

Q-MIX, Q-MIXI & Q-MIXO - User manual

1 Introduction

Once upon a time, needed a small audio mixer for my own case, including 4 inputs with LEVEL & PAN controls and an adjustable stereo audio level output, all in 6HP maximum!

The challenge of this new module was multiple:

- Strong focus on ergonomics in maximum 6HP.
- Pro audio components for excellent performance.
- LINE IN & OUT connectors on the rear panel, which allows to add future extension modules.
- Large MASTER stereo output potentiometer.
- Stereo PEAK LED with memory.
- Single electronic board and a boxed power connector.
- Quality capacitors on the audio path.

I made it and, following the positive comments from my entourage, I said to myself "what about marketing it"?

I have since added a sub-mixer (Q-MIXI) and a balanced output module (Q-MIXO) with two independent headphone outputs.



Q-MIX, Q-MIXI and Q-MIXO use quality capacitors in the audio signal path.

No DC signal can pass through the modules.

Depending on your use and needs, The Q-MIXI, Q-MIX and Q-MIXO modules can be used in 7 combinations:

- Individually



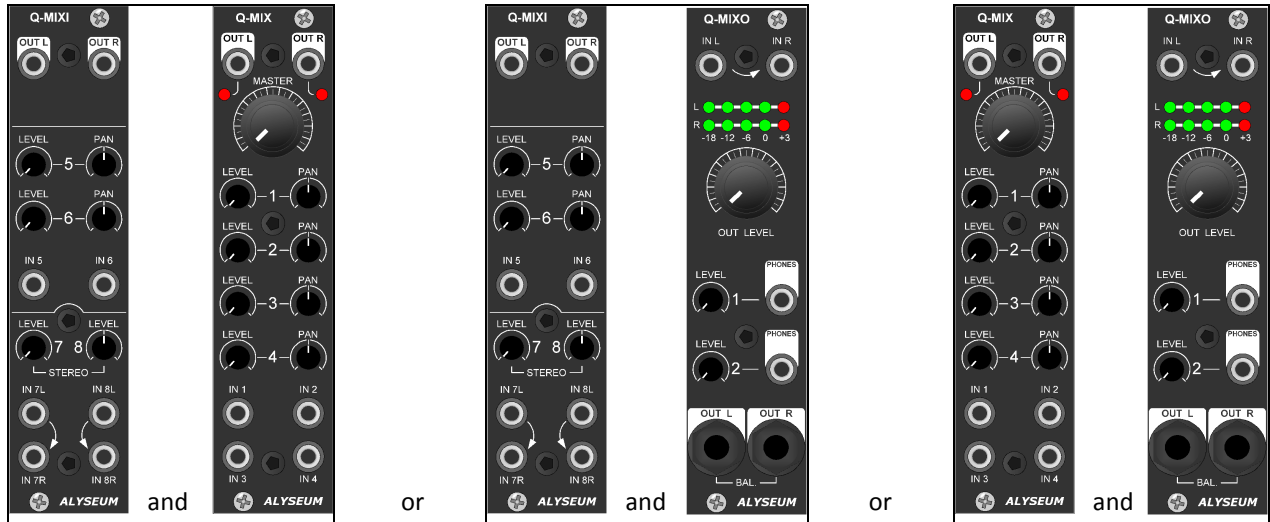
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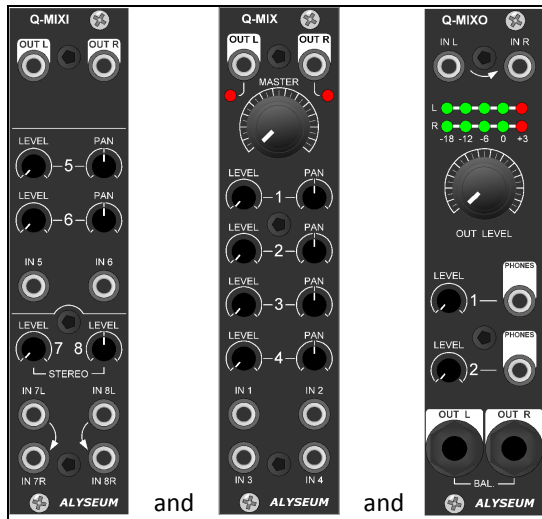
or



- In pairs



- And all three together



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3 Hardware

3.1 Package Content.

- One Q-MIX or Q-MIXI or Q-MIXO module with Eurorack compliant front panel.
- One plastic bag containing:
 - o Two M3 screws + M3 nylon washers.
 - o One 10/16 pins power ribbon cable.
- Warranty & user manual access card.

3.2 Installation.

If you use only one of the modules, place it where you want according to your personal ergonomics.

If you use 2 or 3 of these modules, it is important to place jointly the Q-MIXI on the left, the Q-MIX in the middle and the Q-MIXO on the right.

This is important for the rear wiring (see the chapter 3.6)



Choose the installation location of your unit carefully:

- Avoid placing it in direct sunlight or close to a source of heat.
- Avoid locations subject to vibrations, excessive dust, heat, cold, moisture or rain.

Procedure:

1. Only connect the module to a Eurorack bus board powered by a specified A-100 power supply.

2. Switch OFF and disconnect the Eurorack case from the main power supply by unplugging it from the wall socket!
3. Make absolutely certain that the ribbon cable has the right orientation by connecting the indicated red stripe on the negative 12 Volt side of your Eurorack case bus board.
4. Carefully place the module on an appropriately spaced spot on your Eurorack and fasten it firmly in place with the supplied screws and nylon washers. Replace any covers or blanking plates that you removed to install the module and screw them in firmly.
5. Reconnect the Eurorack case power cable back into the main power supply and switch the case power on.
6. If it doesn't seem to be working as expected, immediately disconnect the system from the main power supply again. In this case, double-check the connections, making completely sure that the ribbon cable is the right way round where it connects to the module and the bus.

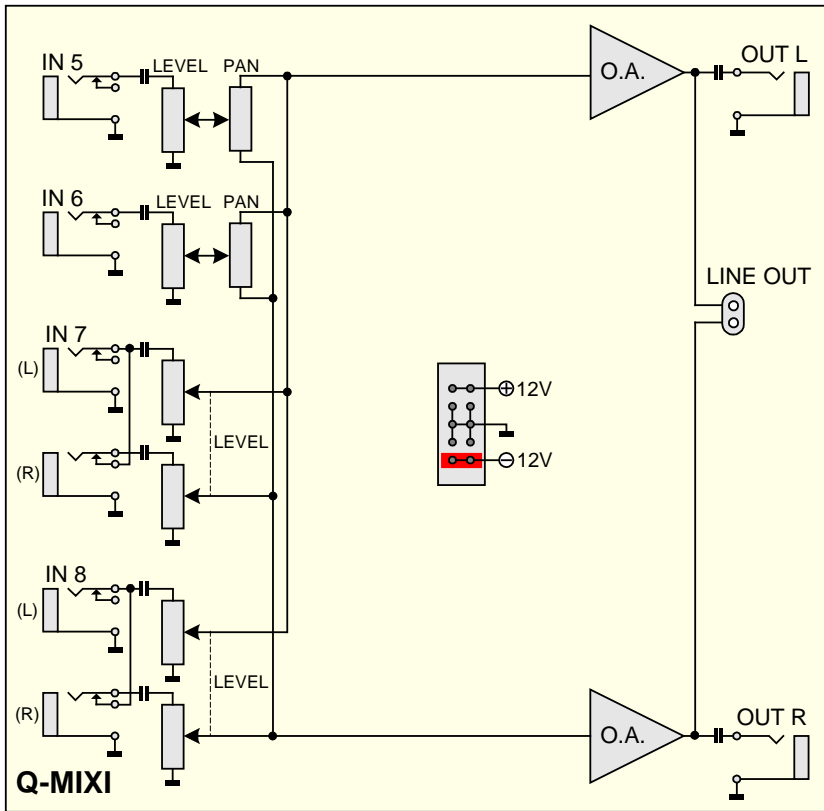
3.3 Features & specifications.

- High quality OP-AMP type LM49720
 - Low distortion: less 0.0001%
 - Low noise: typ. -110dB
- Power supply is fully protected against reverse ribbon cable insertion.
- Front panel width: 30 mm (6HP)
- Modules maximum depth: 26 mm

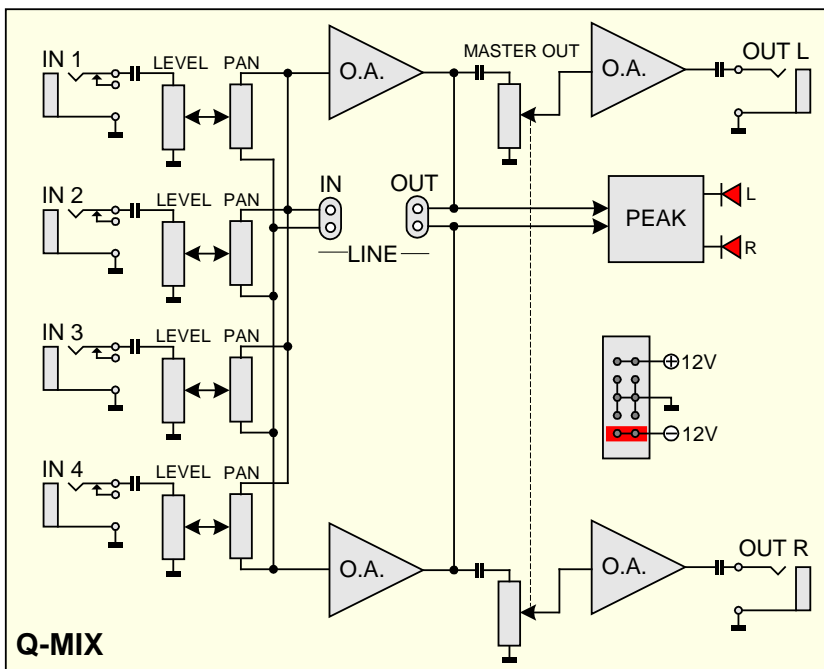
3.4 Fronts panels.

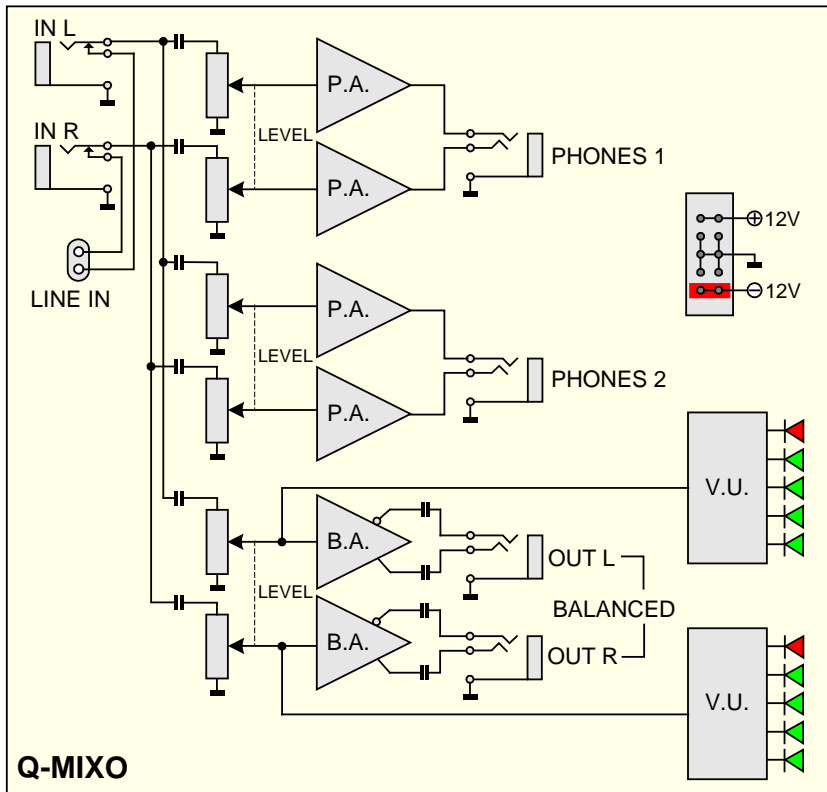


3.5 Bloc diagram.



NB: if you only have a mono signal for stereo inputs 7 and 8, use the left input, it will automatically be connected to the right input.





NB: The rear wiring from the Q-MIX is automatically cut if you insert a source into the input jacks.

3.6 Back Wiring.

Q-MIXI is equipped on its back side with a cable in a white sheath. You can connect it directly to the LINE IN socket of the Q-MIX.

Q-MIXO is equipped on its back side with a cable in a black sheath. You can connect it directly to the LINE OUT socket of the Q-MIX.

If you use Q-MIXI and/or Q-MIXO without the Q-MIX, please leave the cables unconnected.

NB: It is not possible to connect the Q-MIXI directly to the Q-MIXO

4 Use.

Well, is it necessary to explain how to use the LEVEL, PAN and Master Out adjustments of these modules?

There is abundant literature on the subject, and if you really have a question, do not hesitate to contact me personally at willi@alyseum.com

I would be pleased to answer you because you made the effort to read this user manual up to here.

5 Miscellaneous

5.1 Disclaimer

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Throughout this manual, trademarked names might be used. We state herein that we are using the name to the benefit of the trademark owner, with no intention of infringement.

5.2 Warranty and repair

ALYSEUM warrants to you, the original purchaser, that each of its products will be free from defects in materials and workmanship for a period of two years following the date of purchase.

This warranty does not apply to any products which have been repaired or altered by other than **ALYSEUM**, or which have been subject to ESD, moisture, abuse, accident, improper installation or use.

ALYSEUM assumes no liability as a consequence of such events under the terms of this Warranty.

Please, consult your dealer for more details or visit our support page on alyseum.com/support before any action.