

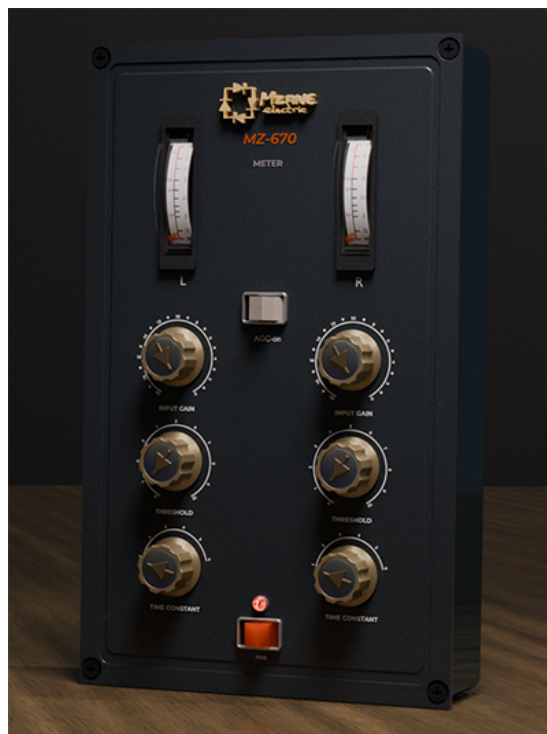
VST3 · AU · Version 1.0 · Mzane Electric

MZ-670

Dual-channel AGC compressor · Left/Right & Lat/Vert · Multi-stage ballistics

A hardware-styled dual AGC compressor with independent channel controls, classic time-constant ballistics, Mid/Side (Lat/Vert) mode, gain-reduction meters, and a Studio strip for mix and pro extras.

www.mzanelectric.com · info@mzanelectric.com



MZ-670 interface

1. Welcome

MZ-670 by Mzane Electric is a dual-channel automatic gain control compressor inspired by classic lat/vert dynamics processors. Use it on stereo buses, vocals, guitars, drums, or mastering chains when you want smooth leveling with independent left and right (or mid and side) control. The faceplate keeps the hardware workflow; the Studio strip adds modern mix tools without cluttering the main panel.

This guide covers installation, the interface, every control, and practical tips for musicians and producers.

Key features

- Dual channels with Input, Threshold, and Time Constant per side
- AGC Mode: Left/Right or Lat/Vert (Mid/Side encode → compress → decode)
- Six multi-stage time-constant positions for classic ballistics
- Hardware-style GR meters and Power switch
- Studio strip: Output, Mix, SC HPF, Stereo Link, Tube, Knee, Lookahead, Peak/RMS, Auto Makeup, External SC, Bypass
- Parameter values shown as tooltips while you drag knobs (clean faceplate)
- Activation and trial through your Mzane Electric account

What you will need

- A DAW that loads VST3 (and AU on macOS).
- MZ-670 installed from your official Mzane Electric download.
- Audio on the track or bus where you insert the plugin.

2. Installation

After purchase (or a trial download), get the package from your Mzane Electric account or product page on www.mzanelectric.com. Always install from the official download.

macOS

- Unzip the download. You will typically find both a **.vst3** and a **.component** (AU).
- VST3: copy into /Library/Audio/Plug-Ins/VST3/ (or your user Library VST3 folder) as **MZ-670.vst3**.
- AU: copy into /Library/Audio/Plug-Ins/Components/ (or your user Library Components folder) as **MZ-670.component**.
- Logic Pro and GarageBand use AU; many other DAWs use VST3.

Windows

- Unzip the Windows package.
- Copy **MZ-670.vst3** into C:\Program Files\Common Files\VST3\.

Restart your DAW or rescan plugins. If macOS asks for permission the first time, allow it and try again.

Tip: If the UI does not update after an install, remove the plugin from the track and insert it again.

3. Activation & Trial

MZ-670 is activated through your Mzane Electric account. Without an active trial or full license, audio processing is disabled.

- Open the plugin in your DAW.

- If it is not yet activated, the activation window will appear. You can also click **License** at any time.
- Sign in or create your Mzane Electric account.
- Start a free trial, or unlock the full version after you have purchased.
- If you already bought MZ-670 with the same account, full access should unlock automatically.

Purchase on **www.mzanelectric.com**. After buying, download from your customer library, install, then activate in the plugin with the same account. For help, email **info@mzanelectric.com**.

4. Interface overview

A vertical hardware panel (600×800). Left and right columns carry Input, Threshold, and Time Constant; AGC Mode sits near the top center and Power near the bottom. Dual gain-reduction meters sit above the knobs. Click **Studio** to open a strip under the panel for mix and pro parameters. Click **License** for activation.



Figure — MZ-670 interface.

Regions at a glance

Area	What you see
Meters	Left and right gain-reduction filmstrip meters.
AGC Mode	Click to switch Left/Right ↔ Lat/Vert (Mid/Side).
Input L / R	Channel input gain before compression.
Threshold L / R	How hard each channel compresses (higher = more sensitive).
Time Constant L / R	Ballistics positions 1–6 (faster to multi-stage slow).
Power	Click to enable or disable processing (crossfaded).
Studio	Opens Out, Mix, SC HPF, Link, Tube, Knee, Lookahead, detector, Auto MK, Ext SC, Bypass.
License	Moonbase activation and trial.

Drag knobs **vertically** to adjust values. Your DAW saves and recalls settings with the project.

5. Quick start

1. Insert MZ-670 on a stereo track or bus (or mono; the right channel mirrors the left when needed).
2. Turn Power on. Start with moderate Input Gain and a low-to-mid Threshold so the meters show some GR.
3. Set Time Constant to position 5 for a versatile multi-stage feel, or try 1–2 for faster response.
4. Use AGC Mode Left/Right for independent stereo, or Lat/Vert when you want mid/side dynamics.
5. Open Studio if you need parallel Mix, Output makeup, SC HPF, Tube color, or Lookahead.
6. Match loudness with Output (or Auto Makeup). Use License if you are asked to activate.

6. Controls reference

Drag knobs vertically to change values. Ranges below describe what each control does in everyday use.

Control	Range	What it does
Input L / R	–20 ... 0 dB	Gain into each compressor channel. Higher input drives more gain reduction.
Threshold L / R	0 ... 10	Maps to about –50 ... 0 dB. Higher values engage compression more easily.
Time Constant L / R	1 ... 6	Ballistics preset. 1–4 single-stage (fast→slow); 5–6 multi-stage (classic compound release).
AGC Mode	L/R · Lat/Vert	Click switch. Lat/Vert encodes Mid/Side, compresses each, then decodes.
Power	Off / On	Click switch. Off passes dry audio with a short crossfade.
Output (Studio)	–24 ... +24 dB	Makeup / output gain after compression.
Mix (Studio)	0 ... 100%	Dry/wet blend for parallel compression. 100% = full wet.
SC HPF (Studio)	20 ... 300 Hz	High-pass on the detector only. Raise to ignore bass when keying GR.
Stereo Link (Studio)	0 ... 100%	In L/R mode, blends detectors toward a shared peak (keeps image stable).
Tube (Studio)	0 ... 100%	Soft tanh saturation amount after the compressor (0 = clean).
Knee (Studio)	0 ... 24 dB	Soft-knee width. Wider = gentler onset of compression.
Detector (Studio)	Peak / RMS	Peak for punchy GR; RMS for smoother average leveling.
Lookahead (Studio)	0 ... 10 ms	Delays audio so the detector can catch transients early.
Auto Makeup (Studio)	Off / On	Adds a conservative makeup estimate from threshold.
External SC (Studio)	Off / On	Key from the sidechain input bus when the host provides one.
Bypass (Studio)	Off / On	Full bypass of processing (with Power, for A/B checks).

7. Usage tips

- Vocals / dialogue: moderate Input, Time Constant 4–5, Peak or RMS detector, Mix near 100%, then Output to match.
- Drum bus: lower Threshold slightly, Time Constant 1–2 for snap, or 5 for glue; try Stereo Link 50–100% in L/R mode.
- Mastering / 2-bus: Lat/Vert mode, gentle Threshold, longer Time Constant, SC HPF around 80–120 Hz, low Tube.
- Parallel compression: set Mix near 30–50% and raise Input/Threshold for stronger wet path character.

- If the image wobbles in L/R mode, increase Stereo Link. If mids feel over-controlled in Lat/Vert, ease mid Threshold.
- AGC Mode and Power are click switches — click once to flip; no vertical drag needed.
- Knob values appear as a tooltip while you drag (no permanent yellow labels on the faceplate).
- Always A/B with Power or Bypass and set Output so loudness stays fair.

Troubleshooting

Issue	What to try
No sound	Confirm activation (License). Check Bypass, mute, Level/Mix, and that audio is playing.
Plugin not found	Rescan plugins. Use AU in Logic/GarageBand; VST3 elsewhere. Verify install folders.
Activation problems	Sign in with the purchase account. Re-open License. Email info@mzanelectric.com .
macOS blocks plugin	Re-download the official release and install again. Allow permission if prompted.

Support & product info

Product	MZ-670
Format	VST3 + AU (macOS) · VST3 (Windows)
Manufacturer	Mzane Electric
Version	1.0
Website	www.mzanelectric.com
Support	info@mzanelectric.com

Thank you for using MZ-670. For product support, contact Mzane Electric.