mikroBootloader

UART bootloader for PIC16 and PIC18 MCUs

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

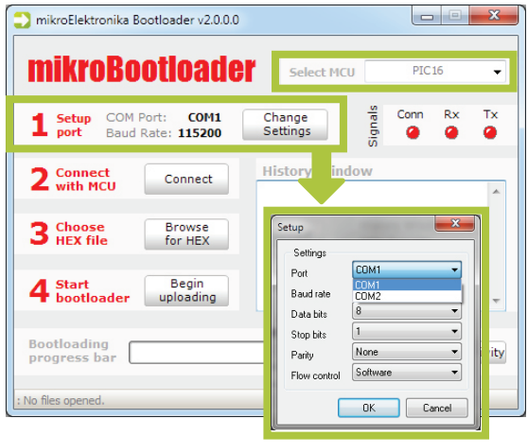
1. mikroBootloader application may only be used with the ***appropriate device firmware***, which is free of charge and can be downloaded from mikroElektronika's website.
2. If your board utilizes UART communication over the FTDI chip, it is necessary to ***install the appropriate driver*** for the operating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

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

1. Setup port

mikroBootloader manual

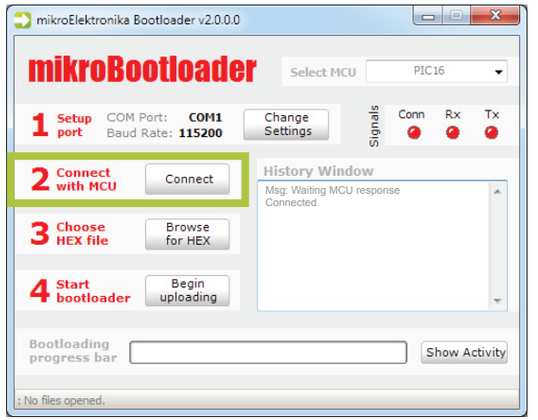
Select the appropriate MCU type from the dropdown list. Then click on the ***Change Settings*** button and ***select the appropriate COM port*** in the Setup window. ***Set Baud Rate value*** to match your configuration in MCU firmware. Click ***OK*** to proceed.



2. Connect with MCU

mikroBootloader manual

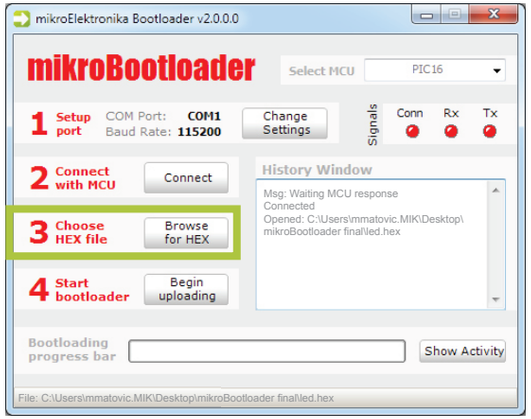
Reset the board and click on the ***Connect*** button within 5s. The chip automatically enters the Bootloader mode and is ready for further instructions.



3. Choose HEX file

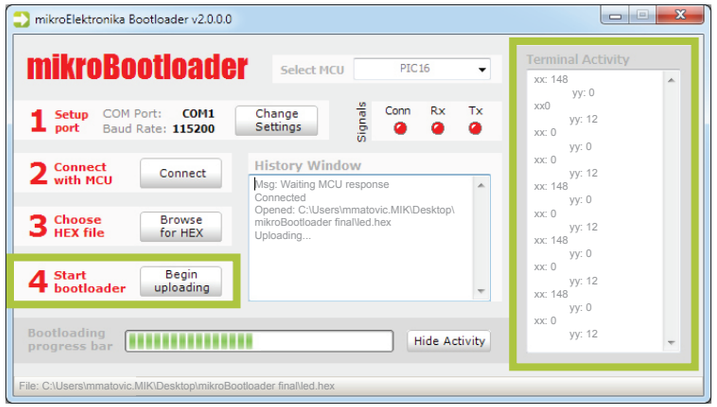
mikroBootloader manual

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.



4. Start Bootloader

mikroBootloader manual

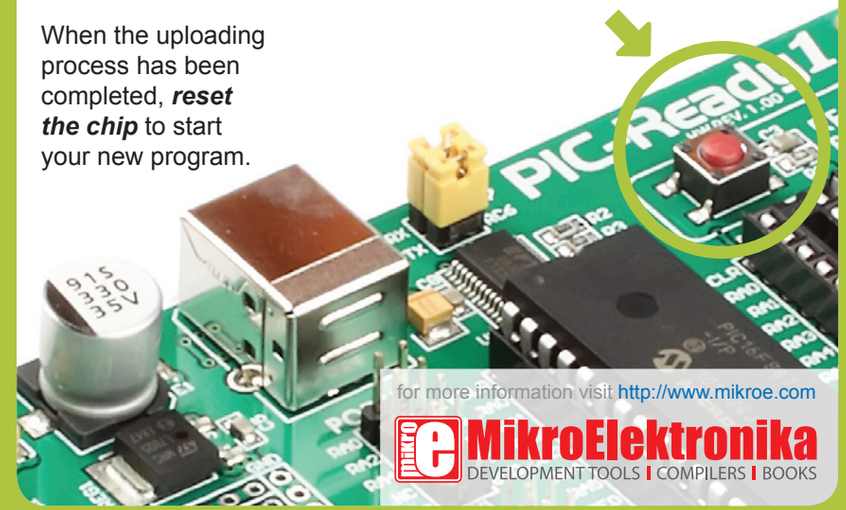


Start bootloader by clicking on the ***Begin uploading*** button. The whole process is performed in two phases. Click on the ***Show Activity*** button to view the operation of the bootloader.

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