mikroBootloader
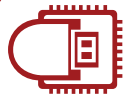
USB HID bootloader for mikroMMB for PIC32

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.

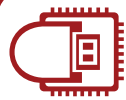## You should know this before you start

1 **USB HID Bootloader v1.2.0.0 application** may only be used with the **appropriate device USB HID Bootloader firmware version 1.2.0.0**, which is free of charge and can be downloaded from mikroElektronika's website.

2 Bootloader uses **USB HID class connection**, and no additional OS drivers are required for proper operation.

1. Establish USB link

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Connect your board to your PC. When device is recognized by your OS the gray USB icon will turn red, indicating that USB link is succesfully established. **You have 5s to procede to the next step.** If you wait too long the device will disconnect.

2. Connect with MCU

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Click on the **Connect** button within 5s. The chip automatically enters the Bootloader mode and is ready for further instructions. If your USB link disconnects, just reset the chip to reestablish the link. Then procede with step 2 again.
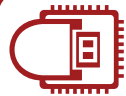

3. Choose HEX file

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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.

4. Start Bootloader

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Start bootloader by clicking on the **Begin uploading** button. You can monitor the bootloading process in the progress bar.
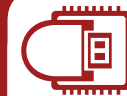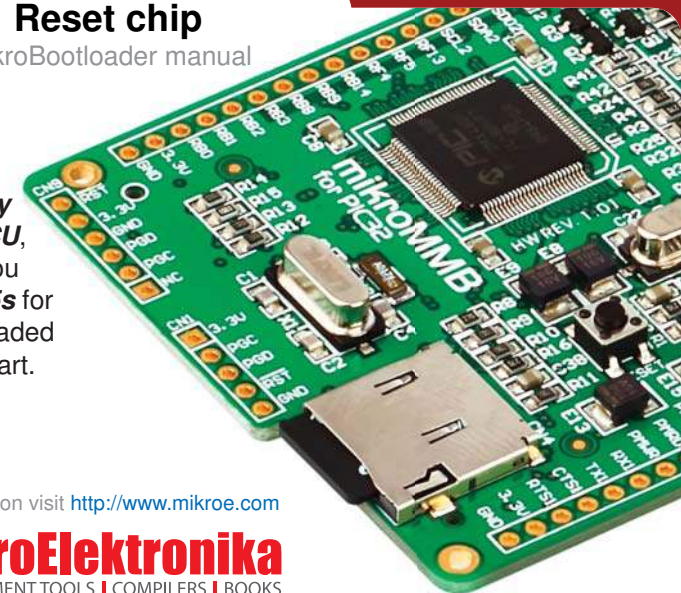
After the process is completed, a new message window will inform you of the bootloading success.

5. Reset chip

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Bootloader firmware will **automatically reset the MCU**, after which you should **wait 5s** for your newly loaded program to start.

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

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