



## Quickstartguide for RFID Readers with DESFire Communication Protocol (R-DT-EVO-DES, R-STICK-EVO-DES)

### Function Description

This RFID device can be either operated either in **full read/write mode** or set to an **automatic read mode** (UID only). This automatic read mode is volatile with current FW versions. In case you need this automatic read mode, please add a note on your order. After sales: please contact our support for a FW update.

To operate the device, you have to download the SDK on our Website, you can find the links on the rear side!

**When in automatic read mode, it can cause problems reading more than the UID from a data tag.**

### USB Driver Installation

If the device is connected to a PC for the first time, it can take some time for automatic installation of the Silicon Labs 210x Series VCP driver. If this is the case, please wait until this is fully done.

Normally the USB drivers are automatically installed with Windows operating systems. In rare cases it is possible, that automatic installation fails. Then perform a manual installation. You can download the latest drivers here: <http://www.silabs.com/products/mcu/pages/usbtouartbridgevcpdrivers.aspx>

### Connecting to the read/write Software RFIDReader.exe

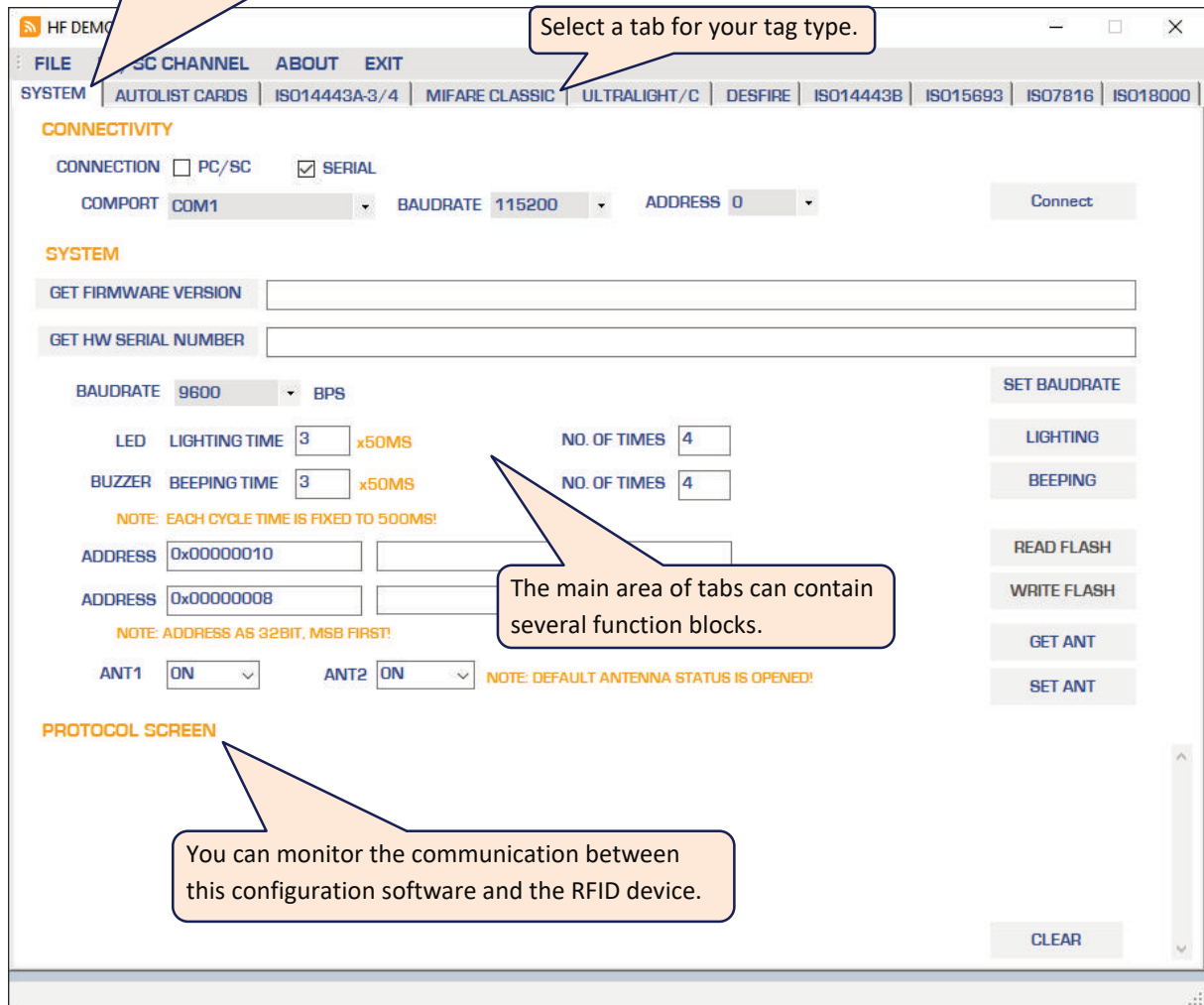
When you installed the driver and be sure that the reader is in read/write mode you can connect with the test/demo software "COMMyyyymmdd.exe" software.

First connect the reader, then open the software, the right comport should be automatically selected by the software. Then click on [ CONNECT ]. For more information about this software, please refer to our SDK.

The link to the SDK you find on the bottom of this page or on our website : <https://www.idtronic-rfid.com>

## Quick Overview on the Test/Demo Software

Tab "System" is for software and device settings.



Select a tab for your tag type.

CONNECTIVITY  
 CONNECTION  PC/SC  SERIAL  
 COMPORT COM1 BAUDRATE 115200 ADDRESS 0 Connect

SYSTEM  
 GET FIRMWARE VERSION  
 GET HW SERIAL NUMBER  
 BAUDRATE 9600 BPS SET BAUDRATE  
 LED LIGHTING TIME 3 x50MS NO. OF TIMES 4  
 BUZZER BEEPING TIME 3 x50MS NO. OF TIMES 4  
 NOTE: EACH CYCLE TIME IS FIXED TO 500MS!  
 ADDRESS 0x00000010  
 ADDRESS 0x00000008  
 NOTE: ADDRESS AS 32BIT, MSB FIRST!  
 ANT1 ON ANT2 ON NOTE: DEFAULT ANTENNA STATUS IS OPENED!  
 READ FLASH  
 WRITE FLASH  
 GET ANT  
 SET ANT  
 CLEAR

The main area of tabs can contain several function blocks.

PROTOCOL SCREEN  
 You can monitor the communication between this configuration software and the RFID device.

## Download SDK and Get Support



<https://tinyurl.com/utkv736>



<mailto:support@idtronic.zendesk.com>