This manual describes how to perform a firmware update of Tubbutec products Modysix, ModyPoly and Juno-66
(http://tubbutec.de/)

The update program uses midi to update the firmware on your synthesizer.

You perform the firmware update at your own risk!
Please read and follow these instructions carefully. Tubbutec is not responsible for failed updates or 'bricked' devices due to improper updating procedures.

1. If not installed, install the latest java JRE for your platform:
   For example:
   http://www.oracle.com/technetwork/java/javase/downloads/jre8-downloads-2133155.html
   For linux you can use open jdk

2. Connect midi in and out of your synthesizer to your computer and turn the synth on.
   It is important that you connect both midi in and output. Otherwise the update procedure will not work

3. Run the updater program by double clicking on 'Tubbutec Firmware Updater.jar'

4. Select the Tubbutec product you would like to update. Make sure to chose the correct product.
   When in doubt wheater it is a Modysix or a ModyPoly open the synth and have a look.
   The Modysix is green, the ModyPoly blue.

6. Click 'Load' and select the firware new firmware image. Make sure it is the correct image for your product. When in doubt check which product you have (see 4.)

7. Select midi in- and output which are connected to the synthesizer.

8. Make sure no other programs that use midi are running (important!)

9. Press 'Update' button. If all goes well it should take a couple of seconds and then show
   'All blocks sent - Firmware updated - have fun!' in the message window.
   Your synthesizer will restart and run with the new firmware.

TROUBLESHOOTING

The updater has been tested with various operating systems and midi interfaces. If

Q: It is not working
A: Whatever you try - including the things below - if the synth does not respond after a failed update attempt, turn it off and on again before trying it again.
Also make sure both midi connections (in and out) are working by testing with a DAW or similar program on your computer.

Q: The message window shows: 'Timout...Check connection and try again'
A: Make sure midi in from your computer is connected to midi out of the synthesizer and midi out from your computer is connected to midi in. Also make sure that you selected the correct midi in and outputs in the drop down boxes.
Check if the synth is still responding. If not there is a problem with receiving midi data ***from*** the synth. Check connections, restart the synth and try again.
If the synth is still responding it means there is a problem with the midi connection ***to*** *the synth.*

Q: During the update process I get the messages ' ..NACK....retry' or '..Timeout..Check connection!..retry' followed by 'NACK timeout. Please check connections and midi interface and try again..'
A: This indicates a faulty or unreliable midi connection or your midi interface is doing strange things.
Try a different midi interface and/or different midi cables.