

# General Guidelines

The Smart Multibox uses [Micropython](#) as its scripting language. General information can be found on the [Micropython website](#). Most reference materials that cover Python 3 will also apply.

As of this writing, the Smart Multibox uses Micropython 1.24.1

The Micropython build is fairly minimal, most optional features have not been included, for example, file I/O and threads. In addition to the minimal Micropython configuration, these are the optional features that *have* been included:

- `bytearrays`
- floating point math
- The **`array`** module
- The **`collections`** module (*`deque` and `namedtuple` types*)
- The **`micropython`** module
- The **`random`** module
- The **`struct`** module

This section will explain the extensions that have been added to Micropython for the sending, receiving and manipulation of MIDI messages.

## Callback Driven Operation

The Smart Multibox is designed to primarily use callback functions. User code should not implement loops that run for a long time or infinitely. Doing so will prevent the Smart Multibox from operating properly. Callbacks are available for a number of events, including incoming MIDI messages, button presses and timer ticks. See the [Callbacks](#) section for more details.

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