Centreville — PlusMix

PlusMix Eurorack Module Cheat Sheet

Type: Utility Mixer (Unity / Precision CV Mixer) with Gate-Controlled Switching
Width: 2 HP
Depth: 35 mm
Current Draw: +12V 20mA / -12V 20mA / +5V 0mA
Price: 9,900 JPY

Panel Reference

Inputs

- **PLS1** (Input)
- Accepts: Audio or CV
- Range: Typical Eurorack level (±5V / ±10V)
- **PLS2** (Input)
- Accepts: Audio or CV
- Range: Typical Eurorack level (±5V / ±10V)
- **BASE** (Input)
- Accepts: Audio or CV
- Always mixed
- Range: Typical Eurorack level

- **SW1** (Gate Input)
- Accepts: Gate/Trig signals
- HIGH = ≥ 5V, LOW = 0V
- Normalized to 5V when unpatched
- **SW2** (Gate Input)
- Accepts: Gate/Trig signals
- HIGH = ≥ 5V, LOW = 0V
- Normalized to SW1 when unpatched

Outputs

- **MIX** (Output)
- Unity-mixed sum of enabled inputs
- Range: Follows input levels (expect unity gain, max ±10V)

Controls

- **SW1PL** (Toggle Switch)
- Sets gate polarity for PLS1
- **H** (High): PLS1 mixed when SW1 gate is HIGH (≥5V)
- **L** (Low): PLS1 mixed when SW1 gate is LOW (0V)
- **SW2PL** (Toggle Switch)
- Sets gate polarity for PLS2
- **H** (High): PLS2 mixed when SW2 gate is HIGH (≥5V)
- **L** (Low): PLS2 mixed when SW2 gate is LOW (0V)

Usage Overview

- **BASE** input is always mixed/summed to the output.
- **PLS1** is mixed if:
- SW1 gate is HIGH (≥5V) **and** SW1PL is in **H**
- SW1 gate is LOW (0V) **and** SW1PL is in **L**
- **PLS2** is mixed under the same rules using SW2/SW2PL.
- **Manual Mute:** With no gates patched to SW1/SW2, the SW1PL/ SW2PL switches work as manual mute toggles.
- **Normalization:**

- SW1 normalled to 5V → PLS1 can be toggled manually if nothing patched.
- SW2 normalled to SW1 → Both can be manually toggled or linked.

Application Tips

- **Pitch CV Mixing:** High-precision summing means it's safe for pitch CV without drift.
- **Gate-Controlled Mutes:** Use gate/CV sequencers for dynamic signal routing.
- **Audio Utility:** Seamless for unity-gain audio muting and mixing.
- **Live Performance:** Quick manual mutes via panel switches if no gate signals are inserted.

Quick Reference

Jack/Control	Description	Voltage Range
PLS1	Audio/CV Input 1 (gate-controlled mix)	±5V / ±10V
PLS2	Audio/CV Input 2 (gate-controlled mix)	±5V / ±10V
BASE	Audio/CV Input (always mixed)	±5V / ±10V
SW1	Gate input for PLS1	0V (LOW), 5V+ (HIGH)
SW2	Gate input for PLS2	0V (LOW), 5V+ (HIGH)
SW1PL	Toggle: Mix PLS1 on HIGH (H) or LOW (L) gate	(Polarity Selector)

Jack/ Control	Description	Voltage Range
SW2PL	Toggle: Mix PLS2 on HIGH (H) or LOW (L) gate	(Polarity Selector)
MIX	Unity gain mix output	Follows input levels

Links

- Manual PDF & Product Page
- Generated With Eurorack Processor