MIOS

Overview

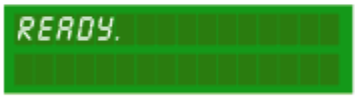
MIOS is the Operating System of the Chip. This Page covers MIOS and the BOOTLOADER (or Bootstrap Loader). General Informations can be found in the Intro-Article: what is a MIDIbox.

There are two versions of MIOS: The (older) **MIOS8**, used for MBHP_Core modules equipped with 8bit PIC uControllers and **MIOS32** used for the Core32 modules with 32bit STM controllers. If you are planning to build a new MidiBox, you should use the newer Core32 that allows much more complex devices.

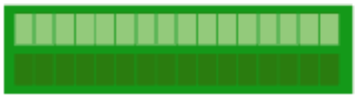
MIOS8

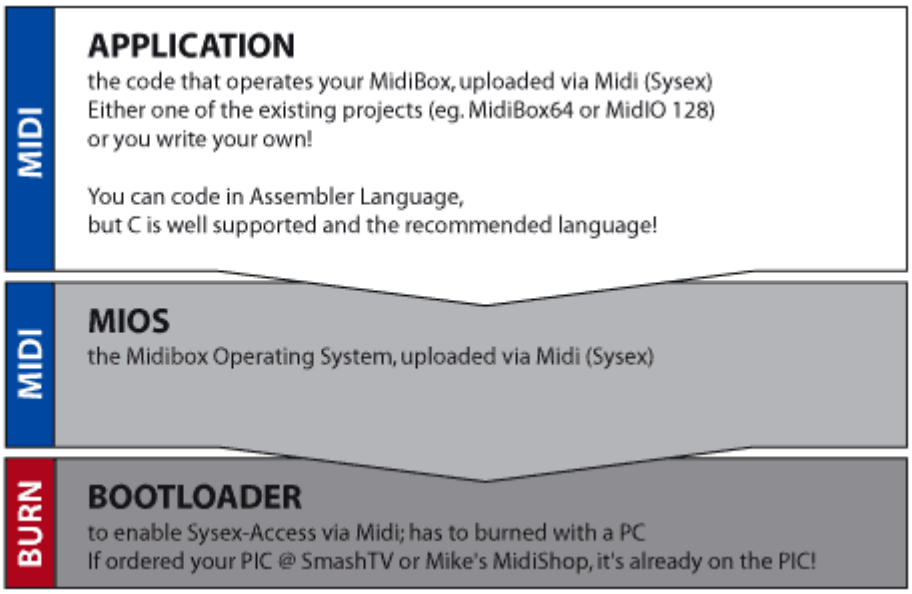


LCD Output (e.g.)



LCD Output


LCD Output



MIOS8 is used for MBHP_Core modules equipped with PIC18F452, PIC18F4620 or PIC18F4685.

The Article MIOS Bootstrap For Newbies (also available as MIOS Bootstrap in different languages) contains important informations about how to upload MIOS - the operating system - and an application.

Developers should consult the related project pages or Application Development.

Documentation

- Introduction uCApps
- Change Log uCApps
- MIOS project summary RSS feed
- MIOS-Downloads uCApps

- Bootstrap Loader uCApps
  - check out pic_programmer_modules to know how to get the Bootstrap Loader onto the

PIC.

- Application Development Section
- MIOS running on a PIC18F4620 (for certain future applications)

Frequently Asked Questions



MIOS FAQ - Questions and Answers !

MIOS32

MIOS32 is used on Core32 boards, equipped with the 32bit STM32F103RE processor. MIOS32 is prepared for other 32bit uCs as well and allows platform independent applications.

Documentation

- Core32 Introduction uCApps
- MIOS32 Download uCApps
- Toolchain setup guide for Windows

See Also

Mios studio

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