Erica Synths — Drum Mixer

- Manual PDF

Erica Synths Mixer Manual (PDF)

Erica Synths Drum Mixer Cheat Sheet

Overview:
The Erica Synths Drum Mixer is a 6-channel audio module designed for summing drum voices in a modular system. Key features include channel compression, effect send/return, and dual outputs.

Inputs / Outputs Reference

Jack	Function	Notes / Voltage Ranges
`IN1–IN7`	Audio Inputs (channel 1–7)	±5Vpp max, input signal is muted when potentiometer is fully CCW
`AUX OUT`	Post-fader / post-comp send output for effects loop	Audio signal out
`AUX IN`	Effects return input	Audio signal in
		Audio signal out

Jack	Function	Notes / Voltage Ranges
`MAIN OUT`	Main summed audio output (post compressor & effects)	

Knobs / Controls Reference

Control	Type	Function	Notes
`IN1–IN7`	Potentiometer	Controls input level for corresponding input	Sets gain, provides visual feedback via LEDs, up to ±5Vpp
`COMP AMT`	Potentiometer	Amount of compression applied	Adjusts signal compression to taste
`RELEASE`	Potentiometer	Compression release time	Sets the release time for compressor
`SWITCHES`	Toggle switches	Routes each input to Main output and/or Aux Send	Assigns each channel's signal to main or auxiliary outputs

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LEDs

- **Channel LEDs:** Show visual feedback for input signal level (illuminated when signal reaches ±5Vpp).

- **Clip LED:** Indicates when signal level exceeds headroom, risk of distortion.

Signal Routing Tips

- **Channel Assign:** Use switches per input channel to route to Main output, Aux Send, or both.
- **Compression:** Use COMP AMT and RELEASE to dial in dynamic control across summed channels.
- **Effects Loop:** Patch from AUX OUT to external FX, return to AUX IN. Only channels routed to Aux Send are sent to this path.

Tech Specs

- **Mixer Gain:** Adjustable per channel
- **Max Input Level:** 10V peak-to-peak
- **Headroom:** >20Vpp
- **Depth:** 35mm

Quick/Typical Workflow

1. **Patch** drum/audio sources to `IN1–IN7`.
2. **Set channel levels** with each channel's potentiometer.
3. **Assign outputs** for each channel with toggle switches (Main, Aux, or both).
4. **Optionally compress** the mix with COMP AMT and RELEASE.
5. **Apply FX**: Send to external FX via AUX OUT and return processed audio via AUX IN.
6. **Monitor** the main mix from `MAIN OUT`.
