

# mikroBootloader

for XMEGA-Ready and mikroXMEGA boards

User's Guide

This is a short manual that describes the operation of *mikroBootloader application*. You will find that **five simple steps** are all it takes to successfully load your new program into the MCU.

## You should know this before you start

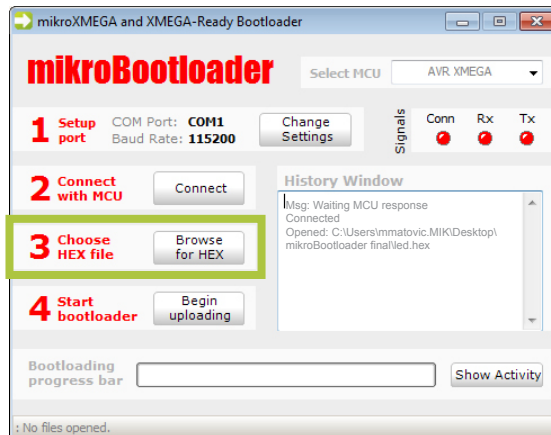
- 1 mikroBootloader may be used with **XMEGA-Ready** and **mikroXMEGA** boards only. Bootloader is specially adjusted for **ATxmega128A1** chip.
- 2 In order to enable the proper operation of the on-board FTDI chip it is necessary to **install the appropriate driver** for the operating system you use. Drivers may be downloaded at:

<http://www.ftdichip.com/Drivers/VCP.htm>

## 3. Choose HEX file

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Load the program you want to upload into the chip by clicking on the **Browse for HEX** button or simply **drag and drop** your HEX on to mikroBootloader window. You'll be notified in the **History Window** that the file is opened.



## 1. Setup port

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Click on the **Change Settings** button and select the appropriate COM port in the Setup window. Other parameters are set by default and should not be changed. Click OK to proceed.



## 2. Connect with MCU

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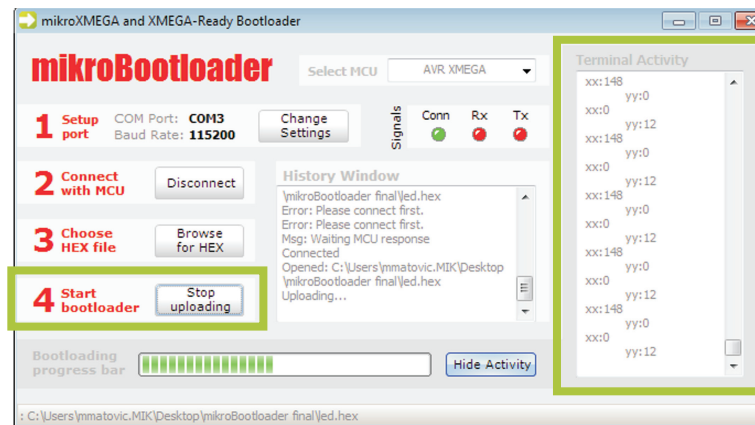


Reset the board and click on the **Connect** button within 5s. The chip automatically enters the Bootloader mode and is ready for further instructions.



## 4. Start Bootloader

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Start bootloader by clicking on the **Begin uploading** button. The whole process is performed in two phases. Click on the **Show Activity** button to view the operation of the bootloader.

## 5. Reset chip

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When the uploading process has been completed, **reset the chip** to start your new program.



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