Tiptop Audio — MIXZ

- [Manual PDF](#)

[Tiptop Audio MIXZ Manual PDF](#)

Tiptop Audio MIXZ Cheat Sheet

Overview

- **Type:** Low-noise, dual 4-channel mixer with Tiptop Bus Mix integration
- **Formats:** Audio, CV, and Gate signals (excellent linearity)
- **Special Feature:** Tiptop Bus Mix allows cable-free connection from supported Tiptop modules via the bus board.

Front Panel Reference

Mixer A (Left Side)

- **IN 1–4** (Jacks) – 4 input channels (audio/CV/gate)
- **GAIN 1–4** (Knobs) – Per-channel gain control
- **OUT A** (Jack) – Output for Mixer A
- **Note:** If OUT A is patched, Mixer A is isolated and not summed into Mixer B.

Mixer B (Right Side)

- **IN 5–8** (Jacks) – 4 input channels (audio/CV/gate)
- **GAIN (Master Knob)** – Single overall gain for Mixer B
- **OUT B** (Jack) – Output for Mixer B

- **Input Summing:** Sums IN 5–8, Mixer A output (if OUT A not patched), and Bus Mix signal (if enabled via switch).

BUS MIX (for Tiptop Bus Mix)

- **BUS ON/OFF** (Toggle Switch) – Enables/Disables mixing of Bus Mix channel into Mixer B.
- **Keep OFF if not using Bus Mix** to reduce system noise.
- **BUS MIX INPUT** (Hidden, Internal) – Receives signals from enabled modules over the power bus board (using rear jumpers).

Inputs/Outputs & Voltage Ranges

- **All mixer inputs support audio, CV, and gate signals**
- **Inputs:** AC or DC (compatible with typical Eurorack voltage ranges, ±10V)
- **Outputs:** Standard Eurorack audio/CV levels

Inputs

Jack	Label	Type	Notes
1	IN 1	A, CV, Gate	Mixer A, Channel 1
2	IN 2	A, CV, Gate	Mixer A, Channel 2
3	IN 3	A, CV, Gate	Mixer A, Channel 3
4	IN 4	A, CV, Gate	Mixer A, Channel 4
5	IN 5	A, CV, Gate	Mixer B, Channel 1
6	IN 6	A, CV, Gate	Mixer B, Channel 2
7	IN 7	A, CV, Gate	Mixer B, Channel 3
8	IN 8	A, CV, Gate	Mixer B, Channel 4

Outputs

Jack	Label	Type	Notes
1	OUT A	Audio/CV	Mixer A output
2	OUT B	Audio/CV	Mixer B summed output

Rear/Bus Connections

- **Bus Mix Jumpers (on compatible Tiptop modules):**
- Place jumper on both pins to enable module signal on the bus (Bus Mix).
- **Bus Mix is only received by MIXZ when BUS MIX switch is ON.**
- If using multiple MIXZ modules, only activate BUS MIX on one per bus board row.

Controls Summary

Type	Location	Function
4 x Gain Knobs	Mixer A	Per-channel input gain for IN 1−4
1 x Gain Knob	Mixer B	Master gain for Mixer B (IN 5−8, A in, Bus Mix)
1 x Toggle	Mixer B	BUS MIX ON/OFF (enables Bus Mix signals on Mixer B)

Usage Tips

- **Patch OUT A** if you want to use Mixer A independently from Mixer B.
- **Leave OUT A unpatched** to sum Mixer A output into Mixer B.
- **Toggle BUS MIX ON (only one MIXZ per row),** to receive bused signals from Tiptop modules.
- **Keep BUS MIX OFF** if not using Bus Mix to minimize potential noise.
- **Cannot use on Doepfer CV/GATE bus row unless BUS MIX is OFF.**
- **Max Bus Mix channels:** ~16 per bus board, subject to practical limitations.

Noise & Best Practices

- **Bus Mix adds some noise**—panel inputs are quieter.
- **CP909 and similar modules may add bus noise due to internal noise sources.**
- **Only sum Bus Mix with one MIXZ per row.**

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