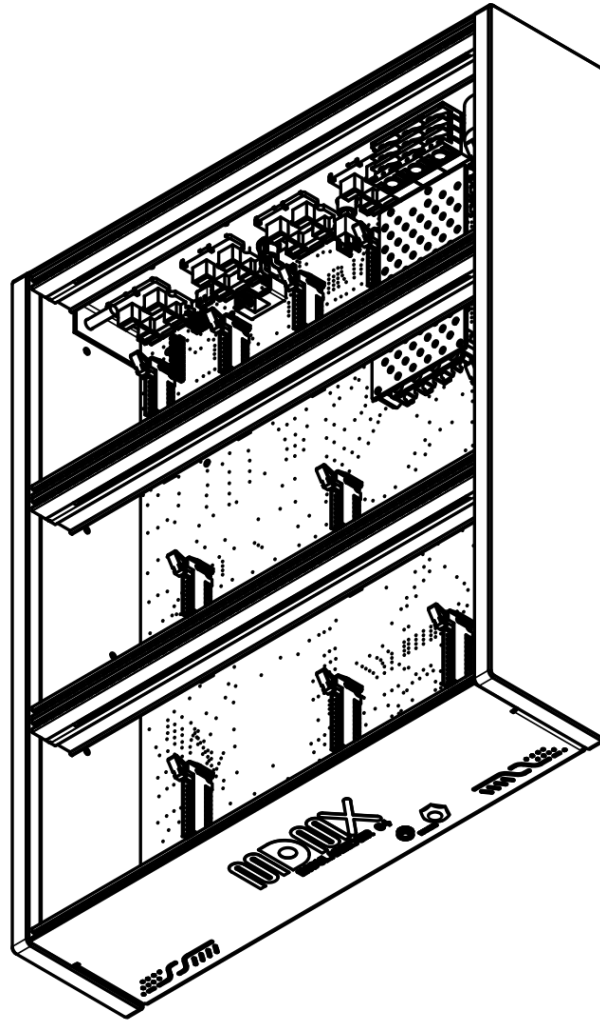


MDMX

MODULAR MIXER 04

Case

User Manual



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Introduction

Thank you for choosing the MDMX 04 from Menura Audio. To fully leverage the features of your modular DJ Mixer and ensure its optimal performance and longevity, please read this manual carefully before use. Be sure to keep the manual in a safe place for future reference.

These operating instructions are provided exclusively in digital form to protect the environment, enhance user convenience, and ensure you always have access to the latest information and safety guidelines.

If you have any questions or feedback that aren't covered in our FAQs, please use the contact form on our website or send us an email.

Enjoy exploring your MDMX 04 and getting creative with your music!

Contact Information

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Compliance



The “**MDMX 04**” from Menura Audio complies with the European Electromagnetic Compatibility directive 2014/30 EU, as well as 2011/65/EU (RoHS directive) and 2012/19/EU (WEEE directive) (WEEE registration number:).

The full EU declaration of conformity can be requested at the address shown under contact information.

Any changes or modifications to the equipment not approved by Menura Audio UG could void the compliance of the product and therefore the users authority to operate it.

Warranty

Unless expressly stipulated by the applicable law and jurisdiction, the following applies: Menura Audio UG (haftungsbeschränkt) warrants that the Menura Audio UG-branded hardware product and accessories contained in the original packaging are free from defects in materials and workmanship when used in accordance with Menura Audio UG's user manual, technical specifications, and other published guidelines. This warranty is valid for a period of TWO (2) YEARS from the date of original purchase by the end-user ("Warranty Period").

This warranty does not apply to any non-Menura Audio-branded hardware products or any software, even if packaged or sold with Menura Audio UG hardware.

Repair or replacement under this warranty does not extend or renew the original warranty period. Repairs or replacements may be performed with functionally equivalent service exchange units.

This warranty is non-transferable and does not cover normal wear and tear.

This warranty is the purchaser's sole and exclusive remedy. Menura Audio UG shall not be liable for any incidental or consequential damages or for breach of any express or implied warranty on this product.

Warranty Conditions

This warranty is voided if the equipment has been subject to misuse, accidental damage, neglect, or unauthorized alterations not described in the user manual or service manual, or not approved by Menura Audio UG (haftungsbeschränkt). Any necessary adjustments, alterations, or repairs must be carried out by an authorized Menura Audio UG distributor or agent.

The Limited Warranty is conditioned upon proper use of the product by the purchaser. This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abuse, neglect, **unusual physical or electrical stress**, modification of any part of the product, or **cosmetic damage**; (b) **equipment that has the serial number removed or made illegible**; (c) all plastic surfaces and other externally exposed parts that are scratched or damaged due to normal use; (d) defects or damage from improper testing, operation, maintenance, installation, adjustment, or service of the products

The defective unit must be returned, with prepaid carriage, to the place of purchase or an authorized Menura Audio UG distributor or agent, along with proof of purchase. Please contact the distributor or agent before shipping. If the unit requires repair in a country other than where it was purchased, the repair process may take longer than usual while the warranty is confirmed and parts are sourced. Units should be packed in the original carton to prevent damage during transit.

Warranty terms may vary by territory. Please check with your Menura Audio UG distributor or agent for any additional warranty information that may apply. For further assistance, please contact Menura Audio UG directly.

DISCLAIMER: Menura Audio UG shall not be liable for the loss of any saved or stored data in products that are repaired or replaced.

Safety Instructions



- Never remove the cover of the internal power supply.
- Replace fuses only with those of the same type and rating.
- Unplug the power cable before changing any modules.
- Use only Menura Audio Modules or other approved Eurorack Modules.
- Keep the device away from liquids and moisture to prevent damage.
- Exercise caution when changing the side panels; the magnets are very strong, so protect your fingers.
- Use only the provided AC/DC adapter.
- Ensure adequate ventilation; do not cover the device.
- Place the device on a stable surface to prevent it from falling.
- Avoid exposing the device to excessive dust, vibration, or extreme temperatures (e.g., direct sunlight, near heaters) to prevent warping or damage to internal components.
- Avoid operating this device at high or uncomfortable volume levels to prevent permanent hearing damage. If you experience any hearing difficulties, ringing in the ears, or suspect hearing loss, consult a doctor immediately.
- Caution: Electrical hazard! Keep away from children.

Menura Audio UG (haftungsbeschränkt) is not responsible for any damage caused by incorrect use of the device or by improper modifications to the device.

The illustrations shown here are for information purposes only and do not necessarily correspond to the actual appearance in operation.

You can find more information about the different settings of the Menura Audio MDMX 04 on our website below.

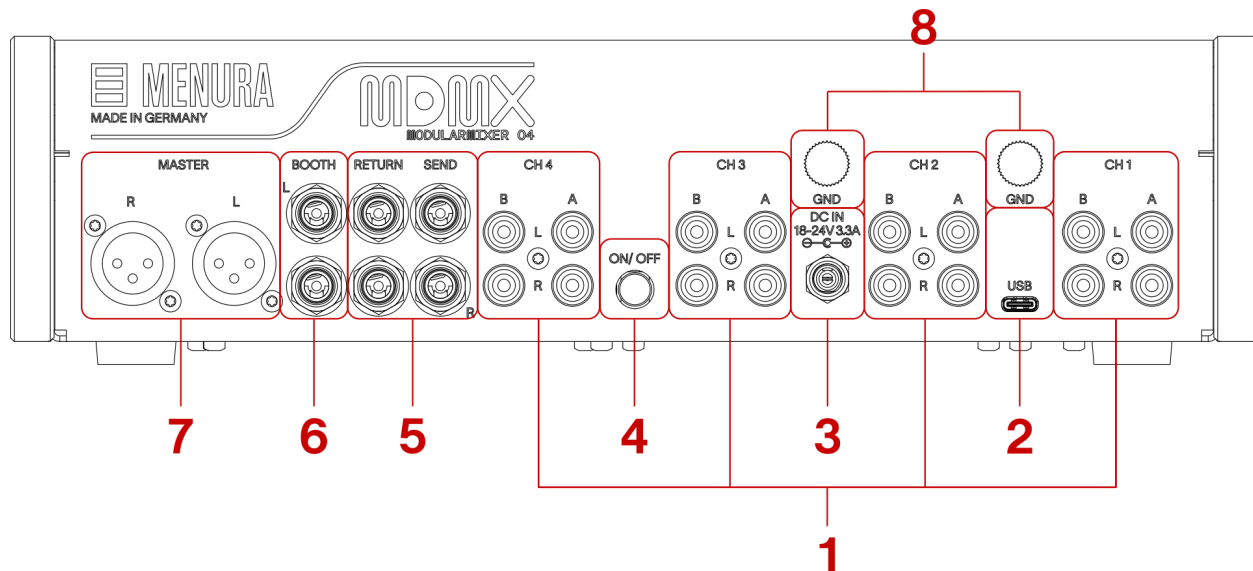
<http://www.menura-audio.com>

Delivery content

The package of your case includes:

- MDMX 04 case
- External power supply
- Screwdriver
- 40x screws
- 2x Master Insert Bridge Adapter

Back View



1 Input connectors

- RCA connectors are provided for connecting external sound devices, such as CD/media players or turntables.
- The input characteristics vary depending on the connected input modules. The module connected to IN 1 on the mainboard corresponds to the RCA connectors labeled CH1, and so on. The input signal can be selected on the input module, allowing you to switch between A and B.
- Depending on the input module used, only certain RCA inputs may be available. The actual connection is made on the input module itself. Refer to the specific module's manual for details.
- The L (white) connector is for left channel audio, and the R (red) connector is for right channel audio.

2 USB C connector

- A future digital extension is planned to activate the USB-C connection and enable digital functionality. This extension will be a hardware add-on that attaches to the internal extension connectors and must be purchased separately. Without the extension the connector is without functionality.

3 DC power connector

- Use the provided AC/DC power adapter for powering the MDMX.
- Insert the power supply plug into the connector and secure it by screwing it in for a stable connection.

4 On/ Off switch

- Push to turn the mixer on or off.

5 Send/ Return connectors

- 6.3mm (1/4-inch) TS jacks are provided for connecting external effects.
- These connectors are designed to work with the Send/Return or Aux Send Master Insert Modules. For detailed instructions, please refer to the manuals for the corresponding modules.
- Without the specialized Master Insert Modules, these connectors will not function.

6 Booth output connectors

- 6.3mm (1/4-inch) TRS jacks are provided for connecting your booth monitors.
- Volume is controlled with the Booth controller of the Master Module.
- Output can be balanced or unbalanced, depending on the Output Module used.

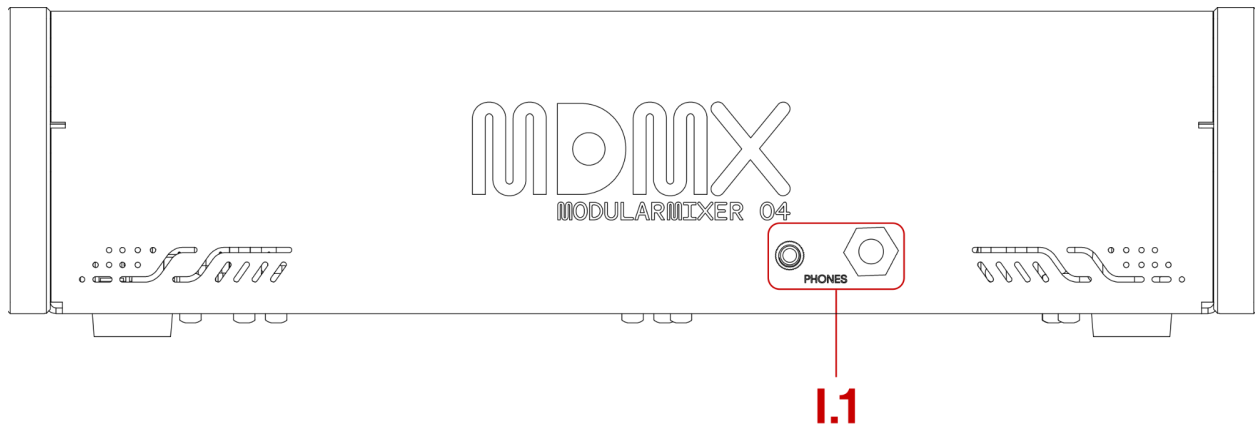
7 Master output connectors

- XLR connectors are provided for connecting your master system, such as PA systems or monitors.
- Volume is controlled using the Master controller on the Master Module.

8 Phono grounding screws

- Phono grounding screws are included to prevent hum or noise from connected turntables.
- Both screws can be used with any input and are not assigned to specific channels.

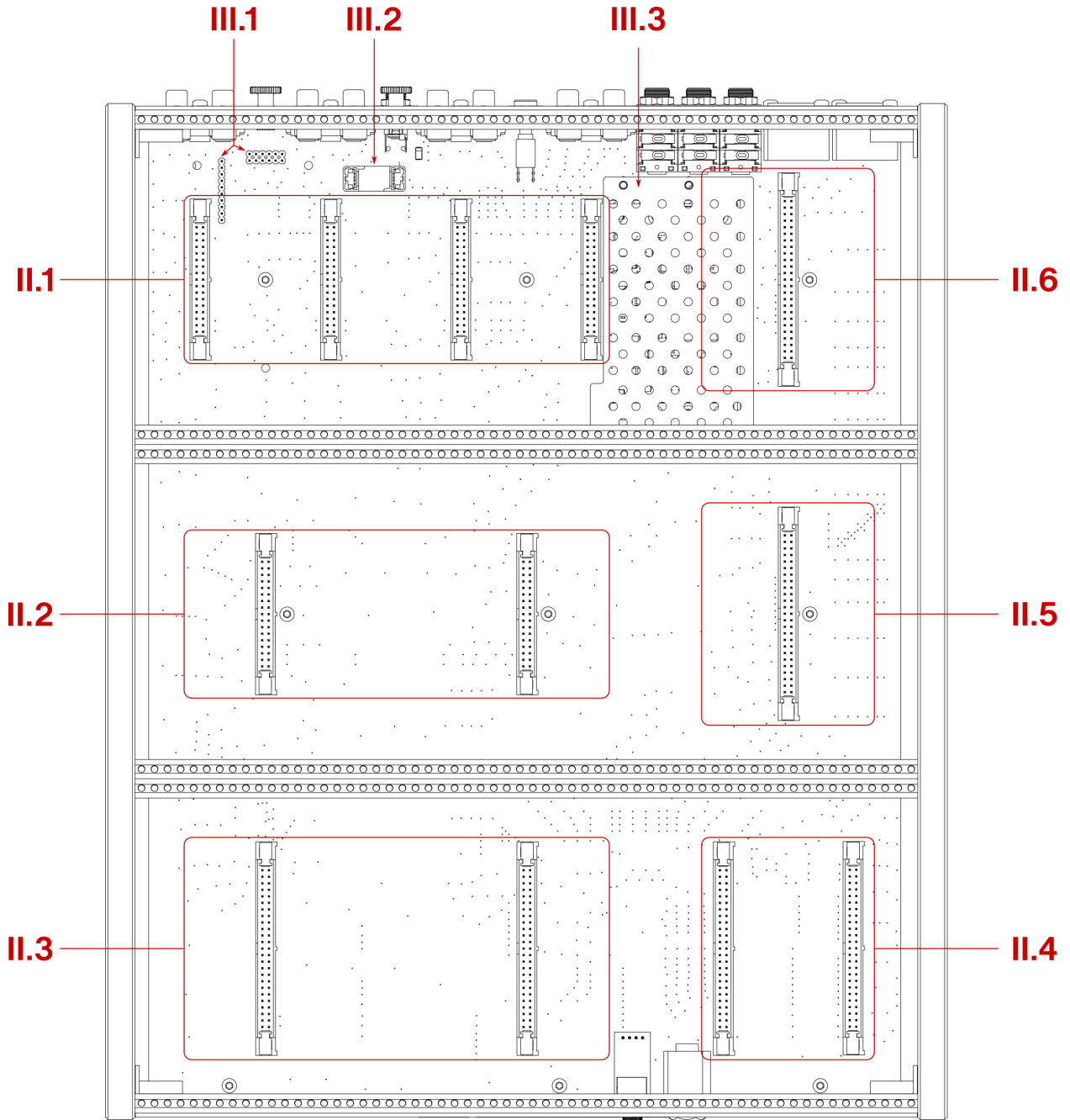
Front View



I.1 Headphone outputs

- One 6.3mm (1/4-inch) telephone jack and one 3.5mm (1/8-inch) jack are provided for connecting your headphones.
- Both jacks carry the same signal.
- Volume and signal can be adjusted on the Master Module.

Top View



II.1 Input Section Overview

- The input section is designed to receive and adjust incoming signals to the correct loudness level and format.
- The connectors on the mainboard are labeled IN1 – IN4, corresponding to the channels they serve.
- These connectors are directly linked to the RCA connectors on the back panel, which are labeled CH1 – CH4.

Module Identification:

- The appropriate modules for this section are labeled as "INPUT" on the back.

II.2 Channel Insert Section Overview

- The channel insert section processes the individual channel signals with your desired manipulations.
- The connectors on the mainboard are labeled CH INSERT 1-2 / CH INSERT 3-4, corresponding to the channels they serve.

Module Identification:

- The appropriate modules for this section are labeled as "CHANNEL INSERT" on the back.

II.3 Mixer Section Overview

- The purpose of the mixer section is to control the volume and summing of the channels as well as cueing.
- The connectors on the mainboard are labeled MIX 1-2 / MIX 3-4, corresponding to the channels they serve.

Module Identification:

- The appropriate modules for this section are labeled as "MIXER" on the back.

II.4 Master Insert Section Overview

- The master insert section serves the processing of the summed master signal.
- The connectors on the mainboard are labeled MASTER INSERT 1 / MASTER INSERT 2.
- The two Master Insert connectors are connected in series. If only one Master Insert Module is used, it doesn't matter which connector is utilized. However, be sure to insert the Master Insert Bridge adapter into the unused connector (refer to the general information on module connection for details on how to connect it).

Module Identification:

- The appropriate modules for this section are labeled as "MASTER INSERT" on the back.

II.5 Master Section Overview

- The master section controls the output volume on multiple levels. For example, your master, headphone or booth speakers.
- The connector on the mainboard is labeled MA.

Module Identification:

- The appropriate modules for this section are labeled as "MASTER" on the back.

II.6 Output Section Overview

- The purpose of the output section is to process, balance and output the final master signal.
- The connector on the mainboard is labeled OUT.
- This connector is directly linked to the XLR and the 6.3mm connectors on the back panel, which are labeled Master and Booth.

Module Identification:

- The appropriate modules for this section are labeled as "OUTPUT" on the back.

III.1 Digital Extension Connectors

These pins are directly linked to the USB-C connector and the module connectors. A future digital extension is planned to activate the USB-C connection and enable digital functionality. This extension will be a hardware add-on that attaches to the pins and must be purchased separately.

III.2 Fuse

This fuse is designed to prevent overcurrent events. Replace only with the same type and rating of fuse. If the fuse trips multiple times, please contact support. Do not bypass or bridge the fuse - this is a critical safety concern.

III.3 PSU Cover

The internal power supply unit (PSU) of the mixer is located beneath this cover. Do not disassemble, cover, or insert metal objects through the venting holes. Avoid touching the connectors on the sides of the PSU cover.

General information on module connection

- If you plan to use only two channels on the mixer, use channels 3 and 4 for proper operation. Unplug all ribbon cables of unused sections.
- If you're using only one Master Insert Module, disconnect the ribbon cable from the unused Master Insert connector and insert the Master Insert Bridge adapter. Ensure the white line on the adapter faces left, aligning with the cutout on the mainboard connector.
- Using incompatible modules in the sections may lead to unexpected audio output and excessively high volume levels.

Module Cable Connection:

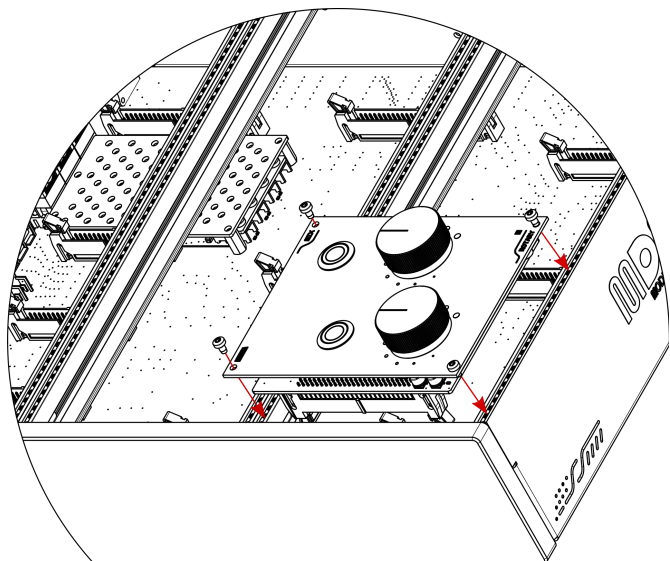
- Use the provided ribbon cables to connect the input modules to the mainboard.
- Insert the ribbon cables firmly into the connectors until they lock securely.

Disconnecting Module Cables:

- To disconnect, push the levers on the connector outward. This action will release the cable from the connector.

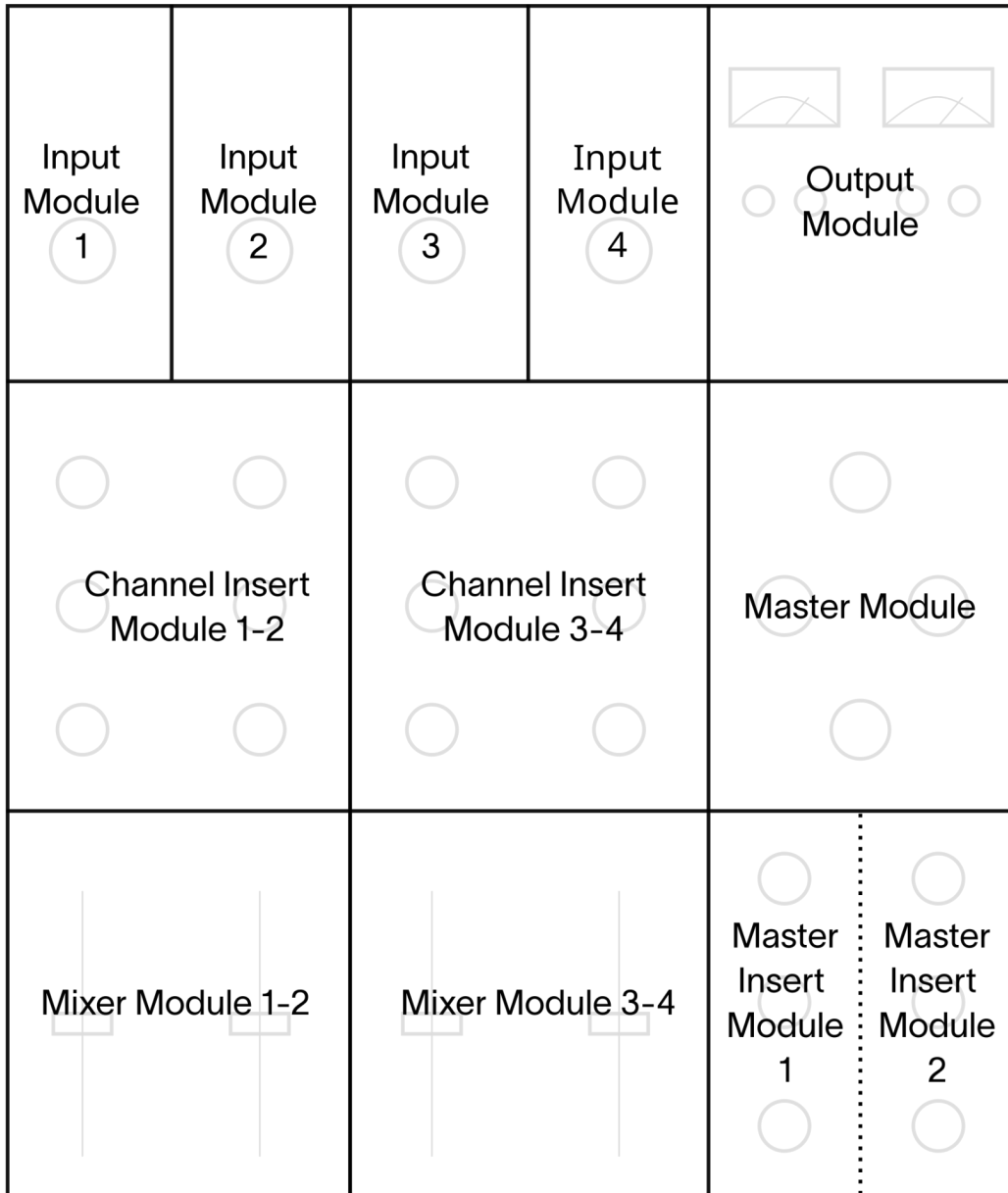
Modules mechanical connection:

- Use the provided screws and screwdriver to secure the modules to the threaded rails. Be careful not to overtighten, as this may cause damage to the modules or the case.



Module Position

Here are the sections, in which the respective modules should be inserted.



Block Diagram

