

Intellijel Jellymix — 2026.02.20

Compact Stereo Performance Mixer



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Compliance Statements

FCC COMPLIANCE STATEMENT



This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

EUROPEAN UNION REGULATION COMPLIANCE STATEMENT



This device meets the requirements of the following standards and directives:

EMC: 2014/30/EU

EN55032:2015 ; EN55103-2:2009 (EN55024) ; EN61000-3-2 ; EN61000-3-3

Low Voltage: 2014/35/EU

EN 60065:2002+A1:2006+A11:2008+A2:2010+A12:2011

RoHS2: 2011/65/EU

WEEE: 2012/19/EU

CANADA

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003.

LEGAL DISCLAIMER

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Safety Precautions

Please read the following instructions carefully, and adhere to the operating advice:

- Do not use the device in or near water.
- Do not clean the device with harsh chemicals, nor allow moisture or any objects to enter the case through the various jacks, sliders, etc. Remove dust, dirt and fingerprints with a soft, dry and non-abrasive cloth, disconnecting all cables when doing so. Do not spray liquid cleansers onto or into the device.
- Install the device in accordance with the manufacturer's instructions. Make sure you place it on a stable surface before use. If you rack mount the device, be sure to tighten all mounting screws attaching the ears to the unit and to the equipment rack.
- Connect the device to an easily accessible and nearby electrical outlet. Do not put heavy objects on the unit; place it where it might fall; or where you might trip over any connecting cords.
- Use only the factory-supplied power adaptor, and do not pinch the power cable, nor allow it to be walked on. Do not bend or damage its plugs.
- When transporting the device, use only manufacturer approved cases or the original box and padding.
- Do not install the device near any heat sources such as radiators, registers, stoves, heat lamps, or any other equipment (including amplifiers) that produce heat.
- Do not cover the device while it's powered on.
- The device (either via its internal headphones or through external amplification) is capable of producing sound levels that could result in permanent hearing loss. Do not operate the device at excessively loud or uncomfortable volumes.
- Only use attachments and accessories specified by the manufacturer.
- Always unplug the unit during lightning storms, or when it is not used for long periods of time
- Do not open the case. Refer any servicing to a qualified professional. Servicing is required when the unit has been damaged in any way, such as when liquids have spilled on it; objects have fallen into it; it's been exposed to rain or moisture; it's been dropped.

WARNING

To reduce the risk of fire, electrical shock or product damage:

- Do not expose the device to rain, moisture, dripping or splashing. Avoid placing liquid filled objects (such as vases, beverage containers, etc) on or near the device.
- Do not expose the device to direct sunlight, nor use it in ambient temperatures exceeding 35°C. Do not use the device in extremely hot, cold, humid or dusty environments.
- Do not open the case. There are no user repairable parts inside. Refer all service and repairs to trained service technicians only.
- Do not exceed the limitations specified in the Electrical specifications.

HEARING WARNING

- To protect your speakers from damage and/or your ears from permanent hearing loss, always turn down the volume on your amplifier before connecting Cascadia's audio output.
- Do not use headphones in areas where situational awareness is required. Do not use headphones at high volume, or for extended periods of time, and always reduce the volume level when first connecting them.

POWER ADAPTER SAFETY

- The adapter is not safety grounded and may only be used indoors.
- To ensure good ventilation for the adapter, do not place it in tight spaces. To prevent risk of electric shock and fire because of overheating, ensure that no objects prevent adapter ventilation.
- Do not expose the power adapter to direct sunlight
- Connect the adapter to an easily accessible electrical outlet close to the unit.

Welcome to Jellymix

Jellymix is a compact stereo performance mixer, designed for live mixing with modular, grooveboxes, keyboards, and other electronic instruments. There are five stereo channels for you to mix your devices through, each with select controls for streamlined mixing.

Perfectly balance your gain staging with the Input Gain and Level controls. Keep things clean with plenty of headroom, or crank the gain to add some pleasing distortion. Jellymix can handle line-level through to modular-level, plus it has a Hi-Z input for passive instruments on Channel 1.

Shape your audio with Tilt EQ – a one-knob EQ control per channel that ‘tilts’ the balance between a brighter or darker sound. There’s also a high-pass switch per channel to instantly remove sub-frequencies from your audio sources.

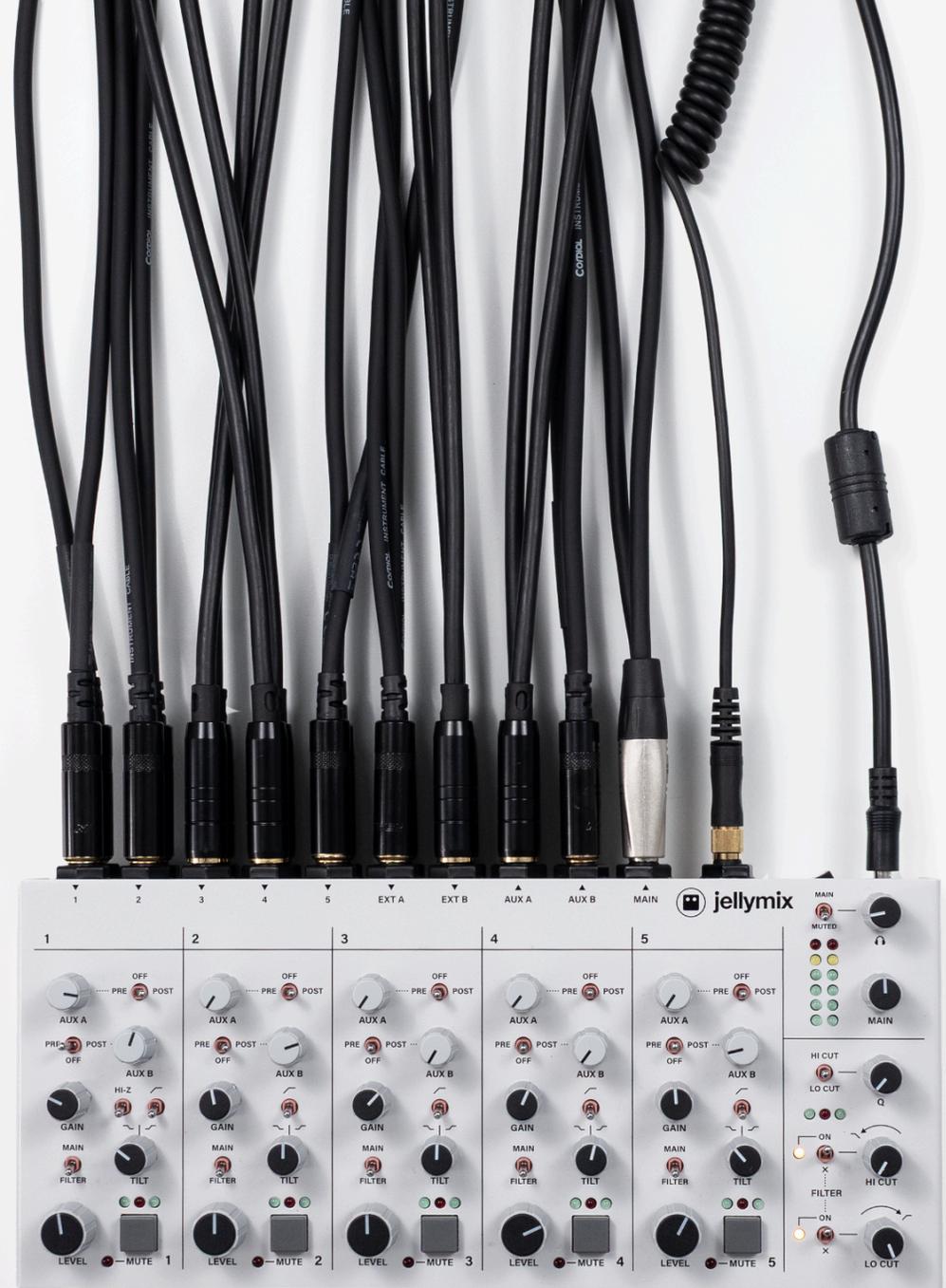
Clickless Mutes allow you to seamlessly punch elements in or out of the mix. Muted channels are routed to a separate ‘Muted’ bus, accessed from the headphone output.

Two stereo aux sends – Aux A and Aux B – let you incorporate external FX, create alternate mixes, monitor mixes, or even create feedback loops. Each mixer channel has a send level and routing switch per Aux.

In addition to the five input channels, there are also two external inputs – Ext A and Ext B. These are perfect for returning FX sends or for summing additional devices to your main mix, such as another Jellymix.

Perform DJ-style filter drops with the Filter Section. The five mixer channels can be routed through the main filter, with controls for High Cut, Low Cut, Q, and bypass per band.

Send your mix out into the world with professional line-level outputs. Connect to speakers, mixers, audio interfaces, and more. You can also monitor your mixes with the headphone output.



Front Panel Layout

Jellymix comprises three main sections, outlined below.

Rear Panel Connections

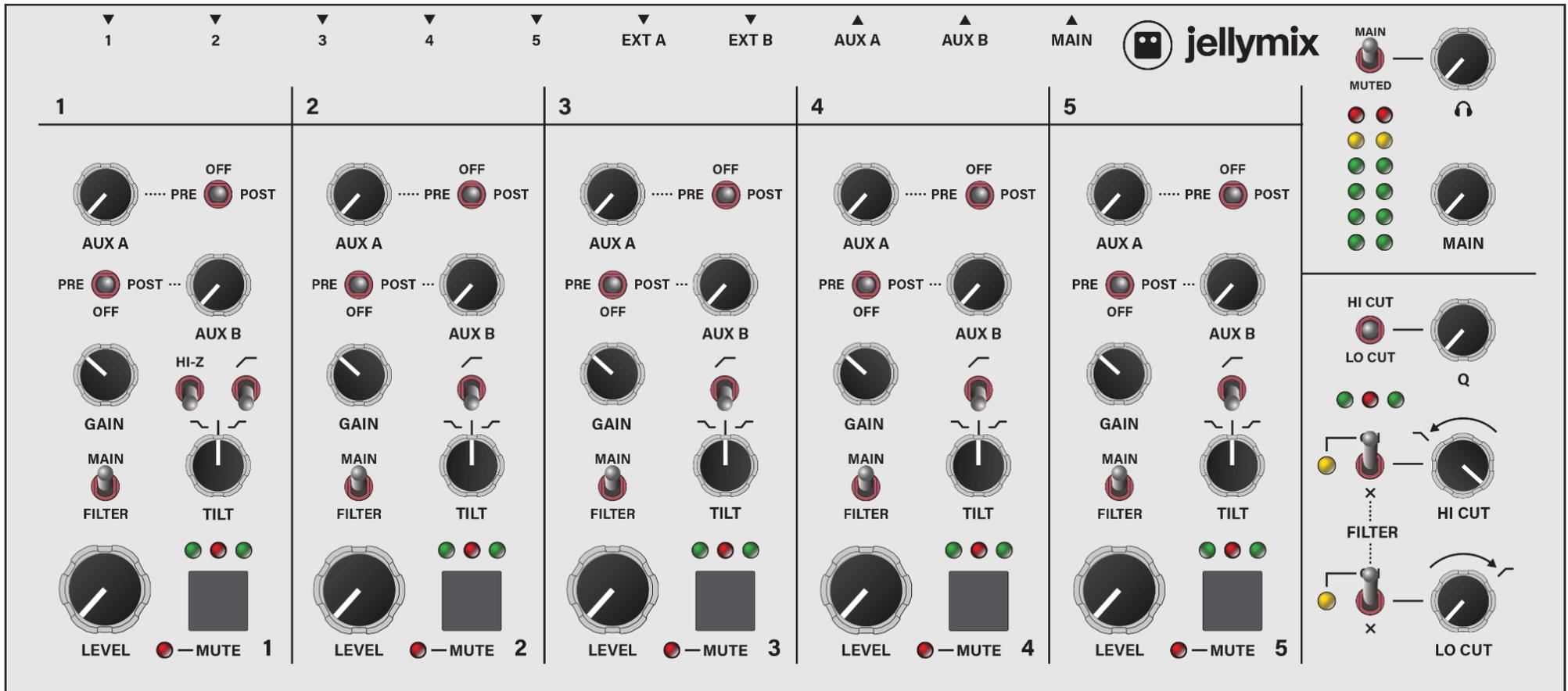
The [Rear Panel Connections](#) include all the audio inputs and outputs on Jellymix. The ins and outs are labelled along the top edge of the mixer.

5 Input Channel Strips

The five [Input Channel Strips](#) are your main mixing controls for each stereo input. These are labelled 1-5.

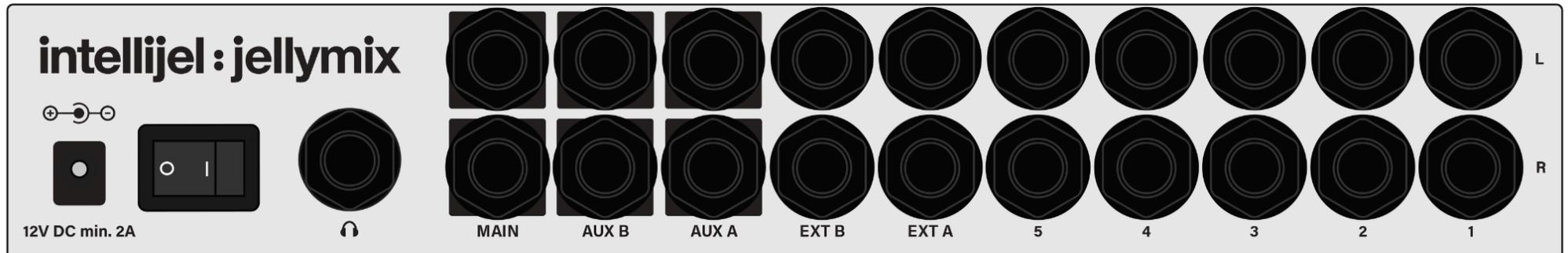
Main / Filter Strip

The [Main / Filter Strip](#) on the right-hand side of the mixer is where you'll find your Main and Headphone Level controls, VU Meter, and Filter Section controls.



Note: The controls in this diagram are set to a 'neutral position'. If you ever want to reset your mixer, copy these settings!

Rear Panel Connections



Power Input and Switch

Input socket for power supply: 12VDC, minimum 2A, centre-positive pin.

Headphone Output

¼" TRS unbalanced Stereo Output for Headphones, labelled . This will output either the MAIN mix or the MUTED channels, depending on the switch position on the **Front Panel**.

MAIN

¼" TRS balanced outputs for the Main Mix. Connect these to active monitors, audio interfaces, front of house mixer etc.

AUX A / AUX B

Two ¼" TRS balanced output pairs for **AUX A** and **AUX B**. Auxes are a separate mix to the Main Mix, created using the Aux Controls on each channel. The right output of each Aux normals to the left for summed mono out. Note: the summed mono output level may increase when equal signals in both channels reinforce each other.

They can be used for many applications, such as an FX Send or a Monitor Mix.

EXT A / EXT B

Two ¼" TRS balanced input stereo pairs for **EXT A** and **EXT B**. Audio patched into these external inputs is summed directly to the Main Mix – they have no front panel controls. The left input is normalled to the right for mono audio sources. External inputs can be used as FX returns, as extra inputs for instruments, or as a chain input for an additional mixer (such as another Jellymix!).

Channel Inputs 1 - 5

Five ¼" TRS balanced input pairs, labelled **1 - 5**. The top row of jack sockets is the left input for each channel (labelled **L**), and the bottom row is the right input (labelled **R**). The left input is normalled to the right for mono audio sources. These inputs are linked to the **Input Channel Controls** on the front.

Channel inputs can accommodate balanced or unbalanced connections from line or modular-level sources.

Input Channel Strips

Aux Controls

Channels have two Aux Sends – **AUX A** and **AUX B**. Each has a Level Control and a Routing Switch for **PRE / OFF / POST**.

AUX A / B

The amount of signal from the channel is sent to the auxiliary output.

PRE / OFF / POST

Adjust the source of the Aux signal.

PRE sends the signal before **LEVEL** and **MUTE**.

OFF mutes the send.

POST sends the signal after **LEVEL** and **MUTE**.

Input Controls

GAIN

Sets the channel's input gain. **GAIN** should be balanced with the **LEVEL** to achieve optimal signal level - whether that's clean or distorted.

High Pass Filter Switch

A fixed highpass filter at 150Hz with a -6dB/oct slope. This is useful for instantly removing low frequencies from input sources. Enable by switching to the upwards position.

HI-Z (Channel 1 Only)

Channel 1 has a **HI-Z** switch that adds gain boost for passive instrument input, such as a guitar or bass.



Shape Controls

TILT EQ

A one-knob EQ that 'tilts' the balance between low frequencies (CCW) and high frequencies (CW), with a range of +/-10dB centred around 810Hz.

MAIN / FILTER Switch

Selects whether a channel is routed through the Filter Section on Jellymix.

Select **MAIN** to route to the Main Mix.

Select **FILTER** to route to the Filter Section.

Level Controls

LEVEL

Sets the level of the channel in the Main Mix. Balance with **GAIN** to achieve an optimal signal strength.

MUTE

Silences the channel in the Main Mix. **MUTE** is active when the linked LED is *LIT RED*. Press once to mute, press and release to unmute. Muted channels can be monitored from the **Headphone Output**.

Signal LEDs

The three LEDs above the MUTE button indicate the strength of the input signal, measured before **LEVEL** and **MUTE**. The left and right green LEDs display the left and right signal strength, respectively. The centre red LED lights up when the signal is clipping from either input.

Main / Filter Strip

Headphones (Upper)

(Headphone Level)

Controls the level of the Headphone Output.

TIP: Turn the headphone level down when first putting on headphones.

MAIN / MUTED (Headphone Source)

This switch selects the headphone output source between the **MAIN** mix (up) or the **MUTED** channels (down).

MUTED monitors channels post **LEVEL**.

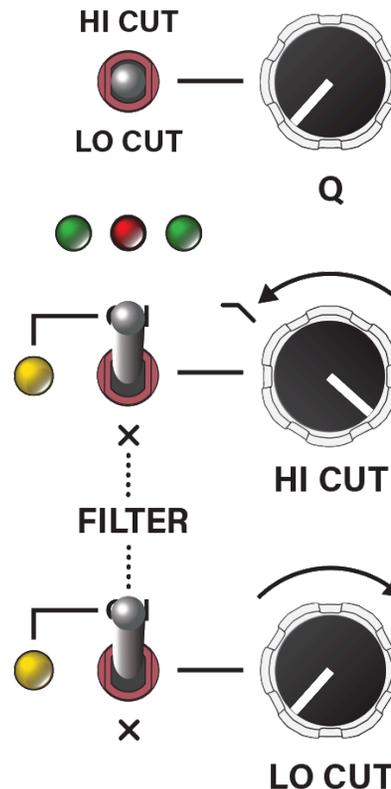
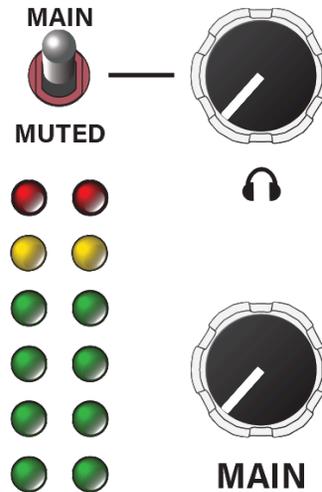
Main Output (Upper)

MAIN Level

Controls the overall level of the mix at the **MAIN** Outputs.

LED VU Meter

A 2 x 6 VU meter of the Main Mix, pre **MAIN** output level. Each LED row represents signal strength in decibels (dBu). From bottom to top, the green LEDs represent -18dBu, -12dBu, -6dBu and 0dBu. The amber LED indicates +6 dBu, and the red LED indicates +19 dBu – at which point the main mix output will clip.



Filter Controls (Lower)

Input channels can be routed through the filter section, using the **MAIN / FILTER** switches.

Q with HI CUT / LO CUT Selector Switch

Q sets the level of resonance at the **HI CUT** and **LO CUT**. The 3-position selector switch allows you to apply **Q** level to **HI CUT** (up), **LO CUT** (down) or both (middle).

HI CUT with ON / x Switch

Sweepable lowpass filter with a range of 8Hz (CCW) - 22kHz (CW)

ON routes signal through the filter band.

x bypasses the **HI CUT** filter.

LO CUT with ON / x Switch

Sweepable highpass filter with a range of 5Hz (CCW) - 22kHz (CW)

ON routes signal through the filter band

x bypasses the **LO CUT** filter.

Note: The **LO CUT** passes through the **HI CUT** in series.

Technical Stuff

Power	12VDC/2A min., 2.1mm Center-pin-positive Power Supply included (MEAN WELL 30W 12VDC/2.5A)
Dimensions	277mm (L) x 122mm (W) x 66mm (H) — Mixer incl. feet/knobs 370mm (L) x 160mm (W) x 105mm (H) — Boxed
Weight	Mixer Only: 1.087kg / Boxed w/ PSU: 1.568kg
Audio Inputs	5 x Stereo Line Inputs (10) – ¼” TRS Balanced 2 x Stereo EXT Inputs (4) – ¼” TRS Balanced
	Input Impedance 10kΩ
	HI-Z Impedance (CH1) 2.2MΩ
	Max Input Level +20dBu peak balanced (LINE and EXT A/B)
	Input Gain Range -22dB to +26dB (with Balanced Input)
	HPF Switch 150Hz, -6dB/oct, FILM caps
	Tilt EQ ±10dB, 810Hz center frequency
	Frequency Response Line in to MAIN out ±0.5dB 20Hz to 20kHz
Audio Outputs	1 x Stereo Main Output (2) – ¼” TRS Balanced 2 x Stereo Aux Outputs (4) – ¼” TRS Balanced
	Output Impedance 100Ω
	Max Output Level +26dBu Balanced / +20dBu Unbalanced
	1 x Headphone Output – ¼” TRS Unbalanced Stereo
	Headphone Impedance 55Ω
Noise	Residual Noise (All channels muted) -100dBu A-weighted, 20Hz to 20kHz
	Residual Noise (All channels muted, Main at Unity) -85dBu, A-weighted, 20Hz to 20kHz
	Residual Noise (All channels muted, Main at Unity) -83dBu, A-weighted, 20Hz to 20kHz
	THD + Noise @ 1kHz 0dBu, 20Hz to 20kHz
	Line In PRE to AUX A/B Out 0.005%
	EXT A/B In to MAIN Out 0.003%
	Line In to MAIN Out 0.07%
	Inter-channel Crosstalk <-94dB (1kHz +4dBu)
	Left/Right Crosstalk <-98dB (1kHz +4dBu)