

DEVELOPMENT KIT - MINI READER

Quick Start Guide


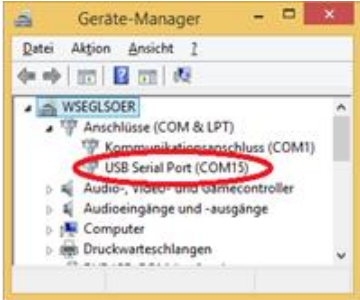
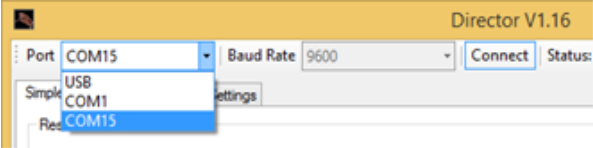


The Mini Reader is a device for reading and writing RFID transponders. It can communicate with a large range of transponder types in the frequency range of 13.56MHz. This Development Board allows investigation of the most important interfaces of the Mini Reader module, like UART (via USB), GPIO and SAM.

Package Contents:

- Development Board
- Mini Reader
- MIFARE Transponder
- Cable Micro USB / USB-A
- Rubber feet

Getting Started

1. Connect Mini Reader	<p>To work with the Mini Reader, connect the module in the appropriate connector of the Development Board.</p> <p>IMPORTANT: Please be sure to connect the module in the right way (the marking for pin 1 of Development Board and Mini Reader should match). Otherwise the Mini Reader could be destroyed!</p>
2. Cable Connection	<p>In order to start operating a Mini Reader, it simply has to be connected to a host. Plug in the USB Cable with the Mini USB plug to the Development Board and the other one to a PC.</p>
3. Power Up	<p>Once the Board is connected to the host, a driver must be installed. If this is not done automatically, you can download the driver for your operating system on the FTDI website: http://www.ftdichip.com/Drivers/VCP.htm</p> <p>When the driver installation is finished, a new virtual COM port is installed on the PC. Now you can set up a connection to the Mini Reader using this COM port.</p>
4. Operation	<p>Mini Reader</p> <p>The easiest way to communicate with the Mini Reader is the software SmartISO.exe which you can find in the MifareNFCDevPack107. You can download the DevPack at: http://www.elatec-rfid.com/download-center</p> <p>To setup a serial connection to the reader, just select the previously installed virtual COM port (see 3.3), set the baud rate to 9600 and click the button  <i>Connect</i>.</p> <p>Once the serial connection is established, you can click <i>Start</i> on the tab <i>Read Serial Numbers</i>.</p> <p>TWN4 MultiTech HF Mini Reader</p> <p>It is very convenient to operate the TWN4 MultiTech HF Mini Reader with the <i>Director</i> software tool, which you can find in the base directory of the TWN4 DevPack.</p> <p>First you need to find the right COM port in the Device Manager.</p>  <p>Select the appropriate COM port in Director and press the button <i>Connect</i>.</p>  <p>After the connection is established, you can search for transponders by clicking the button <i>Search</i> (search once) or activate the checkbox <i>Cycle</i>.</p>
5. Detection of a Transponder	<p>Now just place a transponder near the Mini Reader and the SmartISO Software will show the UID in the log window!</p>

Order Code for DevKit Mini Reader TWN4 MultiTech HF Mini Reader	T3MK-F which includes Mini Reader T4MK-F which includes TWN4 MultiTech HF Mini Reader
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