

# Constants

Some of the Smart Multibox functions take special constants as input parameters. These are defined below.

## Expression Pedal Constants

# Minimum and maximum values that are sent to the expression pedal callback

EXPPEDAL\_MIN = 0

EXPPEDAL\_MAX = 127

## LED Constants

# Possible LED colors

LED\_OFF = 0

LED\_RED = 1

LED\_GREEN = 2

LED\_ORANGE = 3

## MIDI Constants

### Message Types

MIDI\_NOTE\_OFF = 0x80

MIDI\_NOTE\_ON = 0x90

MIDI\_POLY\_PRESSURE = 0xA0

MIDI\_CC = 0xB0

MIDI\_PC = 0xC0

MIDI\_CHAN\_PRESSURE = 0xD0

MIDI\_PITCH\_BEND = 0xE0

MIDI\_SYSEX\_START = 0xF0

MIDI\_TIME\_FRAME = 0xF1

MIDI\_SONG\_POS = 0xF2

MIDI\_SONG\_SEL = 0xF3

MIDI\_TUNE\_REQ = 0xF6

MIDI\_SYSEX\_END = 0xF7

MIDI\_CLOCK = 0xF8

MIDI\_START = 0xFA,

MIDI\_CONTINUE = 0xFB

MIDI\_STOP = 0xFC

MIDI\_ACTIVE\_SENSE = 0xFE

MIDI\_RESET = 0xFF

## Other Values

MIDI\_MIN\_VAL = 0

MIDI\_MAX\_VAL = 127

## Port ID Numbers

MIDI\_IN\_1 = 0x0

MIDI\_IN\_2 = 0x1

MIDI\_IN\_3 = 0x2      # Bidirectional input on MIDI\_OUT\_1

MIDI\_IN\_USB = 0x8    # Used when the connected computer sends to the "SMB Internal" USB MIDI port

MIDI\_OUT\_1 = 0x10

MIDI\_OUT\_2 = 0x11

MIDI\_OUT\_3 = 0x12

MIDI\_OUT\_4 = 0x13

MIDI\_OUT\_5 = 0x14      # Bidirectional output on MIDI\_IN\_1

MIDI\_OUT\_USB = 0x18   # Used to send to the connected computer using the "SMB Internal" USB MIDI port

## TRS Port Constants

# External switch IDs used for a 2 button external switch. 1 button switches always use

EXTSWITCH\_TIP

EXTSWITCH\_TIP = 0

EXTSWITCH\_RING = 1

# TRS port modes

TRS\_EXPPEDAL = 0

TRS\_EXTSWITCH = 1

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