

FEITIAN

iR301E7 Update Tool

User manual



Feitian Technologies Co., Ltd.

Website: www.FTsafe.com

Revision History:

Date	Revision	Description
Feb. 2014	V1.0	Release of the first version
June 4, 2014	V1.1	Release of the second version
June 29, 2014	V1.2	Support Windows 8
October 14, 2016	V1.3	Solve multi-reader connect issue Improve user experiences
Oct 27, 2023	V1.4	Add update firmware operation for iR301E7

Software Developer's Agreement

All Products of Feitian Technologies Co., Ltd. (Feitian) including, but not limited to, evaluation copies, diskettes, CD-ROMs, hardware and documentation, and all future orders, are subject to the terms of this Agreement. If you do not agree with the terms herein, please return the evaluation package to us, postage and insurance prepaid, within seven days of their receipt, and we will reimburse you the cost of the Product, less freight and reasonable handling charges.

1. Allowable Use – You may merge and link the Software with other programs for the sole purpose of protecting those programs in accordance with the usage described in the Developer's Guide. You may make archival copies of the Software.
2. Prohibited Use – The Software or hardware or any other part of the Product may not be copied, reengineered, disassembled, decompiled, revised, enhanced or otherwise modified, except as specifically allowed in item 1. You may not reverse engineer the Software or any part of the product or attempt to discover the Software's source code. You may not use the magnetic or optical media included with the Product for the purposes of transferring or storing data that was not either an original part of the Product, or a Feitian provided enhancement or upgrade to the Product.
3. Warranty – Feitian warrants that the hardware and Software storage media are substantially free from significant defects of workmanship or materials for a time period of twelve (12) months from the date of delivery of the Product to you.
4. Breach of Warranty – In the event of breach of this warranty, Feitian's sole obligation is to replace or repair, at the discretion of Feitian, any Product free of charge. Any replaced Product becomes the property of Feitian.

Warranty claims must be made in writing to Feitian during the warranty period and within fourteen (14) days after the observation of the defect. All warranty claims must be accompanied by evidence of the defect that is deemed satisfactory by Feitian. Any Products that you return to Feitian, or a Feitian authorized distributor, must be sent with freight and insurance prepaid.

EXCEPT AS STATED ABOVE, THERE IS NO OTHER WARRANTY OR REPRESENTATION OF THE PRODUCT, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

5. Limitation of Feitian's Liability – Feitian's entire liability to you or any other party for any cause whatsoever, whether in contract or in tort, including negligence, shall not exceed the price you paid for the unit of the Product that caused the damages or are the subject of, or indirectly related to the cause of action. In no event shall Feitian be liable for any damages caused by your failure to meet your obligations, nor for any loss of data, profit or savings, or any other consequential and incidental damages, even if Feitian has been advised of the possibility of damages, or for any claim by you based on any third-party claim.
6. Termination – This Agreement shall terminate if you fail to comply with the terms herein. Items 2, 3, 4 and

5 shall survive any termination of this Agreement.

Firmware update tool manual

Download iR301 SDK from FEITIAN server, and get into `./Tools/Update_Tool/iR301E7_Firmware_UpdateTool` folder.

We can see a file name: **iR301E7V3_Firmware_UpdateTool.exe**, which is the update tool specifically used for updating firmware of iR301E7 series readers.

This tool should be run on a Windows PC.

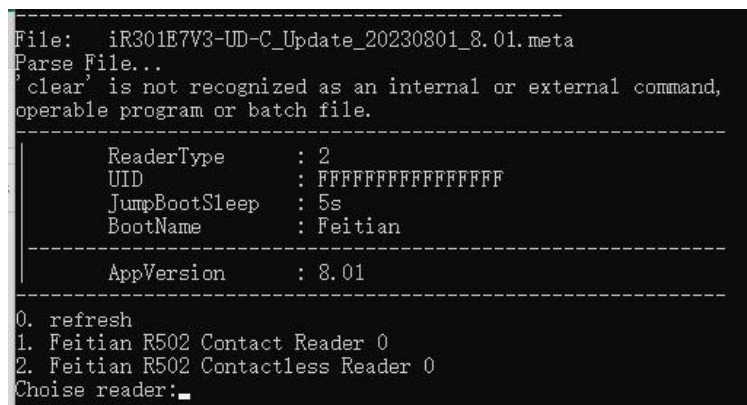
This tool runs in console mode.

Before using update too, below you need to know:

- Make sure your system has install .net framework
- The tool support Windows XP, Vista, Windows 7, Windows 8, Windows 8.1, Windows 10, include x86 and x64, make sure you are using one of them

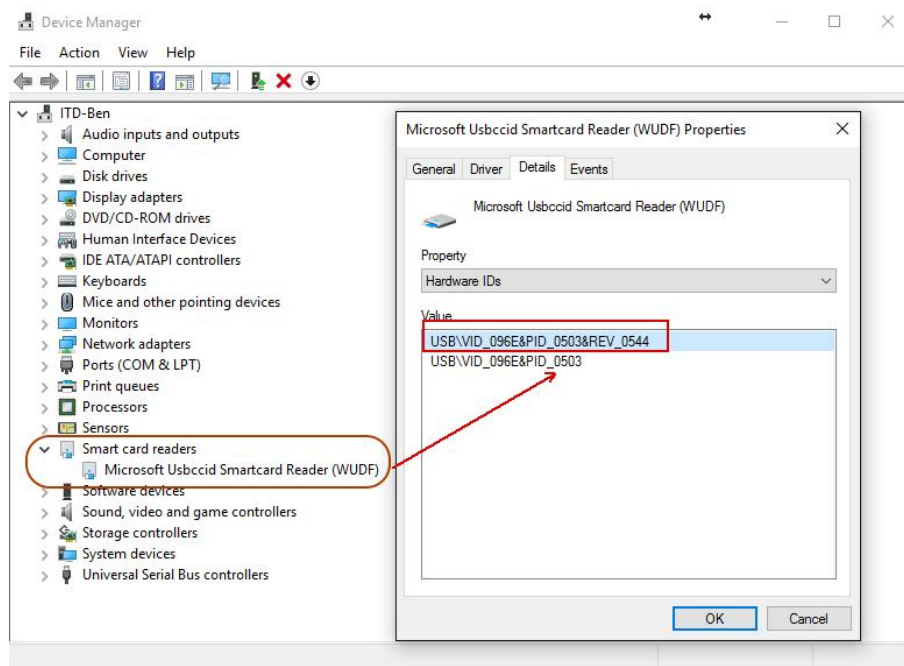
Operation Steps:

- Insert the iR301E7 reader first.
- Open file “**iR301E7V3_Firmware_UpdateTool.exe**”. It would show like this. The console would let you type a number to select the reader.



```
File: iR301E7V3-UD-C_Update_20230801_8.01.meta
Parse File...
'clear' is not recognized as an internal or external command,
operable program or batch file.
-----
ReaderType      : 2
UID             : FFFFFFFFFFFFFFFF
JumpBootSleep   : 5s
BootName        : Feitian
-----
AppVersion      : 8.01
-----
0. refresh
1. Feitian R502 Contact Reader 0
2. Feitian R502 Contactless Reader 0
Choise reader:_
```

- Type the number that is iR301, then press Enter key, then wait for the updating process to done.
- After update process done, you can re-plug your reader and check the reader's REV should be the updated version in “Device Manager” of the PC.



- **Troubleshooting:**

1. If update tool says: “Notice: regedit changed, please replug reader!”

Please do re-plug the reader.

2. If update tool says: “Notice: EraseByPage :: ffffffff()!”

Please re-plug reader and running application do updating again

3. If update tool says: “Notice: No Device!!!”

Please check your reader has connected to PC with USB port correctly (or if you use a VMware, then check your reader hasn't connect to VMware). The error means haven't found your reader.

4. If update tool says: “Notice: SCardControl :: 79()”:

Please check your reader firmware version, this update tool only used for iR301E7 series reader.