

Quick Reference Guide

Four-channel digitally controlled analog equalizer

TIMELESS ANALOG. EVOLVED.

Classic Neumann equalization, modern control

ANALOG EON builds the W5091R around original Neumann W5091 modules. The audio path stays analog, while grouped control, live A/B/C memories and factory/user presets make recall and comparison fast on mono sources, stereo pairs, stems and mix buses.

4 channels

Four mono channels, two stereo pairs or grouped work.

5 filters

HP, LP and three overlapping bell sections per channel.

A / B / C

Three live memories for instant comparison and refinement.

24 presets

16 protected factory starting points plus 8 user slots.

Panel overview

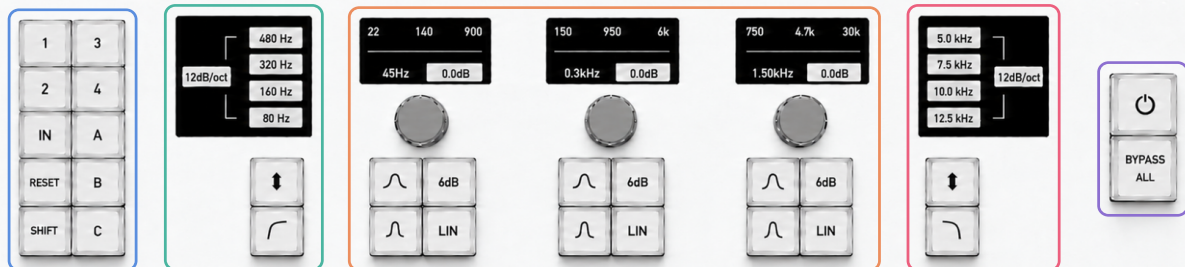
1 Keypad
Channel select, IN, RESET, SHIFT and A/B/C memories for fast selection and preset access.

2 HP section
High-pass display and up/down keys for controlled low-end cleanup.

3 BP1-BP3
Three main EQ bands with display, encoder, Q, 6 dB range and LIN.

4 LP section
Low-pass display and up/down keys for controlled top-end filtering.

5 Global control
Power and BYPASS ALL for instant full-unit comparison.



Main operating areas

Use it in practice

Work from selection to decision

1 Select channel or group
Choose channel 1-4. For stereo or linked work, select the first channel and long-press another channel to add it.

2 Clean up the extremes
Engage HP to remove unwanted low energy or LP to tame noise and excess top end before shaping the source.

3 Shape with BP1-BP3
Press an encoder to switch frequency/gain editing. Start broad at 3 oct; use 1 oct for more focused work.

4 Compare A, B and C
Edits are written directly to the active bank. Long-press another bank to copy the current idea and continue there.

5 Verify, then decide
Use temporary linear, band solo/invert and global bypass. Compare at similar perceived loudness and trust the result.

Controls at a glance

* SHIFT flashes until the combination key is pressed.

Channel, memory and preset workflow

Channel 1-4	Select a channel or group. Long-press a channel to add or remove it from the group.
IN	Toggle the selected channel or group in or out of circuit.
A B C	Select the active bank. Long-press another bank to copy and switch; long-press the current bank for temporary linear.
SHIFT + selected bank	Open preset mode. Choose a factory preset or User > Load, then press encoder 3 to audition.
Audition / load	Return restores the bank. Continue and confirm to keep the preset in the active bank.

Filters, bands and listening checks

HP / LP up-down	Short press moves up; long press moves down. Press SHIFT then press up/down to reset HP or LP. Long-press IN: an ON filter is isolated; an OFF filter is temporarily switched ON. Release IN to restore the previous ON / OFF states.
BP encoder	Rotate to edit. Press toggles frequency/gain. Long-press resets the selected parameter.
Q buttons	Select 3-oct or 1-oct bandwidth. Long-press temporarily inverts the band's gain.
Band solo	Press SHIFT then long-press LIN to solo the selected bell band while held.
6 dB / BYPASS ALL	6 dB selects fine gain; long-press changes range. BYPASS ALL toggles globally; long-press is temporary.

Audition functions and listening checks

Global bypass	Long-press BYPASS ALL for a temporary unit-wide comparison, then release to return instantly.	Band solo	Press SHIFT then long-press LIN to solo the selected bell band while held.
Temporary linear	Long-press the active A, B or C memory to set all filters linear. This is not relay or hard bypass: the EQ remains in circuit with a flat response. It stays active until any memory button is pressed. The previously active memory LED blinks while the function is active.	Band LIN	Press LIN to toggle the band linear. Long-press LIN : an active band becomes linear; a linear band becomes active. Release LIN to restore its previous state.
Band flip	Long-press a Q button to flip the selected band's gain. Turn the encoder while active to sweep the frequency and hear where it affects the content.	BP solo	Press SHIFT then long-press IN to solo all BP bands while held; HP and LP are temporarily excluded.
HP / LP solo	Long-press IN . An ON filter is isolated; an OFF filter is temporarily switched ON. Release IN to restore the previous ON / OFF states.	Preset audition	In preset mode, press encoder 3 to audition a preset. Return restores the current bank. Continue opens confirmation; confirm to load it, or cancel to discard the selection.

Factory Preset Curves

Protected starting points for mastering, mixing and tracking

TIMELESS ANALOG. EVOLVED.

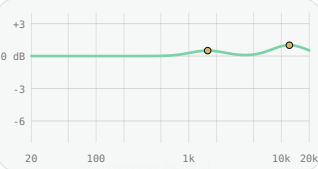
The curves below use illustrative combined-EQ plots. They show tonal tendency rather than laboratory transfer measurements. Audition a preset with encoder 3; the active A/B/C memory remains unchanged until the final load confirmation.

— combined response ● active bell — HP/LP region

MASTERING

Open

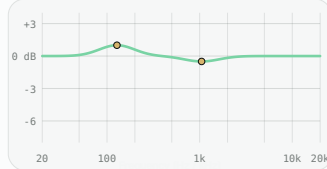
MASTERING



HP: Linear · LP: Linear
BP1: Linear
BP2: +0.5 dB @ 1.60 kHz · 3 oct
BP3: +1.0 dB @ 12.20 kHz · 3 oct

Warm

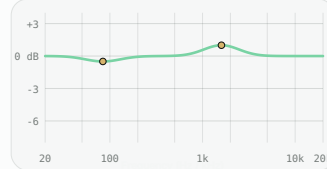
MASTERING



HP: Linear · LP: Linear
BP1: +1.0 dB @ 128 Hz · 3 oct
BP2: -0.5 dB @ 1.05 kHz · 3 oct
BP3: Linear

Defined

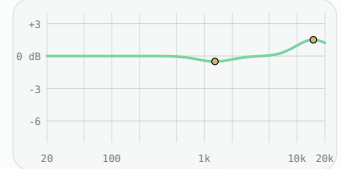
MASTERING



HP: Linear · LP: Linear
BP1: -0.5 dB @ 84 Hz · 3 oct
BP2: +1.0 dB @ 1.60 kHz · 3 oct
BP3: Linear

Air

MASTERING

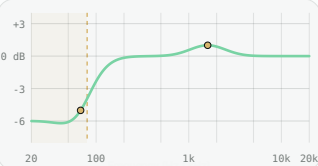


HP: Linear · LP: Linear
BP1: Linear
BP2: -0.5 dB @ 1.30 kHz · 3 oct
BP3: +1.5 dB @ 15 kHz · 3 oct

MIXING

Tight

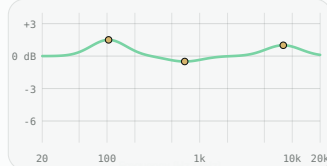
MIXING



HP: 80 Hz · LP: Linear
BP1: -1.0 dB @ 68 Hz · 3 oct
BP2: +1.0 dB @ 1.60 kHz · 3 oct
BP3: Linear

Punchy

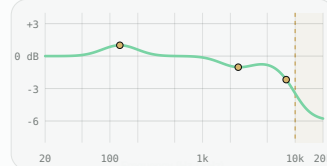
MIXING



HP: Linear · LP: Linear
BP1: +1.5 dB @ 104 Hz · 3 oct
BP2: -0.5 dB @ 690 Hz · 3 oct
BP3: +1.0 dB @ 8 kHz · 3 oct

Smooth

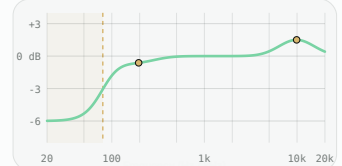
MIXING



HP: Linear · LP: 10 kHz
BP1: +1.0 dB @ 128 Hz · 3 oct
BP2: -1.0 dB @ 2.43 kHz · 3 oct
BP3: -0.5 dB @ 8 kHz · 3 oct

Spacious

MIXING

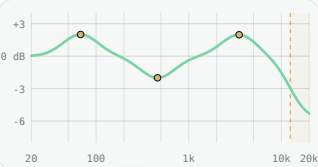


HP: 80 Hz · LP: Linear
BP1: -0.5 dB @ 195 Hz · 3 oct
BP2: Linear
BP3: +1.5 dB @ 9.90 kHz · 3 oct

TRACKING

Kick punch

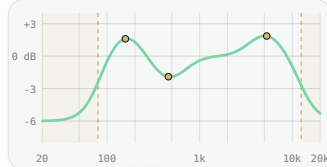
TRACKING



HP: Linear · LP: 12.50 kHz
BP1: +2.0 dB @ 68 Hz · 3 oct
BP2: -2.0 dB @ 460 Hz · 3 oct
BP3: +2.0 dB @ 3.50 kHz · 3 oct

Snare crack

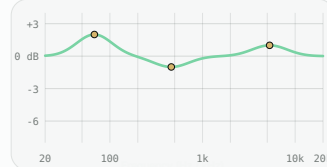
TRACKING



HP: 80 Hz · LP: 12.50 kHz
BP1: +2.0 dB @ 158 Hz · 3 oct
BP2: -2.0 dB @ 460 Hz · 3 oct
BP3: +2.0 dB @ 5.30 kHz · 3 oct

Tom weight

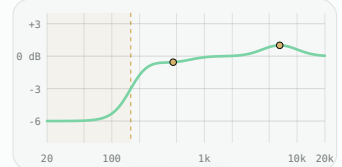
TRACKING



HP: Linear · LP: Linear
BP1: +2.0 dB @ 68 Hz · 3 oct
BP2: -1.0 dB @ 460 Hz · 3 oct
BP3: +1.0 dB @ 5.30 kHz · 3 oct

Hi-hat sheen

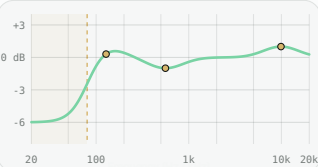
TRACKING



HP: 160 Hz · LP: Linear
BP1: Linear
BP2: -0.5 dB @ 460 Hz · 3 oct
BP3: +1.0 dB @ 6.50 kHz · 3 oct

Piano clarity

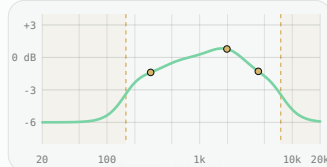
TRACKING



HP: 80 Hz · LP: Linear
BP1: +1.0 dB @ 128 Hz · 3 oct
BP2: -1.0 dB @ 560 Hz · 3 oct
BP3: +1.0 dB @ 9.90 kHz · 3 oct

Guitar focus

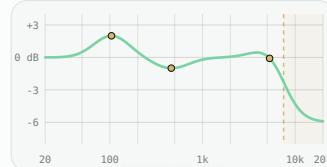
TRACKING



HP: 160 Hz · LP: 7.50 kHz
BP1: -1.0 dB @ 296 Hz · 3 oct
BP2: +1.0 dB @ 1.97 kHz · 3 oct
BP3: -1.0 dB @ 4.30 kHz · 3 oct

Bass definition

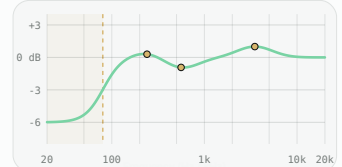
TRACKING



HP: Linear · LP: 7.50 kHz
BP1: +2.0 dB @ 104 Hz · 3 oct
BP2: -1.0 dB @ 460 Hz · 3 oct
BP3: +1.0 dB @ 5.30 kHz · 3 oct

Vocal clarity

TRACKING



HP: 80 Hz · LP: Linear
BP1: +0.5 dB @ 240 Hz · 3 oct
BP2: -1.0 dB @ 560 Hz · 3 oct
BP3: +1.0 dB @ 3.50 kHz · 3 oct

Preset access: select destination bank → SHIFT → briefly press the same selected A/B/C key.

Green line = approximate response · settings shown below each plot