

USB flash drive scene read/write

Requires a FAT32 formatted flash drive. Insert prior to power-up, then power-on the module. All scenes in flash will be written `TT??S.TXT` to the root, where `??` is the scene number (00-31). Any files labelled `TT???.TXT` will be read to flash at the scene position `??`.

The file format is text and human readable. I wouldn't suggest doing complicated editing offline (on a computer) as the USB read doesn't report syntax errors— it just aborts on a non-validating script. This feature is primarily intended for sharing scenes on the internet and backup.

See [TT00.TXT](#) for an example of the file format. It's quite straightforward. Towards the end in the pattern section, there are four rows of numbers prior to the pattern data. The rows are LENGTH, WRAP, START, and END per pattern.

New Commands

`SCRIPT x` execute script (1-8), has infinite loop detection, this allows you to chain multiple scripts together!

`STATE x` read the current state of a script
trigger input (0/1 for low/high)

`MUTE x` disable external script inputs (1-8),
turns off input jack

`UNMUTE x` re-enable external script inputs (1-8)

`TR.POL x y` polarity for TR.PULSE (1-4)
no more unexpected pulse inversions

`SCALE a b x y i` scale number `i` from range `a-b`
to range `x-y` : $(i * (y-x)/(b-a))$

`JI x y` just intonation helper, precision ratio
divider, normalized to 1v

`KILL` clears stack, clear delays,
cancels pulses, cancels slews

`ABS x` returns the absolute value of `x`

`FLIP` special variable returns inverted state
on each read (also settable)

`AND x y` logical operation AND

`OR x y` logical operation OR

`XOR x y` logical operation XOR

`EXP x` exponentiation table lookup.
0-16383 range (V 0-10)

`O.MIN, O.MAX, O.WRAP, O.DIR`
range control for special var O

`DRUNK.MIN, DRUNK.MAX, DRUNK.WRAP`
range control for special var DRUNK

New Keys

`META-SHIFT-(1-8)` toggle MUTE/UNMUTE for trigger inputs

`META+ALT+ESC` KILL (cancel delays, clear stack,
stop slews)

numeric keypad keys 1-8 immediately execute numbered scripts

New II Commands

`MP.STOP x` (MP v2) STOP row `x` (0 for all)

Orca (WW alt firmware) commands

see <https://github.com/scanner-darkly/monome-mods/wiki/Orca>

`OR.TRK`
`OR.CLK`
`OR.DIV`
`OR.PHASE`
`OR.RST`
`OR.WGT`
`OR.MUTE`
`OR.SCALE`
`OR.BANK`
`OR.PRESET`
`OR.RELOAD`
`OR.ROTS`
`OR.ROTW`
`OR.GRST`
`OR.CVA`
`OR.CVB`