Arp



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Description

Arp is a gate-driven arpeggiator with a multitude of chord types and playback modes. Voltage control over both root note and chord type allow for sequencing any combination of chords in any key imaginable. With the rate of the arpeggio and reset capability in your own hands, you're free to create dynamic rhythmic melodies from your favorite chords. Take your tonality for a ride with Arp.

- Gate-driven arpeggiator
- Multitude of chord types, including triads and sevenths
- Unique playback modes, including random and pendulum
- V/oct tracking on Root CV input

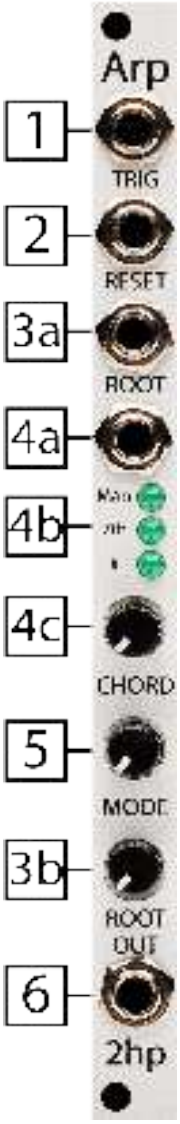
Installation

To install, locate 2 HP of space in your Eurorack case and confirm the positive 12 volts and negative 12 volts sides of the power distribution lines. Plug the connector into the power distribution board of your case, keeping in mind that the red band corresponds to negative 12 volts. In most systems, the negative 12 volt supply line is at the bottom. The power cable should be connected to the module with the red band facing the front of the module.

Specifications

- Size: 2 HP
- Depth 42mm
- Current Consumption:
  - +12V: 40mA
  - -12V: 7mA

Diagram



Functional Overview

1. Trig Input

A trigger or gate signal present at this input will advance the arpeggio to the next note

2. Reset Input

A trigger or gate signal present at this input will reset the arpeggio to its root note

3. Root

Sets the initial voltage offset of the output

This can be thought of as the chord's root note

3a. Root CV

CV input for Root control

Range: 0V to +5V

Control voltage is added to the knob position

3b. Root Knob

When fully left the root will be 0V

When fully right the root will be 5V

4. Chord

Defines the relationship between the root note and the other notes in the chord

4a. Chord CV

CV input for Chord control

Range: 0V to +5V

Control voltage is added to the knob position

4b. Chord LEDs

Displays the selected chord type

Chord Type	M/m LED	7th LED	* LED
Major	On	Off	Off
Major 7	On	On	Off
Dominant 7	On	On	On
Minor	Off	Off	Off
Minor 7	Off	On	Off
Diminished	Off	Off	On
Half Diminished 7	Off	On	On
Full Diminished 7	Off	Blinking	On
Augmented	On	Off	Blinking
Augmented 7	On	On	Blinking
Sus 4	Blinking	Off	Off
Sus 4 Maj 7	Blinking	On	On
Sus 4 Min 7	Blinking	On	Off

4c. Chord Knob

Selects the current chord

When fully left, Major triad will be selected

When fully right, Sus 4 Min 7 will be selected

5. Mode Knob

Sets the playback mode, including range and direction

- Ascending one octave
- Ascending two octaves
- Descending one octave
- Descending two octaves
- Pendulum one octave
- Pendulum two octaves
- Random one octave
- Random two octaves

6. Out

Voltage output for the arpeggio

Range: 0V to +5V

Plug this into 1V/Oct input of a sound generator