

2hp – Pluck

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[Pluck Manual PDF](#)

Pluck (2hp) Cheat Sheet

Karplus-Strong string synthesizer with 4-voice polyphony for resonant, percussive, and melodic string timbres in Eurorack.

Quick Reference

Inputs

Jack	Function	Voltage Range	Notes
TRIG	Trigger input	-	Triggers a new note (up to 4 voices)
DAMP	Dampening amount CV input	-5 V to +5 V	Modulates harmonics/tone on new notes
DECAY	Decay amount CV input	-5 V to +5 V	Modulates decay time on new notes
V/OCT	1V/Oct Pitch input	0 V and up	Adds to pitch knob (standard scaling)

Outputs

Jack	Function	Voltage Range	Notes
OUT	Audio output (main)	10 Vpp	Main module output

Controls

Control	Type	Description
DAMP	Knob	Sets string dampening (harmonics). Left = dull, right = bright
DECAY	Knob	Sets decay length. Left = short, right = long
PITCH	Knob	Sets fundamental pitch. Active for latest note, even if sustaining
Out LED	LED	Visualizes output amplitude

How to Use

1. **Patch TRIG** to a gate/trigger for plucked notes. Each new trigger can play a new polyphonic voice (max 4).
2. **Set DAMP knob/CV**: Left for muted/plucky, right for bright/ringing. CV (-5V to +5V, summed with knob).
3. **Set DECAY knob/CV**: Controls how long each note rings. CV (-5V to +5V, summed with knob).
4. **Tune with PITCH knob/V/OCT**: PITCH knob provides coarse tuning; add V/OCT for external pitch control.
5. **Monitor OUT/LED**: Patch OUT to mixer/audio, use LED for level reference.

Power: +12V (83.45mA), -12V (4.5mA) | **Depth:** 42mm | **Width:** 2hp

Summary Table

Jack/Knob	Function	Range/Type	Notes
TRIG	Input	Trigger	Create new note
DAMP	Knob/Input	Knob / -5V to +5V CV	Harmonic content
DECAY	Knob/Input	Knob / -5V to +5V CV	Length of note
V/OCT	Input	1V/Oct	Standard pitch CV
PITCH	Knob	-	Set baseline pitch
OUT	Output	10Vpp audio	Main sound output
Out LED	Output	Visual	Output amplitude

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