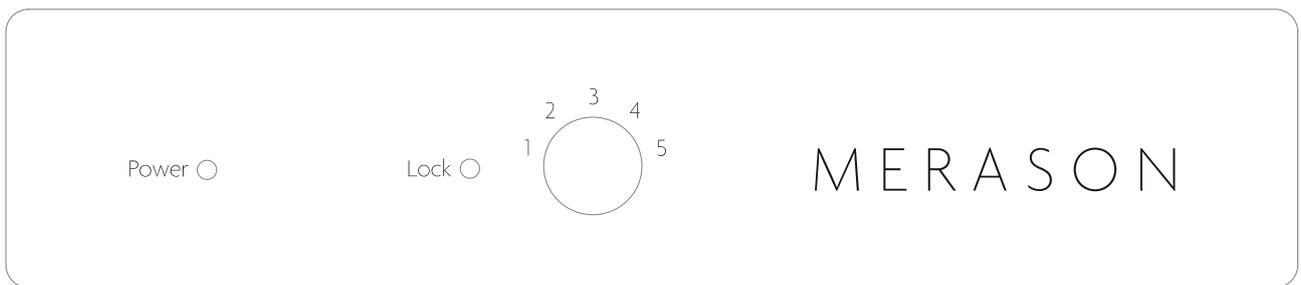


MERASON frerot



User's Manual

niedal audio lab, Switzerland

Thank you for choosing the MERASON frerot digital-analogue converter! The aim of several years of development was to meet the highest demands on sound quality to make an authentic listening experience possible. We believe, and others confirm, that we have succeeded in doing this once again with the frerot.

To ensure that you can enjoy the elegant appearance even after many years, clean the device carefully with a cotton cloth slightly moistened with soap water. Before doing so, be sure to disconnect the power supply plug of the external power supply unit. Avoid solvents such as alcohol, acetone, petrol and the like.

Now we wish you much pleasure and many enriching musical hours full of emotion!

Worb, July 2020

Notes on Safety and Installation

For your own safety, observe the following points:

Do not open the device.

Keep these instructions. If you pass on the appliance to a third party, please include these instructions.

The following minimum value must be observed to ensure adequate ventilation:
Distance to the side 5 cm each.

The unit must be placed on a hard surface to ensure a sufficient cooling.

Keep the unit away from heat sources and do not expose it to direct sunlight.

The unit is designed for operation in moderate climates.

The unit may only be operated indoors.

Do not expose the unit to moisture, dripping or splashing water.

Do not place vases, burning candles, etc. on the unit.

Use the mains adapter supplied for connection. Operation with a different AC adapter may damage the device and void the warranty.

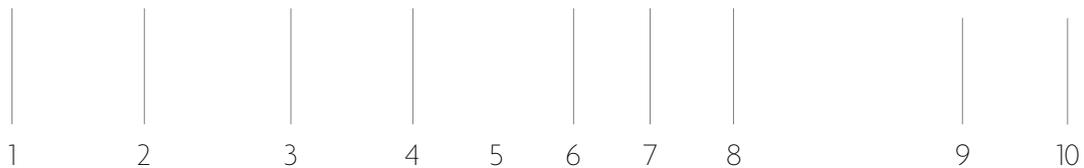
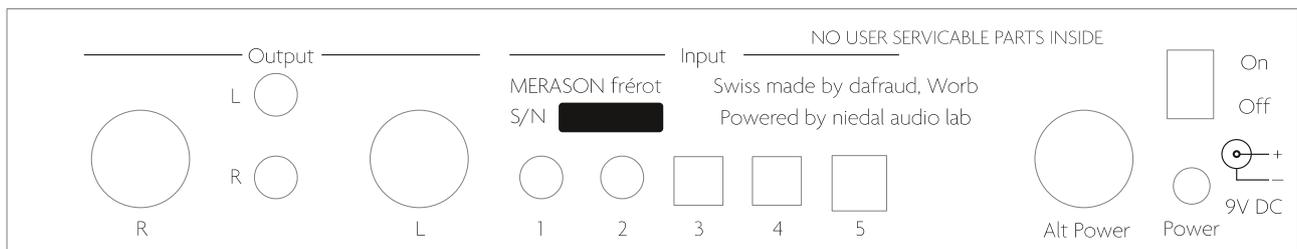
The unit is switched on and off completely by pressing the switch on the back left ("On" and "Off").

Repairs and maintenance may only be carried out by qualified personnel.

Installation

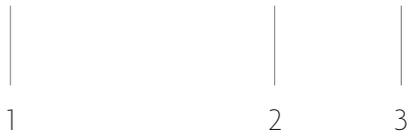
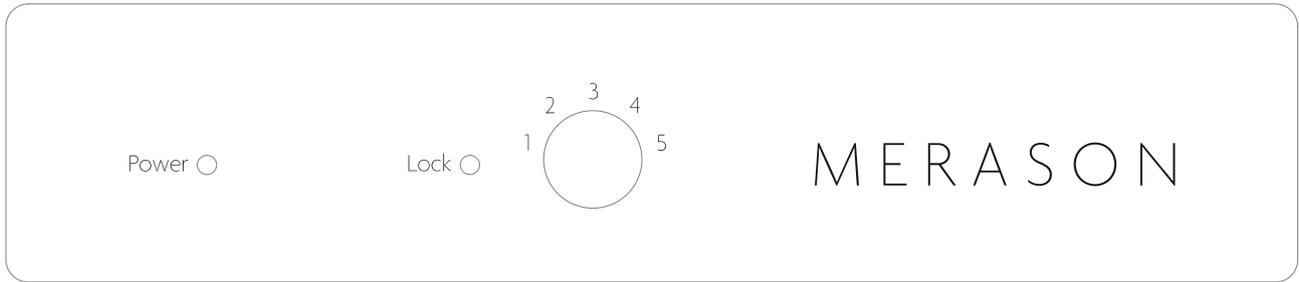
During operation, the frerot generates a certain amount of waste heat, which is why adequate ventilation must be ensured. Place the unit on a hard surface so that there is a sufficient distance between the floor and the bottom of the case. Ensure a minimum distance of 5 cm to each side.

Connectors



- 1 balanced analog output right channel,
- 2 unbalanced analog output left and right channel,
- 3 balanced analog output left channel,
- 4 RCA digital input 1 (S/PDIF),
- 5 RCA digital input 2 (S/PDIF),
- 6 optical digital input 1 (TOSLINK),
- 7 optical digital input 2 (TOSLINK),
- 8 USB input Audio Class 2.0,
- 9 alternative power supply connector (for later use),
- 10 on/off switch, and connection for external power supply.

Operating and Display Elements



- 1 Lights up when the device is in operation.
- 2 Lights up when the input signal can be processed correctly.
- 3 Rotary switch to select the desired digital input.

Specifications

Output: max. 4 V RMS (balanced), max. 2 V RMS (unbalanced).

Frequency Resp.: 20 Hz to 20 kHz +/- 0.2 dB.

THD+N: < 0.006 %.

SNR: > 120 dB.

DAC: BurrBrown 1794A, discrete I/V-stage.

Output Stage: discrete design.

Power Supply

9V DC, 12 W via enclosed external power supply unit.

Enclosed external power supply unit 100V to 240V AC / 50 to 60 Hz, 40 W.

Operation

Ambient temperature 10 °C to 30 °C, 50 °F to 86 °F.

Air humidity max. 80 %, non-condensing.

During operation the device heats up by approx. 15 K compared to the ambient temperature.

Digital Input Supported

44.1 kHz@16 bit, 44.1 kHz@24 bit.

48 kHz@16 bit, 48 kHz@24 bit.

88.2 kHz@24 bit.

96 kHz@24 bit.

176.4 kHz@24 bit.

192 kHz@24 bit.

Dimensions

Width: 22.5 cm, 8.86 In.

Height: 5 cm, 1.97 In.

Depth: 18 cm, 7.1 In.

Weight: 995 g, 2.2 lbs (DAC), 200 g, 0.44 lbs (power supply).

Konformitätserklärung

Wir,

dafraud GmbH, Bangertenstrasse 865, CH-3076 Worb,

erklären, dass das Gerät

Digitalanalogwandler (Art)
MERASON Frérot (Typ)

in Übereinstimmung mit den folgenden Richtlinien ist:

EMV-Richtlinie 2014/30/EU,

Niederspannungsrichtlinie 2014/35/EU.

Die Konformität wird durch Einhaltung folgender Normen nachgewiesen:

EN 55032,

EN 55035.

Worb, 27. Mai 2020

Ort, Datum



Daniel Frauchiger, CEO