

LinTronic

BootLoader

How to firmware update your
LinTronic product

Updated 201030

DateRevised

yymmddText

090912 This doc released. We are changing all online-help into PDF files.

171108 Updated to comply with Configurator 4.0.0.89

190501 Updated for better overview

201030 Updated for better overview

BootLoader = firmware updater

If you want to update the firmware of your LinTronic product, then the Configurators BootLoader must be used.

A firmware update is normally not needed, unless you know that the latest firmware holds specific features that you want to make use of, or unless LinTronic has recommended or send you an update.

In case you want LinTronic support, we always require that you update to the latest firmware, to make sure we work on the same platform.

When you open the Configurator and establish a communication (Connect) with the LinTronic product, then the Configurator will automatically check for firmware updates, and let you know, whether a new update is available.

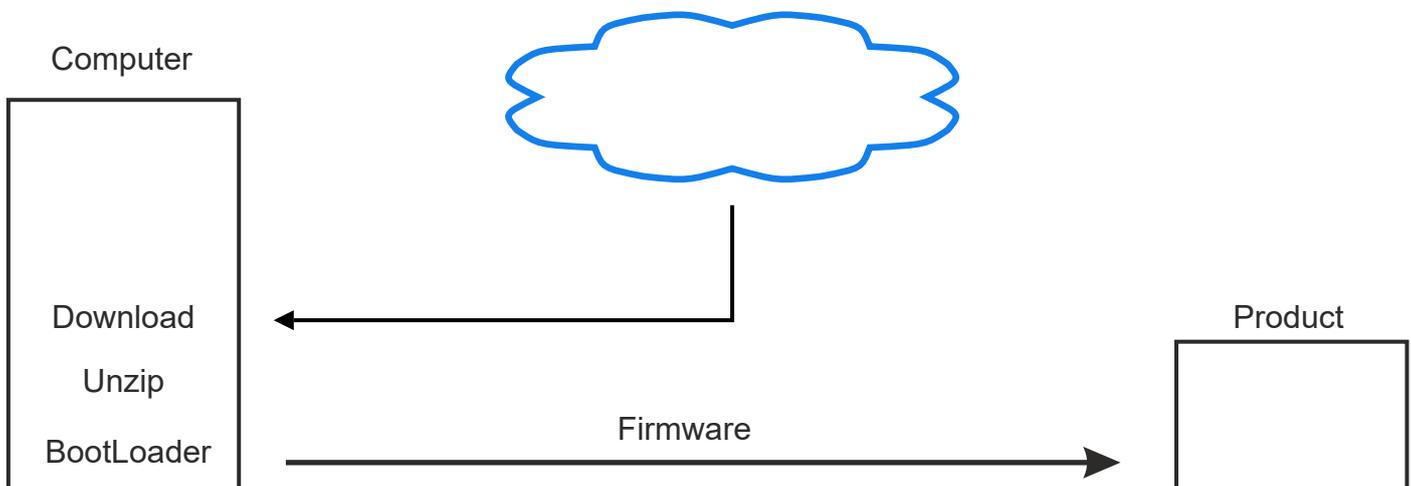
An update consist of two files: A HEX file and an EEP file.

If you download or receive these two files, then they will be zipped into one file and must be saved to a known library and unzipped, before it can be used.

If power to the computer or the product is lost while your are updating with new firmware, then your product most likely will no longer be able to establish a normal connection with the computer, however you should still be able to load new firmware, as the BootLoader is not part of the normal program and is normally not corrupted by a power or communication failure.

If you own a product which you cannot establish connection with in the Configurator, then download the wanted firmware from our web-site, store and unzip the firmware to a known location:

<http://lintronic.dk/download.aspx>



If LinTronic did send you a zipped file ...

If LinTronic did send you a zipped file, you should save it to a known location as for example:

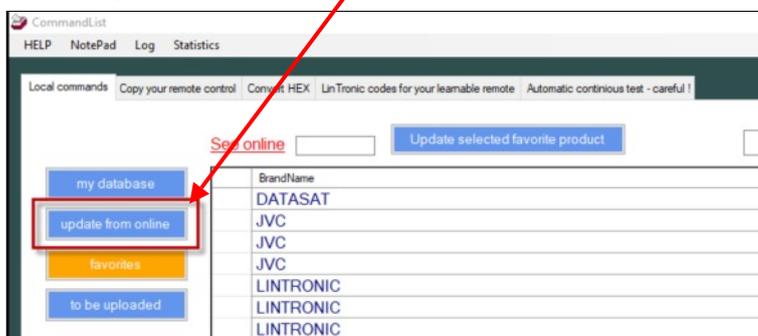
c:\LinTronic\Configurator SQL\Download\



When you unzip the file, it will hold two files:



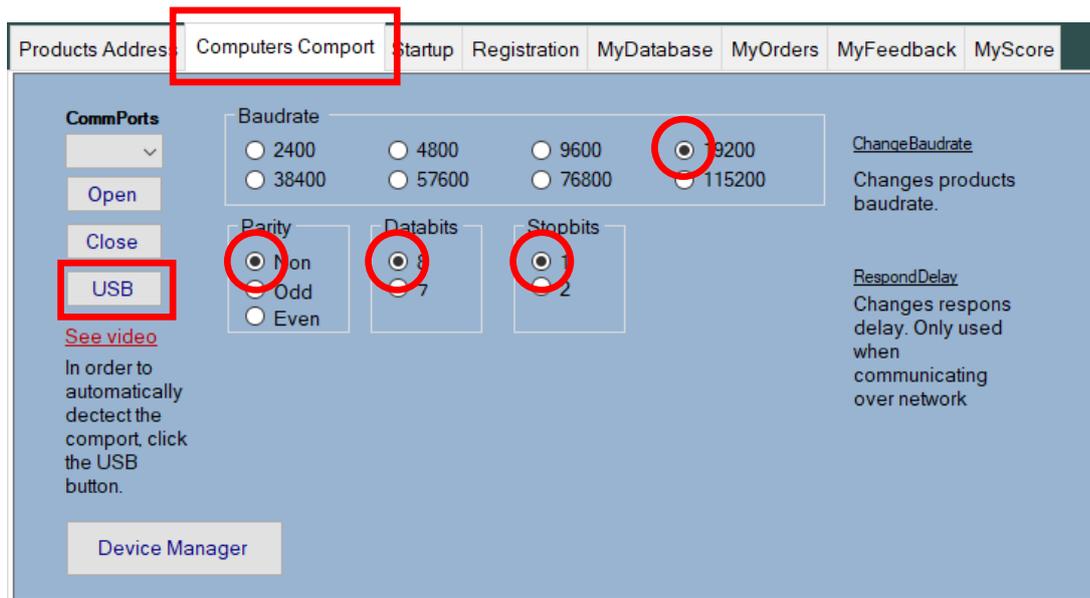
Since we most likely added a new product or features, goto the Configurators CommandList and update your database:



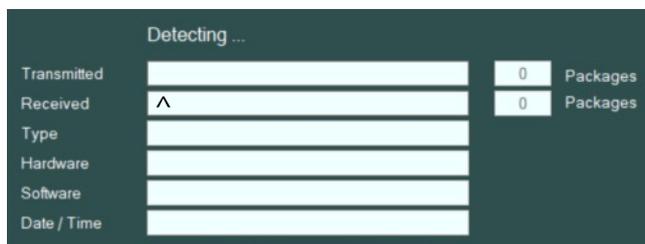
On the next pages, use the FIND button in the BOOTLOADER, to locate the new HEX file and let the BOOTLOADER update your LinTronic product.

Verifying BootLoader is working ...

1. Open Configurator (let program finish search for products)
2. Goto tab COMPUTERS COMPORT
3. Click USB button and follow procedure to open comport



4. Connect product to USB/RS232 cable
5. Connect power to product
6. Confirm ^ is received (this indicates bootloader is working)



BootLoader

LinTronic, Configurator SQL, 4.0.0.89, Windows 8.0, Microsoft Windows NT 6.2.9200.0

HELP / GETSTARTED DOCUMENTATION FIRMWARE UPDATES **BOOTLOADER** DATASAMPLER LOG NOTEPAD

Configurator Version: 4.0.0.89

Products Address Computers Commport Startup Database Registration

Connect Address: 1

AAA
Highest creditworthiness
© Bisnode 2015

ChangeAddress
Changes the products address (1-32)
We allow up to 32 products to cooperate.
Products address is default set to 1.
You should only change the address, if you want multiple products to communicate.

Transmitted	0100055001001001014	5
Received	0001713000254250005179	30
Type	TT455-RT-238	
Hardware	005	
Software	001.034.060	
Date / Time	nov 8 2017 19:09:23	

BootLoader

Download firmware, Find on computer, Bootload

[Dropdown] [Download]

Manual download link

[Text Input]

Find firmware on computer, Bootload

[Find] [Text Input]

Bootload

To firmware update - click here

- BootLoader request from product accepted
- BootLoader version request ok
- BootLoader version received
- Updating memory (eep)
- Updating flash (hex)
- Resetting
- BootLoading done - no errors detected

STOP

Lines [Text Input] 15 minutes

TimeOut (milliseconds)

10 25 50 100 250 Retries [Text Input]

Line [Text Input]

Reply [Text Input]

BootLoader

Select product to download latest firmware
 or
 insert download link from website

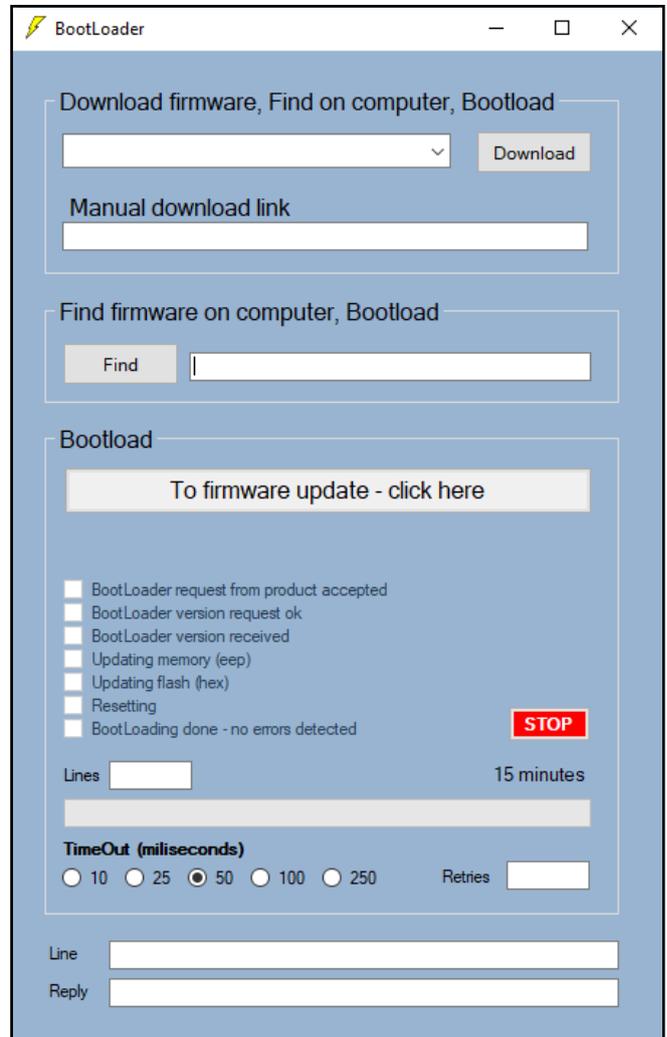
Locate unzipped files
 (HEX and EEP must be in same library)

If update does not start automatically
 then click here

update process - steps

update process - bar

update process - communication



If you get the message prompt: Please confirm hardware is correct
 then check that you have received/downloaded correct firmware.

If you are asked to remove and reapply power, then do so, and firmware bootloading should start.

BootLoader

The screenshot shows the LinTronic Configurator SQL interface. The title bar indicates the application is running on Windows 8.0. The main window has a menu bar with options: HELP / GETSTARTED, DOCUMENTATION, FIRMWARE UPDATES, BOOTLOADER, DATASAMPLER, LOG, and NOTEPAD. The main content area is titled 'Configurator Version: 4.0.0.89' and features several tabs: Products Address, Computers, Commport, Startup, Database, and Registration. The 'Products Address' tab is active, displaying a 'Connect' button, an 'Address' dropdown menu set to '1', and the AAA logo with the text 'Highest creditworthiness © Bisnode 2015'. Below this, there is a link 'ChangeAddress' and explanatory text: 'Changes the products address (1-32). We allow up to 32 products to cooperate. Products address is default set to 1. You should only change the address, if you want multiple products to communicate.'

At the bottom of the interface, a table displays communication statistics:

Transmitted	0100055001001001014	5	Packages
Received	0001713000254250005179	30	Packages
Type	TT455-RT-238		
Hardware	005		
Software	001.034.060		
Date / Time	nov 8 2017 19:09:23		

When the BootLoader has finished updating the product, the Configurator will automatically connect to the product.