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HSS3jb – User Guide



The HSS3jb

Power

7.5V DC positive tip only. A device like [this](#) works or you can purchase one from [us](#). The switch in the top left corner turns on the video device.

Mode

The button in the lower right corner switches between audio+visual mode (patches S1P..) and only visual mode (patches V1P..).

Scroll

Use the small screwdriver to adjust the screw inside the brown cylinder on the right edge. This changes the scroll rate of the video.

Fade

Red, green, and blue and can be independently filtered, giving each color softer edges.

Red dip switches

Audio – These control the color of the incoming audio signal.

d10 – This turns off the colors for the angled lines of the visuals.

Audio in button

Turns the audio input on and off.

In volume

Turns down the incoming signal. A yellow light will blink when there is a signal coming in.

Bends

Five different glitches for the video.

Stable

This switches between the old (HSS3i) and new visuals. To the left the video is more lines with the right is large blocks of color with a more stroboscopic appearance.

IR

The input is under IR on the bottom edge along with the IR enable switch. The output is on the right side.

MIDI IN

MIDI MESSAGE TABLE:

Control 20 – pot 0 – variable

Control 21 – pot 1 – variable

Control 22 – pot 2 – variable

Control 23 – pot 3 – variable

Control 24 – pot 4 – variable

Control 25 – pot 5 – patch select

Control 26 – none – volume

C1 – 0 – trigger signal

C1# – 1 – mode change (audio+video/video)

TRIGGERS

The HSS3jb's variables can be triggered, [IR](#) from [Andromeda Space Rocker devices](#), modular gear, and audio signals.

The potentiometer by the power jack controls trims the level of the Audio input.

See the patches for what exactly is triggered in each mode. Experiment with different signals inputs or use the HSS3jb to control your modular with it's trigger output!

PATCHES

Audio + video modes:

1 (Full counterclockwise position):

- 0- Sequence length A
- 1- Sequence length B
- 2- Pattern A
- 3- Pattern B
- 4- Sequence speed

trigger/audio in: speed
trigger out: speed

2:

- 0- patterns pitch height
- 1- Pattern
- 2- Sequence length B
- 3- Audio limiter
- 4- Sequence speed

trigger/audio in: speed
trigger out: speed

3:

- 0- Pattern
- 1- Pattern record delay, sets the interval for when to capture new patterns
- 2- Amount of kicks
- 3- Amount of melody
- 4- Sequence speed

trigger/audio in: speed
trigger out: speed

4:

- 0- Kick pitch attack
- 1- Crossfade kick/noise
- 2- Pattern kick
- 3- Pattern noise
- 4- Sequence speed

trigger/audio in: speed
trigger out: speed

5:

- 0- Melody select A
- 1- Melody select B
- 2- Melody generation A
- 3- Melody generation B
- 4- Sequence speed

trigger/audio in: speed
trigger out: speed

6:

- 0- Pitch A
- 1- Pitch B
- 2- Pattern A

- 3- Pattern B
- 4- Sequence speed

trigger/audio in: speed
trigger out: speed

7:

- 0- Where to fill wavetable with noise and at what pitch
- 1- Vibrato depth
- 2- When to fill wavetable with noise
- 3- Vibrato speed
- 4- Filter

trigger/audio in: not used
trigger out: speed

8:

- 0- Pitch adjust
- 1- Select sound
- 2- Pattern playback length, also effects pitch
- 3- extra delay, only active in one of the sounds
- 4- Fills waveform that is being played back

trigger/audio in: not used
trigger out: speed

9:

- 0- Pitch adjust
- 1- Wavetable playback length
- 2- Switch between up or down fade
- 3- Unused
- 4- Filter setting in combination with wavetable

trigger/audio in: speed
trigger out: speed

10:

- 0- Pattern A speed
- 1- Pattern B speed
- 2- Pattern C speed
- 3- Mode select, switches oscillators connected to pots around
- 4- Interval speed

trigger/audio in: speed
trigger out: speed

11:

- 0- Pitch position 1
- 1- Pitch position 2
- 2- Pitch position 3
- 3- Pitch position 4
- 4- Speed

trigger/audio in: speed
trigger out: speed

12:

- 0- pitch down A&B
- 1- audio limiter
- 2- pitch down C
- 3- waveform generation
- 4- kick interval

trigger/audio in: bot used
 trigger out: speed

13::

- 0- pitch of oscillators A/B/C/D
- 1- pitch of oscillators A2/B2/C2/D2
- 2- volume A/B/C/D
- 3- volume A2/B2/C2/D2
- 4- filter

trigger/audio in: not used
 trigger out: not used

14:

- 0- pitch of oscillator A
- 1- pitch of oscillator B
- 2- pitch of oscillator C
- 3- waveform generation
- 4- filter

trigger/audio in: not used
 trigger out: not used

15: (Full clockwise position)

- 0- pitch of oscillator A/B/C
- 1- amplitude modulation depth
- 2- amplitude modulation speed
- 3- waveform generation
- 4- filter

trigger/audio in: not used
 trigger out: not used

Video only modes
1 (Full counterclockwise position):

- 0- vertical scroll and block size
- 1- vertical scroll and block size
- 2- block type, 4 positions
- 3- vertical scroll fine adjustment
- 4- scroll delay adjustment when trigger in

trigger/audio in: scroll
 trigger out: not used

2:

- 0- line pattern setting red,green,blue
- 1- horizontal line delay

- 2- angle line width, automated, speed setting
- 3- angle line width, automated, length setting
- 4- ADC settings

trigger/audio in: angle line length invert
trigger out: not used

3:

- 0- vertical scroll
- 1- inverted setting red none inverted setting green
- 2- angle line width, automated, speed setting
- 3- angle line width, automated, length setting
- 4- ADC settings

trigger/audio in: horizontal bar length automation
trigger out: not used

4:

- 0- horizontal bar 1, left to right, automated, speed setting
- 1- horizontal bar 2, left to right, automated, speed setting
- 2- horizontal bar 1, up and down in back and forth motion, automated, speed setting
- 3- horizontal bar 2, up and down in back and forth motion, automated, speed setting
- 4- vertical scroll

trigger/audio in: automation speedup
trigger out: not used

5:

- 0- horizontal bar 1, inverted setting red none inverted setting green, automated, length setting
- 1- horizontal bar 2, inverted setting red none inverted setting green, automated, length setting
- 2- horizontal bar 3, inverted setting red none inverted setting green, automated, length setting
- 3- horizontal bar 4, inverted setting red none inverted setting green, automated, length setting
- 4- vertical scroll

trigger/audio in: automation speedup
trigger out: not used

6:

- 0- horizontal bar 1, inverted setting red none inverted setting green
- 1- horizontal bar 2, inverted setting red none inverted setting green
- 2- horizontal bar 3, inverted setting red none inverted setting green
- 3- horizontal bar 4, inverted setting red none inverted setting green
- 4- vertical scroll

trigger/audio in: scroll
trigger out: not used

7:

- 0- vertical scroll
- 1- 8 horizontal bars, all possible horizontal positions, color red
- 2- 8 horizontal bars, all possible horizontal positions, color green
- 3- angle line width
- 4- ADC settings

trigger/audio in: inverts horizontal bar settings
trigger out: not used

8: (Full clockwise position)

0- vertical scroll

1- horizontal bar A color red

2- horizontal bar A color green

3- horizontal bar B color red&green

4- ADC settings, faster or slower

trigger/audio in: inverts horizontal bar settings

trigger out: not used

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