CR50	CCD scan engine with integrated decoder

Connection and commissioning of the CR50 starter kit (50126081)

The short instructions for installing the corresponding driver and the *Sensor Studio* configuration software can be found on the last page of this document.

Switching off the computer

Information on switching off and shutting down the connected computer - which must always be performed before connecting peripheral devices, such as a scanner - can be found in the appropriate operating instructions for your computer.

Connecting to a PC - Sensor Studio

The *Sensor Studio* configuration software provides a graphical user interface for the operation, configuration and diagnosis of many products from the Leuze company. If necessary, the *Sensor Studio* configuration software can be installed from a USB memory stick (CR50 graphical user interface).

NOTICE
Login with administrator privileges is required for installation.

Connecting the CR50 starter kit to the USB interface (COM port emulation)

Operation of the CR50 starter kit as serial interface on a USB port is described in this section. With this operating mode, a COM interface is emulated. The read data are sent to a new COM interface. The driver with which this COM interface is emulated is included on the USB memory stick, which is part of the starter kit.

Connection diagram:
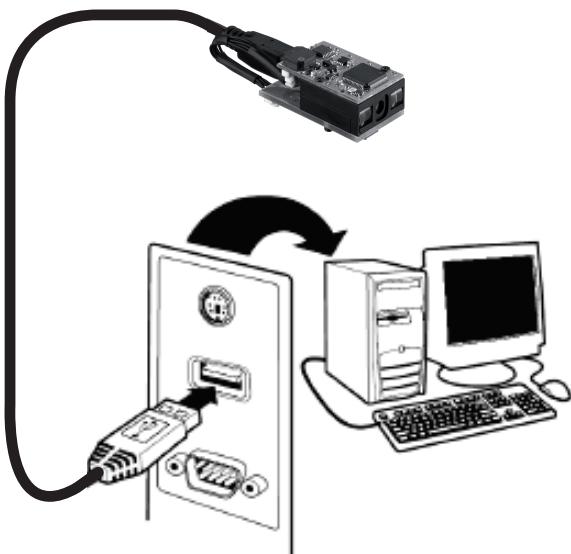
Procedure for the installation of the software and hardware:

1. Install the USB serial driver (administrator privileges required).
2. If necessary, install the *Sensor Studio* configuration software (administrator privileges required).
3. Plug in the USB interconnection cable with one end in a free USB port on the computer and the other end in the Micro USB socket on the CR50 module.
4. The scan engine acknowledges this connection with a beep.
5. The scan engine can now be configured via the *Sensor Studio* configuration software. The values of the decoded codes can be displayed in the terminal on the Diagnostics tab.

Sensor Studio configuration software

The *Sensor Studio* configuration software provides a graphical user interface for the operation, configuration and diagnosis of the CR50 scan engine. It is structured according to the FDT/DTM concept.

Example bar codes

Code 128
10 Digits – 10mil (254μm)
Data: *CR50-12345*

CR50-12345

Code 93
9 Digits – 10mil (254μm)
Data: *CR50-C93!*

CR50-C93!

Codabar
10 Digits – 10mil (254μm)
Data: *0123456789*

0123456789

Interleaved 2 of 5 (With Check Digit)
10 Digits – 10mil (254μm)
Data: *9875896589*

9875896589

Code 39
4 Digits – 10mil (254μm)
Data: *CR50*

CR50

Code 128
4 Digits – 10mil (254μm)
Data: C128

C128
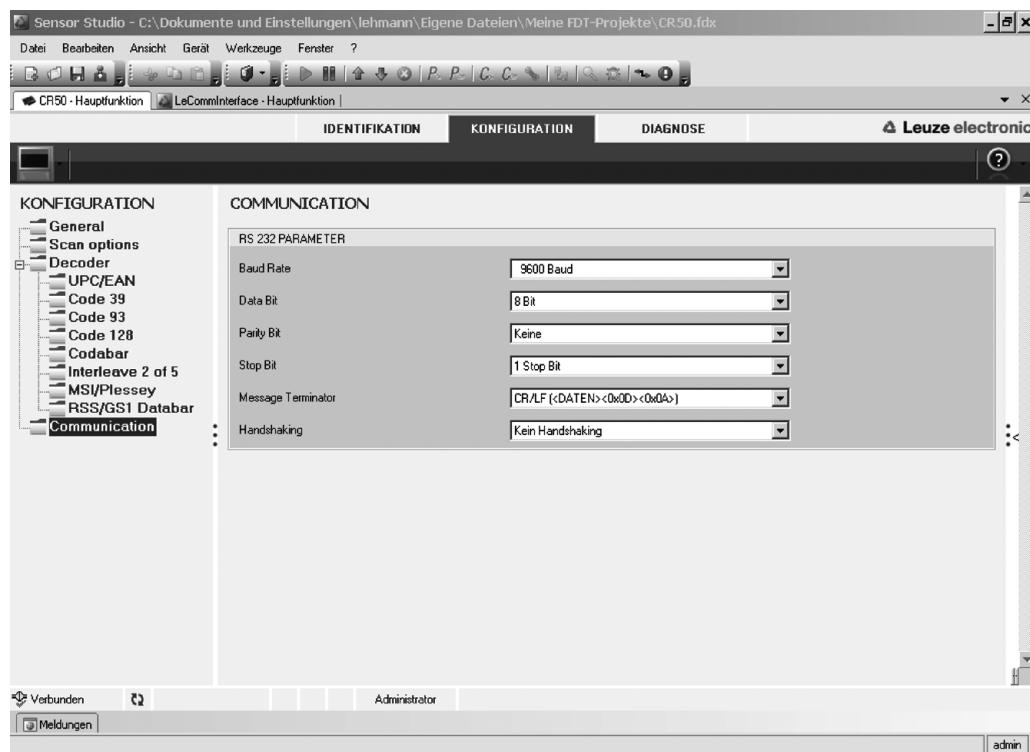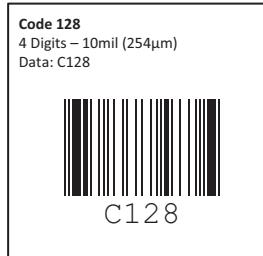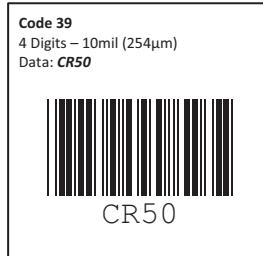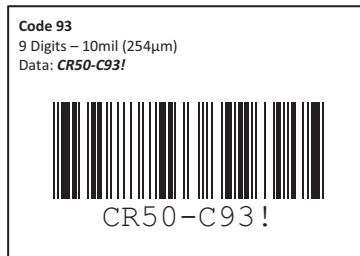
Reset to factory settings

To do this, scan the following codes in sequence.

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CR50-Starterkit
SOS Barcodes

Enter Programming Mode

%+$.$

Reset to Factory Defaults

%++%

Exit Programming Mode

%$$%

Scan Codes In Order ➡

Quick Start Guide

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CR 50 Demo Kit
Quick Start Guide

1 Unpack

Contains static sensitive devices! Please handle with care.

Kit Contains:
- CR 50 Scan engine fully assembled at a PCB board with USB Micro B-socket
- USB Cable
- Flash Stick with Drivers & Documentation

2 Install USB Drivers

The USB drivers must be installed before connecting the CR 50 to the PC!

On the included Flash Drive, choose the x64 or x86 installer under 'USB Driver Install' that corresponds to your version of Windows.
x64 = 64bit system
x86 = 32bit system

3 Connect CR 50 Demo Kit!

Connect the USB cable to the CR 50 Demo Kit and to the PC.

Once Windows finishes installing the device, the GUI can be used to configure the reader.

If neccessary, the configuration software 'sensor studio' can be installed from the USB stick. (CR50 grahical user interface)

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