

2hp – Arp

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2hp Arp Cheat Sheet

Gate-Driven Arpeggiator Module (2HP, Depth: 45mm)

Inputs & Outputs Reference

Jack	Function	Voltage Range
TRIG	Advances the arpeggio when > 0.4V	Gate/Trigger
RESET	Restarts the arpeggio at the root note when > 0.4V	Gate/Trigger
ROOT CV IN	CV input for the Root knob (selects chord root)	0 to +5V
CHORD CV IN	CV input for the Chord knob (selects chord type)	0 to +5V
OUT	V/Oct arpeggio output	0 to +5V

Controls

Control (Knob)	Function	Notes
ROOT	Sets the initial pitch offset (chord's root note)	Manual or voltage controlled
CHORD	Selects which chord is arpeggiated; LEDs indicate active chord	Manual or voltage controlled
MODE	Selects arpeggio playback mode	8 modes (see below)

Chord Types and LED Indications

Type	M/m LED	7TH LED	* LED
Major	●		
Major 7	●	●	
Dominant 7		●	
Minor			●
Minor 7		●	●
Diminished	● (Off)		● (Off)
Half Diminished 7		●	● (Off)
Full Diminished 7			Blinking
Augmented		●	Blinking

Type	M/m LED	7TH LED	* LED
Augmented 7	●	●	Blinking
Sus 4			Blinking
Sus 4 Maj 7		●	Blinking
Sus 4 Min 7	●	●	Blinking

Arpeggio Modes (Mode Knob)

- Ascending (1 octave)
 - Ascending (2 octaves)
 - Descending (1 octave)
 - Descending (2 octaves)
 - Pendulum (1 octave)
 - Pendulum (2 octaves)
 - Random (1 octave)
 - Random (2 octaves)
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Power Consumption

- +12V: 40mA
 - -12V: 3mA
 - +5V: 0mA
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Installation Tips

- 2HP wide; align the red stripe on the power cable with the white line on the module's PCB.
- Connect either row of 5 pins (if using a 10-pin cable) but always check alignment.

- Mount securely before powering on your rack.
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Quick Workflow

1. **Patch your clock or gate to the TRIG input.**
 2. **Select chord root (ROOT knob or ROOT CV IN) and chord type (CHORD knob or CHORD CV IN).**
 3. **Choose arpeggio mode and range using the MODE knob.**
 4. **Patch OUT to your VCO or voice.**
 5. *(Optional)* Use RESET to jump the arpeggio back to the root.
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