



mikroBootloader

UART bootloader for AVR microcontrollers

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 application may only be used with the **appropriate device firmware**, which is free of charge and can be downloaded from mikroElektronika's website.
- 2 If your board utilizes UART communication over the FTDI chip, it is necessary to **install the appropriate driver** for the operating system you use. Drivers may be downloaded at:

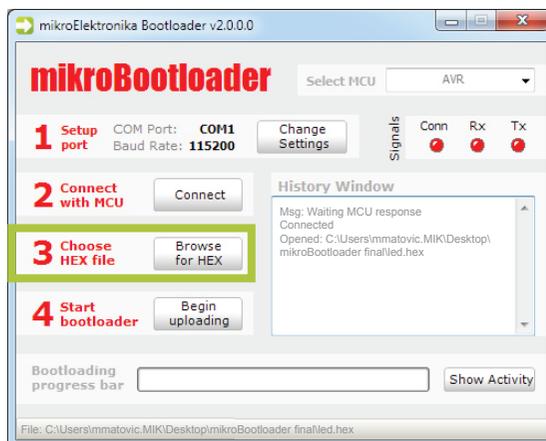
<http://www.ftdichip.com/Drivers/VCP.htm>



3. Choose HEX file

mikroBootloader manual

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

mikroBootloader manual

Click on the **Change Settings** button and **select the appropriate COM port** in the Setup window. **Set Baud Rate value** to match your configuration in MCU firmware. Click **OK** to proceed.

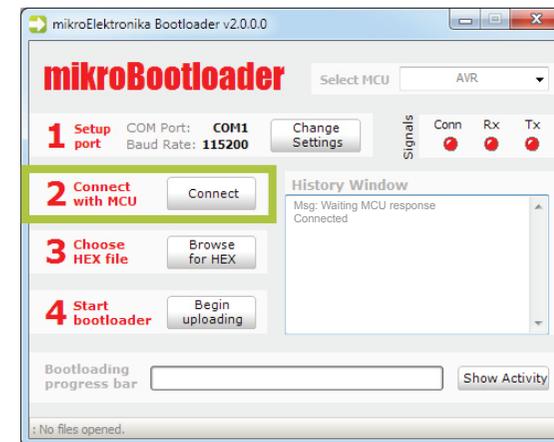


2. Connect with MCU

mikroBootloader manual



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

mikroBootloader manual



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

mikroBootloader manual

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



for more information visit <http://www.mikroe.com>

MikroElektronika
DEVELOPMENT TOOLS | COMPILERS | BOOKS