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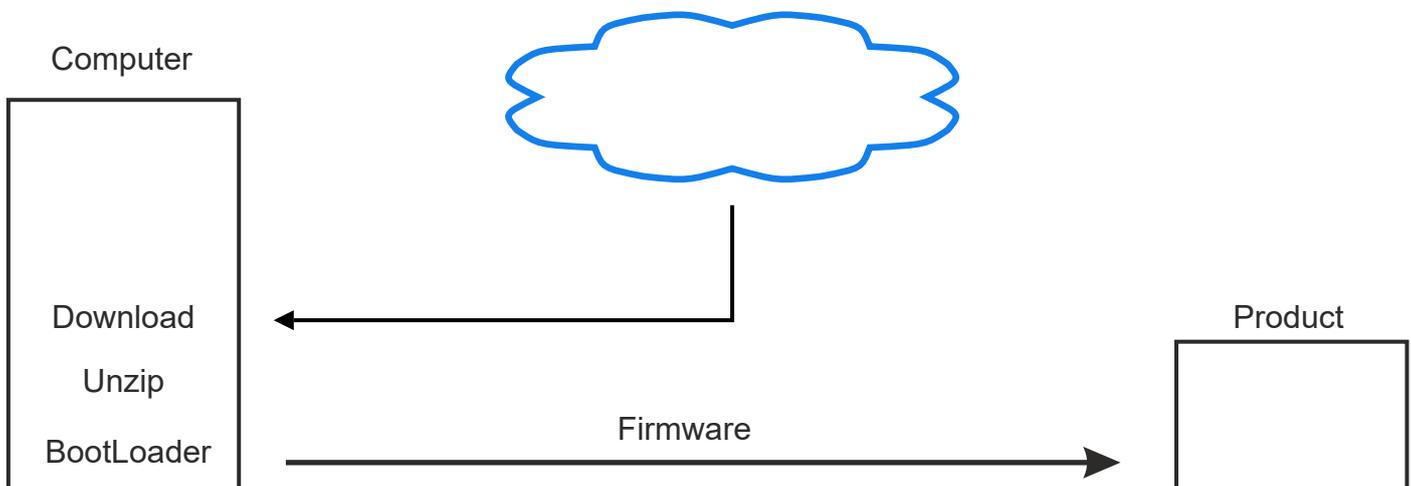
An update consist of two files: A HEX file and an EEP file.

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 etablish 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

Computer

| Download |
| Unzip |
| BootLoader |

Firmware

Product

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:
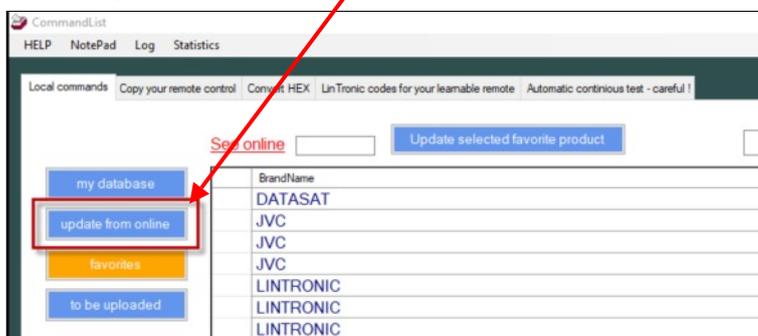
c:\LinTronic\Configurator SQL\Download\

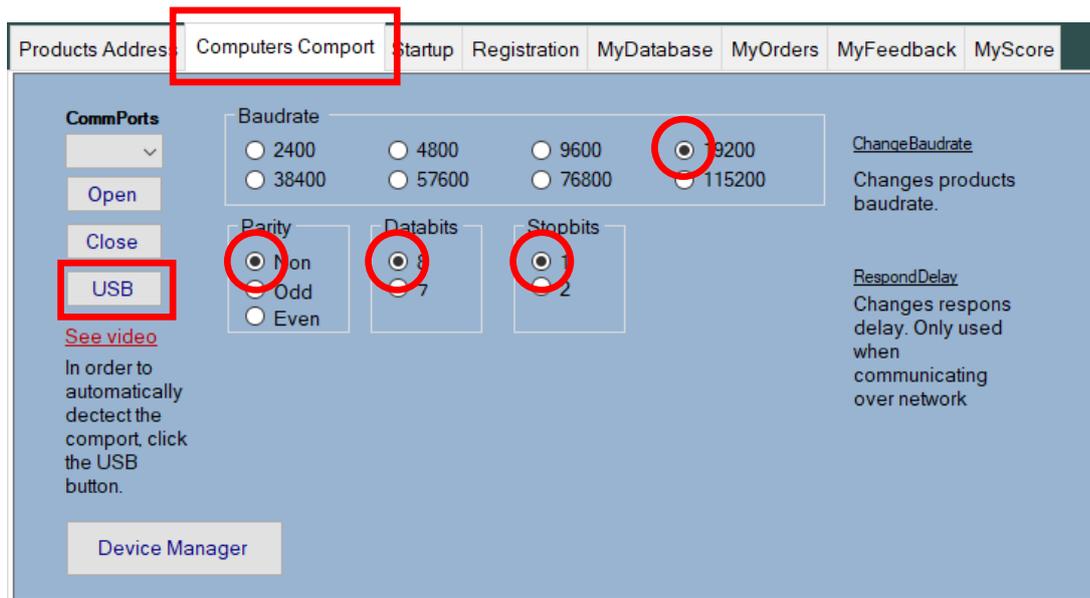When you unzip the file, it will hold two files:

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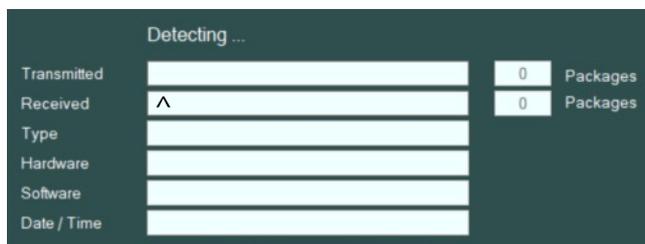

On the next pages, use the FIND button in the BOOTLOADER, to locate the new HEX file and let the BOOTLOADER update your LinTronic product.

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

BootLoader

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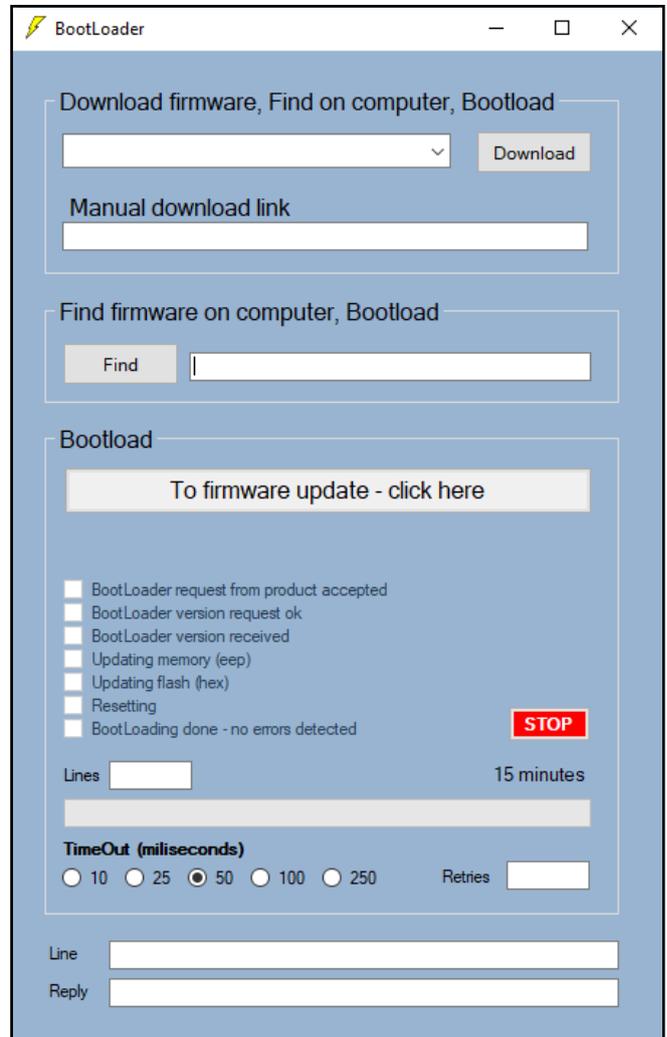or
insert download link from website

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

BootLoader — □ ✕

Download firmware, Find on computer, Bootload

[▾] [Download]

Manual download link

[   ]

Find firmware on computer, Bootload

[Find] [   ]

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 [   ]   15 minutes

[   ]

TimeOut (miliseconds)
○ 10   ○ 25   ◉ 50   ○ 100   ○ 250   Retries [   ]

Line [   ]
Reply [   ]

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

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