

# 2hp – Bell

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- [Manual PDF](#)

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[Download the Bell 2hp Manual \(PDF\)](#)

*(Note: If this is not the official manual location, check the manufacturer's site for most recent version.)*

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## Bell 2hp Cheat Sheet

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**Bell** is a melodic percussion Eurorack module using modal synthesis, with 6 voice polyphony and multiple physical models for metallic and percussive sounds.

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## Panel Reference

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Label	Jack/ Control Type	Function	Voltage Range
TRIG	Input Jack	Triggers a new note with current settings	Gate/Trigger
MODEL	Knob + CV In	Selects 1 of 8 physical models; CV adds to knob	CV: -5V to +5V (Bipolar)
DAMP	Knob + CV In	Sets resonance/decay (damping); CV added to knob	CV: -5V to +5V (Bipolar)
V/OCT	CV In		CV: -1V to +6V

Label	Jack/ Control Type	Function	Voltage Range
		Pitch control, 1V/Oct standard	
PITCH	Knob	Sets fundamental pitch of current/next note	—
OUT	Output Jack	Audio out, illuminates LED on note trig	10Vpp (peak-to-peak audio)

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## Physical Models (Model Selector):

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1. Pure Bell
2. Pure Vibraphone
3. Harmonic Vibraphone
4. Hard Marimba
5. Soft Marimba
6. Tibetan Bowl
7. Wine Glass
8. Redwood Plate

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## Key Operation Notes

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- **TRIG** input fires a new note (up to 6 voice polyphony, oldest replaced).
- **MODEL Knob/CV** morphs or switches through 8 excitor/resonator types.
- **DAMP Knob/CV** modifies decay/resonance for sharp or mellow sounds.
- **V/OCT** provides standard pitch tracking for melodic sequencing.
- **PITCH Knob** sets fundamental, active for the most recent note (pitch bend possible DURING ring-out).

- **OUT** is the mono audio output. LED blinks for ~30ms with each new note.

## Installation

- Requires 2HP width, 45mm depth.
- Power: +12V (86mA), -12V (3mA).
- Red stripe on ribbon cable = -12V.

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## Typical Patch Example

- Patch sequencer gate to **TRIG**.
- Patch sequencer pitch CV to **V/OCT**.
- Patch audio out from **OUT**.
- Use **MODEL** and **DAMP** for timbre changes.
- Modulate **MODEL** or **DAMP** via CV for evolving metallic textures.

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