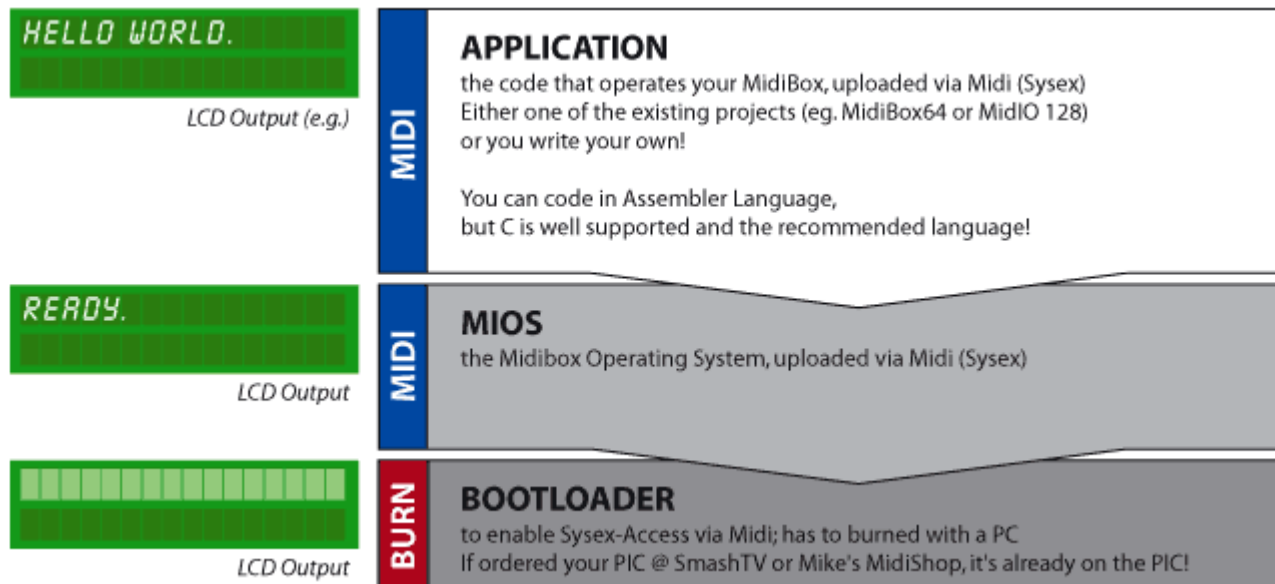The ROM routine used to load the OS is often known as the 'bootstrap', from the expression "pull yourself up by your own bootstraps".

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.

If you buy the Pic microcontroller at SmashTV's or Mike's Shop you do not need to burn the bootstrap loader onto the chip. You can simply upload MIOS and the selected application by MIDI (SysEx).

HELLO WORLD.
LCD Output (e.g.)

MIDI

APPLICATION
the code that operates your MidiBox, uploaded via Midi (Sysex)
Either one of the existing projects (eg. MidiBox64 or MidIO 128)
or you write your own!

You can code in Assembler Language,
but C is well supported and the recommended language!

READY.
LCD Output

MIDI

MIOS
the Midibox Operating System, uploaded via Midi (Sysex)

LCD Output

BURN

BOOTLOADER
to enable Sysex-Access via Midi; has to burned with a PC
If ordered your PIC @ SmashTV or Mike's MidiShop, it's already on the PIC!

From:
http://wiki.midibox.org/ - **MIDIbox**

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