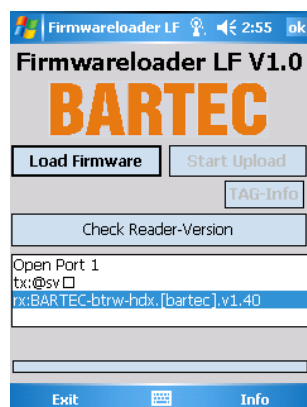


Operating Manual

Firmwareloader LF V1.0



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1. General



Note

Firmwareloader LF V1.0 and the firmware files are only needed by using the RFID LF version!

For the HF and UHF version it is not necessary to install the Firmwareloader.

This PPA-software enables you to make a firmware update at the LF-reader. There are 3 different firmware versions which support different transponder types.

Firmware version Btrw-rw.V.1.40.frm	Firmware version Btrw-hdx.V.1.40.frm	Firmware version Btrw-ti.V.1.40.frm
HITAG S256	HDX -RO	EM 4450/4550
HITAG S 2 kbit	HDX (Multipage)	EM4xxx(UNIQUE)
HITAG 1	EM4xxx(UNIQUE)	FDX-B
HITAG 2	FDX-B	BDE
Q5	BDE	ISO 11784/5
ATA5567	ISO 117845	ISO Animal
EM4305	ISO Animal	

Firmware	FW type	Tag	Read Write	Frequency kHz
Btrw-rw.V.1.40.frm	Type 1	HITAG S / HITAG 1	RW	125
	Type 3	Q5 / ATA5557 / ATA5567	RW	125
	Type 5	HITAG 2	RW	125
	Type 6	EM4305	RW	125/134
Btrw-hdx.V.1.40.frm	Type 0	EM 41xx (UNIQUE)	RO	125
	Type 2	FDX-B / ISO 117845	RO	134
	Type 4	HDX Transponder (TI)	RW	134
Btrw-ti.V.1.40.frm	Type 0	EM 41xx (UNIQUE)	RO	125
	Type 2	FDX-B / ISO 117845	RO	134
	Type 4	EM 4450/4550 (TITAN)	RW	125
RW = Read / Write RO = Read only				

1.1 System Requirements

- PC with "Active Sync" or "Mobile Device Center"



Note

For PC with Windows XP:

Active Sync 4.5 or higher is needed!

For PC with Vista or Windows 7:

Device Center or Mobile Device Center is needed!

More information about system requirements available on Microsoft homepage.

Supported operating system on Mobile device:

- Windows Mobile WM5.0
- Windows Mobile WM6.1
- Windows Mobile WM6.5
- Windows CE5.0
- Windows CE6.0

The Firmwareloader LF is tested on following Mobile devices:

- MC 9090^{ex}
- MC 9190^{ex}

1.2 Installation

Copy the CAB-file "TIDTalkPDA.CAB" by using *Microsoft ActiveSync* or *Device Center* from the PC in a folder "for example: My Documents" to the connected PDA.



Note

For PC with Windows XP:

Active Sync 4.5 or higher is needed!

For PC with Vista or Windows 7:

Device Center or Mobile Device Center is needed!

More information about system requirements available on Microsoft homepage.

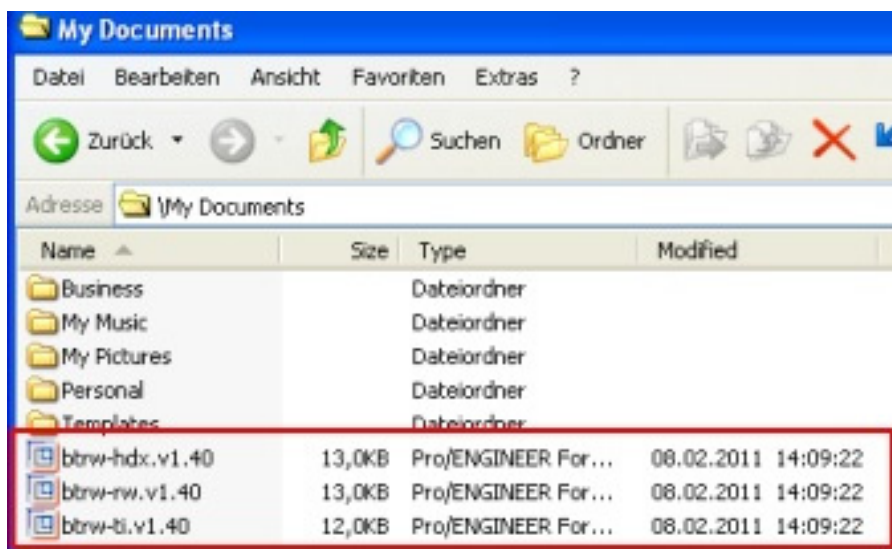
After one "double click" on the file you can start the installation process and the software will be installed.

Afterwards please copy the firmware files (frm-files) from the PC to the PDA (folder "My Documents").



Note

It is important that these files will be copied into the folder "My Documents" because otherwise *TIDTalkPDA* cannot find these files.



2. Software Description

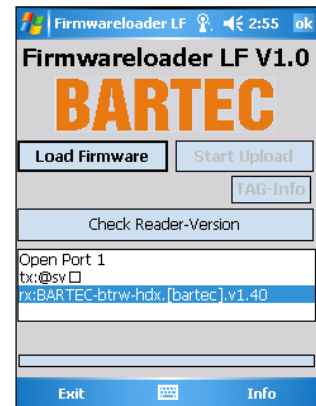
2.1 How to use the software

After the start of Firmwareloader LF the following screen appears:

By start of the Firmwareloader the connection to the LF-reader will be processed. The successful connect will be confirmed and shown in the info-window and "Open Port 1" will be displayed.

The Port is default and don't has to be changed because the LF-reader is connected via Comport 1.

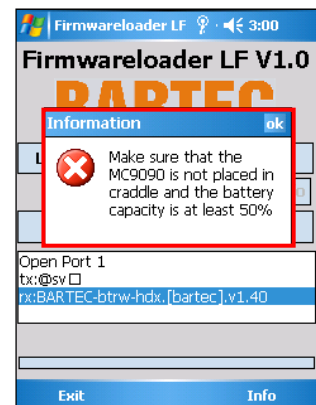
By clicking the button "Load Firmware" a selection dialogue will open and the 3 different firmware versions will be listed:



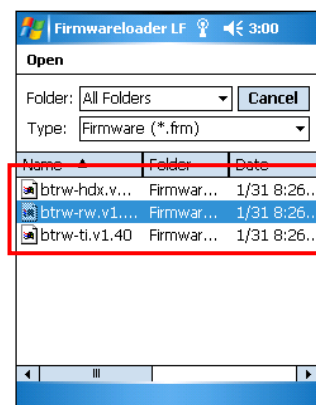
Make sure that the Mobile Computer is not placed in cradle and the battery capacity is at least 50%.

We recommend to use a full charged battery.

First a message box appears that the Mobile Computer is not cradled.



After selection of one file the dialogue will be terminated and the file will be opened automatically to run the update.

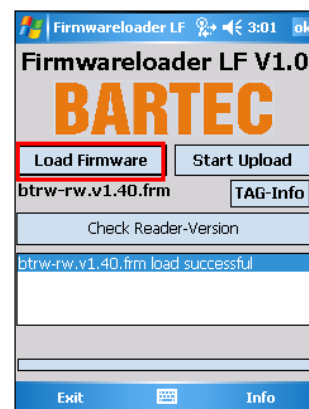


**Note**

The following table shows which Transponder is supported with which firmware version.

Firmware version Btrw-rw.V.1.40.frm	Firmware version Btrw-hdx.V.1.40.frm	Firmware version Btrw-ti.V.1.40.frm
HITAG S256	HDX -RO	EM 4450/4550
HITAG S 2 kbit	HDX (Multipage)	EM4xxx(UNIQUE)
HITAG 1	EM4xxx(UNIQUE)	FDX-B
HITAG 2	FDX-B	BDE
Q5	BDE	ISO 11784/5
ATA5567	ISO 117845	ISO Animal
EM4305	ISO Animal	

It is possible to start the process for selection of firmware multiple times.



After pushing the button "Start Upload" the Upload-process will start.

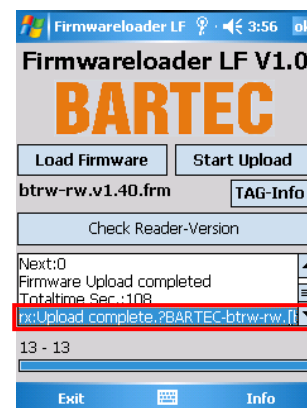
It can take a while until the process is finished.

**Caution!**

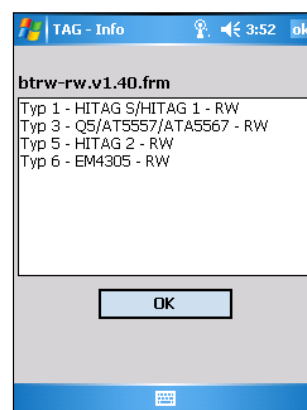
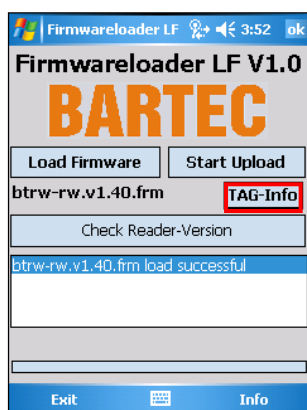
Please avoid interrupting the process (by switching off the PDA).

This could result in data loss.

After successful upload the message "Upload completed" will appear in the info-window.



After complete upload you can show information of supported Tags in the Menu "Tag Info"



2.2 Termination of software

The software can be terminated by using the option "Exit"

