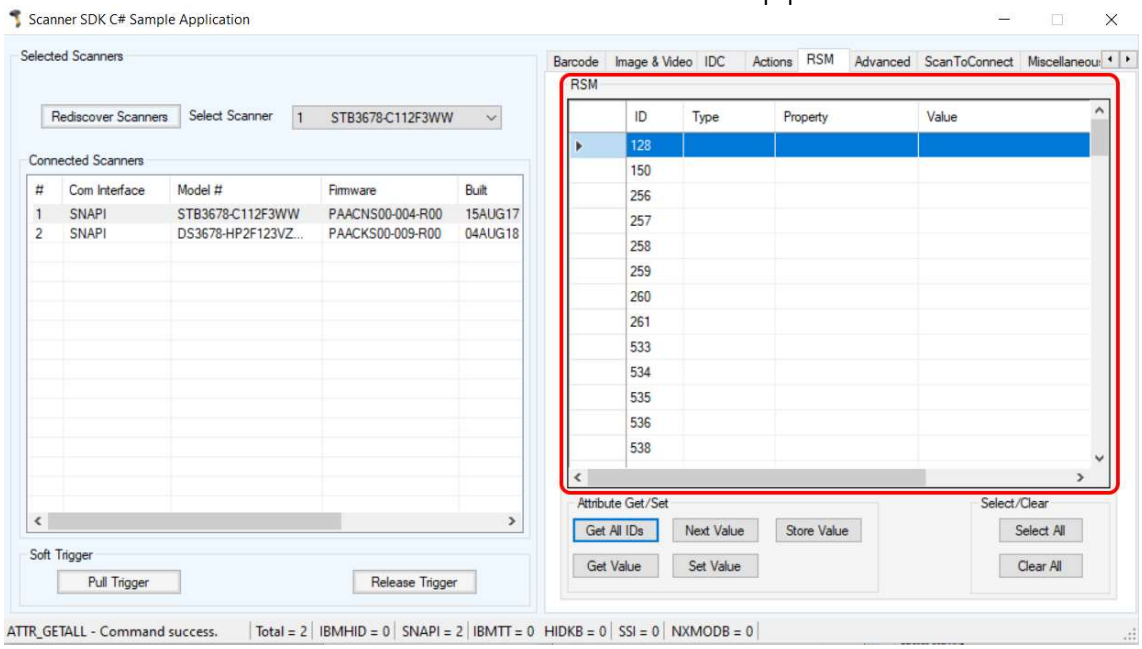
6. A list of the connected equipment is listed in the "**Connected Scanners**" field.
   - STB3678-C112F3WW is the connected base station.
   - DS3678-… = shows the connected BCS3678ex scanner.



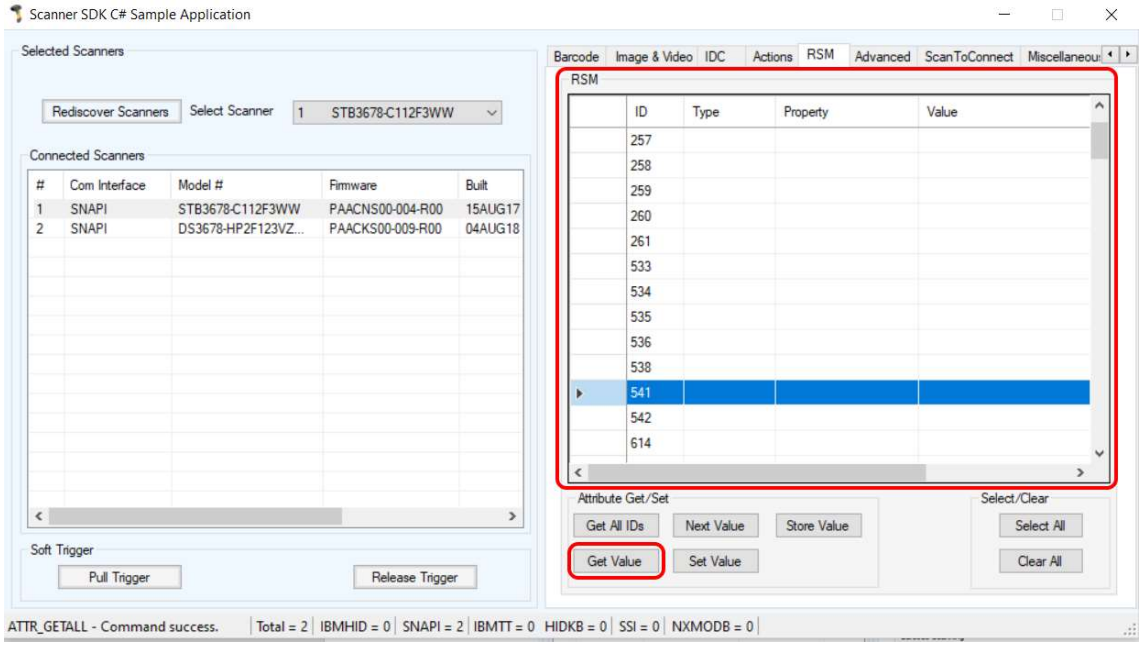
7. Select "**1. RSM**" and then "**2. Get All IDs**" as marked in the following picture.



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

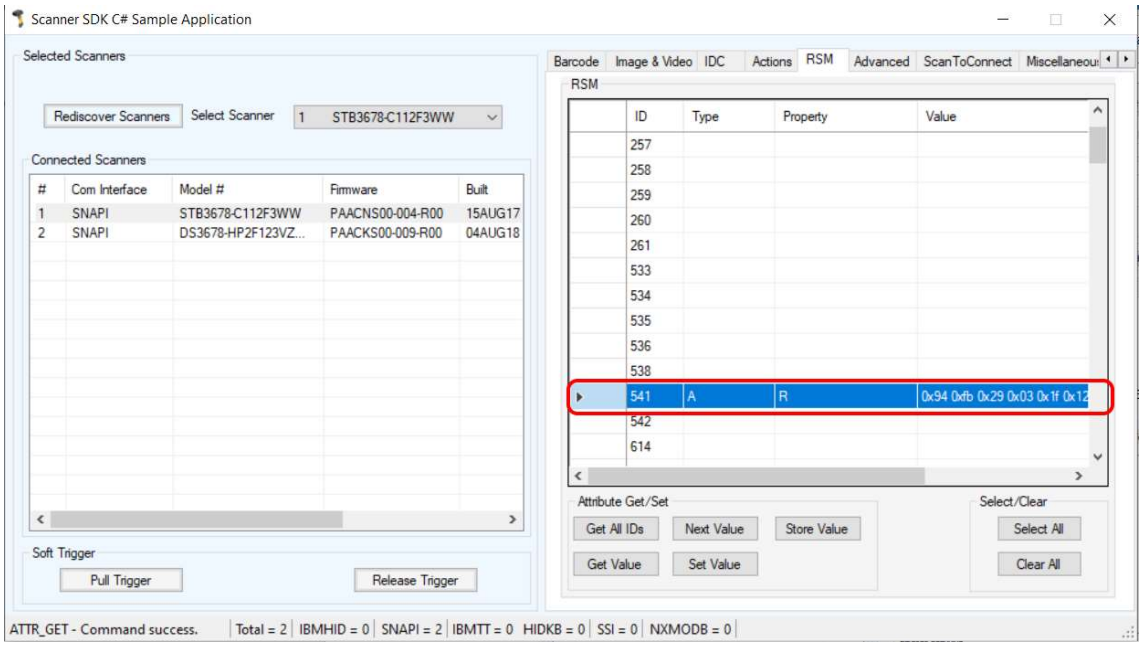


9. Scroll down in the list and select the ID with number 541.
Then select the button "**Get Value**".



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

0x94 0xfb 0x29 0x03 0x1f 0x12	MAC address in this example is **94 FB 29 03 1F 12**



11. How to create and print a new pairing barcode is described in BARTEC user manual of the BCS36x8ex scanner series.
    It is available on BARTEC download page.
    https://automation.bartec.de/scannerE.htm