



Bluebox EPC Programming using BlueBox Show

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Connect to the device.

Under the heading "ISO 18000-6C" there is the sub-item "Program EPC":

BLUEBOX OEM UHF 1 CHANNEL

Commands

- Configuration
- Spontaneous Configuration
- I/O Configuration
- RF Configuration
- EPC C1G2 Configuration
- Dynamic Power Configuration
- Data Request
- Queue Request
- Output
- Reader Status
- RF Reading Test
- RF Power Test
- RF Sensitivity Test
- RF ON/OFF
- ISO 18000-6C
 - Inventory
 - Program EPC**
 - Read
 - Write
 - BlockWrite
 - Lock
 - Kill
 - Monza 4QT
 - Magnus S2
 - Magnus S3

ISO 18000-6C - Program EPC

Tag's ID:

Password:

EPC:

Hier zunächst einen Datenträger aufsuchen lassen.

Send

Found data tags are displayed in this dialog:

BLUEBOX Show

Select a tag in the table below.

ID
PC = 30 00, EPC = E2 00 00 17 57 18 01 46 20 50 43 C9, CRC = B8 CE ISO 18000-6C

Ok **Cancel**


Select the desired data carrier here, the EPC is automatically accepted after clicking [OK]:

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ISO 18000-6C - Program EPC

Tag's ID: 

Password:

EPC:

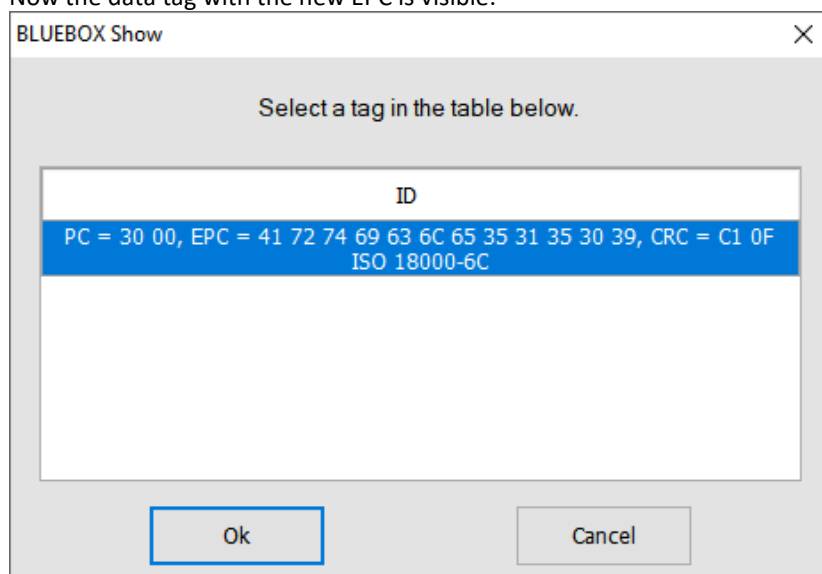
Hier wird jetzt der hexadezimale Wert von „Article51509“ einkopiert.

Send

Mit Klick auf [Send] wird der neue EPC auf den Datenträger geschrieben.

To check, click on the magnifying glass again to search for data tags.

Now the data tag with the new EPC is visible:



On this website the text "Article51509" has been converted to its hexadecimal form:

The screenshot shows the SCADACore website's 'Online Checksum Calculator' tool. The browser address bar shows the URL: www.scadacore.com/tools/programming-calculators/online-checksum-calc.... The website header includes the SCADACore logo and navigation links: Home, Live, Products, Applications, Industries, Partners, Resources, Tools, and Contact. The main content area features a banner with four articles: 'Microhard Modem SIM Insert Orientation', 'SCADACore Introduces New Initiative To Provide HSE and Cloud-Ready Monitoring', 'SCADACore Announces New Cloud-Ready Heat Stress', and 'SCADACore Live - New Update: Real-Time Remote Monitoring'. Below the banner, the 'Online Checksum Calculator' section explains that the tool allows finding the checksum of an input string (ASCII or Hex) to verify the checksum algorithm used by a device. The calculator interface has two input fields: 'Hex Input' with the value '41727469636C6553531353039' and 'ASCII Input' with the value 'Article51509'. There are buttons for 'AnalyzeDataHex' and 'AnalyzeDataAscii'. The calculator is set to 'Checksum8 Xor'.

Appendix: EPC Memory Bank

Byte Address	Contents
0	CRC (Checksum)
2	PC (Protocol Control, configuration of the EPC)
4	EPC Bytes 1 + 2
6	EPC Bytes 3 + 4
8	EPC Bytes 5 + 6
10	EPC Bytes 7 + 8
12	EPC Bytes 9 + 10
14	EPC Bytes 11 + 12