# MONOBLOCK

**USER GUIDE** | AAVIK M-880

Rev.1.0 ENG

Aavik



## Contents


**4** ABOUT THE PRODUCT

**7** FRONT PANEL FUNCTIONS

**8** REAR PANEL FUNCTIONS

**9** MENU FUNCTIONS

**10** SPECIFICATIONS


### Safety instructions

**1.** Read and retain these instructions.

**2.** Follow all warnings and guidelines.

**3.** Clean the monoblock with a dry, lint-free cloth. For deeper cleaning, unplug it and use a damp cloth. Avoid chemical solvents or cleaners.

**4.** Do not place near heat sources like radiators, stoves, or heat-producing equipment.

**5.** Protect the power cord from damage, especially at plugs, outlets, and exit points.

**6.** Unplug during lightning storms or extended periods of non-use.

**7.** Do not modify the polarized or grounding plug.

**8.** Place the device horizontally on a stable surface.

**9.** Only qualified personnel should perform servicing.

**10.** Servicing is required if the device shows damage, such as:
Exposure to moisture or foreign objects
Liquid spills
Unusual operation, physical damage, or being dropped.

**11.** Keep liquids and objects away from the device's openings. Avoid dripping or splashing; do not place liquid-filled items (e.g., vases) on it.

**12.** Use in moderate climates and domestic settings only.

**13.** Connect only to the specified power supply. Ensure the mains plug is easily accessible for quick disconnection.

**14.** If smoke or abnormal odors occur, turn off the device, unplug it, and contact your dealer.

**WARNING:**

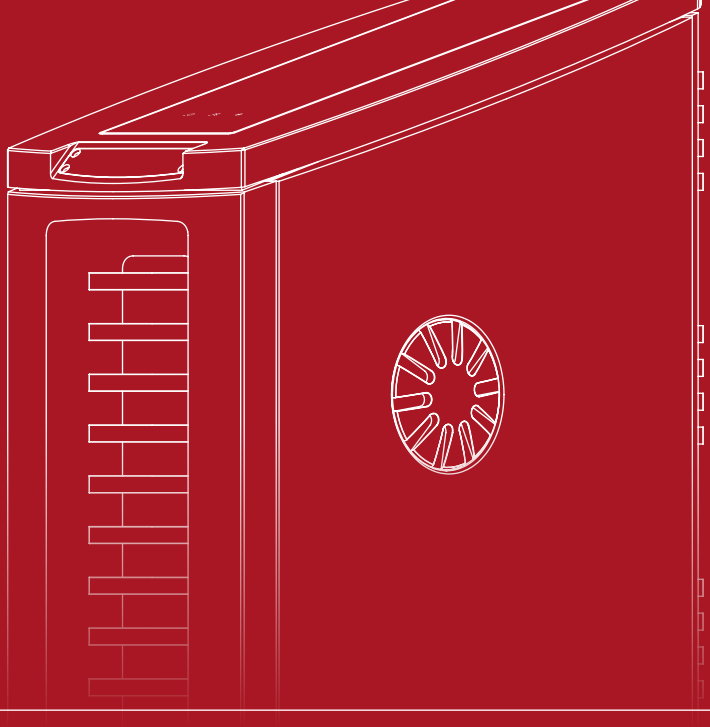
- To reduce fire or shock risk, do not expose the monoblock to rain or moisture.

- The lightning symbol in a triangle alerts users to potentially hazardous voltage inside the device.

- Do not remove the covers or back panel. There are no user-serviceable parts inside. Refer servicing to qualified personnel.





## Congratulations

The Aavik Audio engineering team thanks you for your exceptional choice of the Aavik M-880.

The M-880 represents our ultimate expression of mono power amplifier design. Created without limitations, it was developed with the singular purpose of realizing the highest ambitions of our engineering philosophy.

The Aavik M-880 is the result of the unique collaboration between engineer Michael Børresen and Flemming Erik Rasmussen. Their combined vision and expertise have shaped the M-880 into a statement of uncompromising standards.

## About the product

### A COLLABORATION OF VISION AND INNOVATION

The Aavik 880 series represents the most advanced and ambitious development in Aavik's history. In mid-2021, Flemming Erik Rasmussen, founder of Gryphon Audio, joined the Aavik design and development team, bringing more than 35 years of experience and a deep artistic perspective on high-end audio.

His arrival marked the beginning of a close and productive collaboration with Michael Børresen. Combining Børresen's innovative engineering approach with Rasmussen's artistic and aesthetic sensibility, they set out to create a new Aavik series that would establish a new reference for performance and authenticity in music reproduction.

### DESIGN WITH CLEAR INTENT

The distinctive exterior design of the Aavik 880 series reflects the artistic and aesthetic vision of Flemming Erik Rasmussen. At the core of his design philosophy lies the conviction that form must always serve a purpose.

Accordingly, the cabinet of the Aavik 880 series has been carefully engineered to preserve the integrity of the electrical design, ensuring low inductance, minimal hysteresis, and effective resonance control.



## COPPER AS A DEFINING MATERIAL

Inspired by Flemming Erik Rasmussen's appreciation of copper's visual character and Michael Børresen's deep understanding of its sonic properties, this remarkable material became a central element in the design of the M-880.

Accordingly, the enclosure of the Aavik M-880 is largely made from solid copper. This design contributes to reduced hysteresis, lower output impedance, decreased inductance, improved damping characteristics, and effective thermal management.

The distinctive cooling elements integrated into the front and sides of the enclosure also carry Flemming Erik Rasmussen's design signature, uniting functional engineering with a refined visual identity.

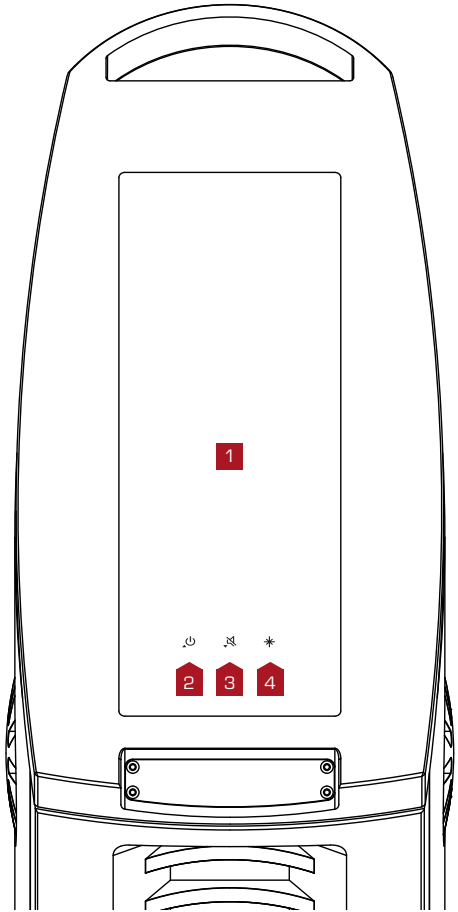
## THE BALANCE OF FORM AND PURPOSE

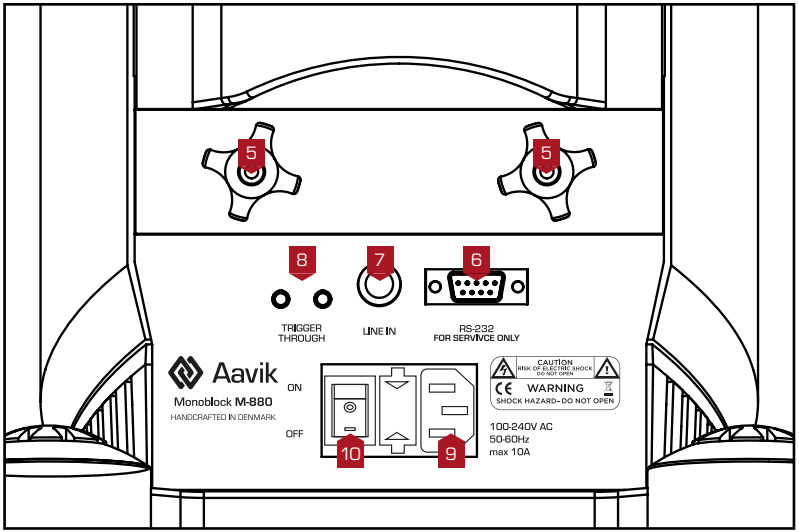
The choice of materials, together with the interior and exterior design, reflects the close collaboration between Flemming Erik Rasmussen and Michael Børresen. Guided by a shared focus on functionality and a refined sense of aesthetic balance, the Aavik M-880 unites engineering purpose with a distinctive visual identity.

The result is an amplifier where technical precision and elegant design unite in a coherent whole, as purposeful as it is elegant.



## Functions


1
2
3
4


5
5
8
7
6
TRIGGER THROUGH
LINE IN
RS-232 FOR SERVICE ONLY
Aavik
Monoblock M-880
HANDCRAFTED IN DENMARK
ON
OFF
10
9
CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN
WARNING
SHOCK HAZARD- DO NOT OPEN
100-240V AC
50-60Hz
max 10A

## Front panel functions

### 1 DISPLAY

During normal operation the left side of the display shows “Aavik”.

When changing settings (see “MENU FUNCTIONS”), the display will show the setting being changed.

In the event of an error, a line at the bottom of the display will show error messages. The possible errors are DC, over current and high temperature. The errors are explained in the following section.

### OVER CURRENT

If the amp displays "**E: Short**", followed by "**Short shutdown**", too much current is running through the output stage. This usually occurs because of a short circuit in the speaker wiring. When the error is detected, the speaker output(s) will be switched off, and you have to switch the amplifier off and back on, to re-enable normal operation. Before you switch the amp back on, make sure that there are no wiring errors. The error could be strands of wire from the speaker cable touching each other or the metalwork of the amplifier. If the error is displayed again after power cycling the amplifier, and even with speakers disconnected, the amplifier has been damaged, and will need servicing.

### DC

If the amp displays “**E: DC**”, DC is present on the output(s) of the amplifier. When this occurs, the speaker output(s) are disabled to protect the speakers. If music is playing, the sound will be distorted and low in level. The DC could come from the preamp or a signal source. Try switching the amplifier off and back on. If the DC error is still present, try switching the amplifier off, disconnect the input cable(s), and switch the amp back on. If the DC error persists, with input cables disconnected, the error is in the power amplifier. Otherwise the error is in the preamplifier or the signal source.

### HIGH TEMPERATURE

If the amp displays “**E: Temp**”, the temperature inside the amplifier is reaching critical levels. This can occur if the ambient temperature is too high and/or the amplifier has been delivering large amounts of power into low impedance speakers. When the error is first shown, it is only a warning. If the temperature drops again, the message will clear. If the temperature continues to rise however, the amplifier will switch off. In that case, you have to let the amplifier cool off for some time, and then switch it off and on using the main power switch on the back panel.

### 2 STANDBY

Press the standby button to switch the amplifier on from standby mode, or back to standby mode. When in standby mode, the front panel’s lower left corner will show a single dim LED dot. Upon switching it on from the standby mode, the amplifier will have its outputs muted, while a red dot line illuminated on its display will progress while the amplifier is initializing.

When trigger cables are used between a preamp or integrated amp and other units, these other devices will be switched on and off together with the controlling amplifier.

When the amplifier is in menu mode, the standby button on the front panel is used as an up arrow.

### 3 MUTE

When pressed briefly, the mute button will mute the amplifier’s speaker outputs. The display will show ”Mute”. Press the button again, to switch off muting.

When the amplifier is in menu mode, the mute button on the front panel is used as a down arrow.

### 4 MENU BUTTON

Press and hold the menu button for 3 seconds to enter the menu. You can change setting using the standby and menu buttons, and then press the menu button to step to the next setting. For for information, see the "Menu Functions" section.

## Rear panel functions

### 5 SPEAKER TERMINALS
The amplifier accepts speaker cables terminated with spade connectors and 4mm banana plugs.

To connect speaker wires terminated with spades, loosen the isolation knob and insert the spade between the isolator and terminal. Tighten the isolation knob to secure the spade.

To connect speaker wires terminated with banana plugs, insert the banana plug into the center hole of the terminal.

### 6 RS-232, FIRMWARE UPDATE
The RS-232 connector is used for software updates. You can check for firmware updates on the Aavik Acoustics homepage.

### 7 INPUTS
The amplifier is equipped with a single-ended RCA input.

The gain of the amplifier can be changed to equalize the volume of different amps, when used in a bi-amping or home theatre setup. The range is between 25 and 34dB. The default gain is 31dB. Please see “MENU FUNCTIONS” for guidance.

### 8 TRIGGER IN- AND OUTPUTS
The amplifier is equipped with two DC trigger connectors. Connect one to a preamp or integrated amp, to switch the power amp on/off with the preamp/integrated. The other connection can be used to pass the trigger signal to another part of the system. The trigger input needs 5 to 24V DC.

### 9 POWER INLET (CAUTION!)
The amplifier accepts mains voltages from 100 to 240VAC 50-60Hz.

The power inlet accepts power cables with an IEC 60320-C13 female connector.

To ensure the best performance, please consult your Aavik Acoustics dealer for a suitable mains cable.

### 10 POWER ON/OFF SWITCH
Toggle the switch to switch between fully off and standby mode. When the amplifier is in standby mode, the power consumption is less than 1W. When the amplifier is on and idling, the power consumption is less than 150W.

## Menu Functions

Note: Settings are stored when your Aavik device is switched to standby mode. If you have changed any settings, please switch to standby mode prior to removing power. You can change settings of the amplifier by using the front panel.

Using the front panel, press and hold the MENU BUTTON 4 button for 3 seconds.

When entering the menu, the gain information will be shown.

Using the front panel, press the MENU button 4 to cycle through the options.

Use the front panel buttons (2/ 3) to change the settings.

In the menu you can cycle through all options in the order listed below.

Using the front panel, the amplifier will return to normal operation once cycled through all the options.

| FUNCTION | DISPLAY SHOWS |
|---|---|
| **GAIN**<br>Using this function you can set the gain of the amplifier. | Gain<br>30dB |
| **DISPLAY BRIGHTNESS**<br>You can change the display brightness in four steps: 10, 40, 70 and 100%. | Display<br>Bright.<br>40% |
| **DISPLAY DIM**<br>Using this setting, you can set the display to switch off automatically after 1-5 seconds. The standard setting is off. When the display is off, only the logo and touch buttons will be dimly lit. | Display<br>Dim<br>Off |
| **TEMPERATURE**<br>This menu option shows the current operating temperature of the power amp. | Temp.<br>36°C |
| **SOFTWARE VERSION**<br>This menu option shows the current software version of the monoblock. | Softw.<br>Version<br>0.0.7 |

## Specifications

| | AAVIK M-880 |
|---|---|
| **Dimensions (H x W x D)** | Height: 794.02 mm \| Width: 342.00 mm \| Depth: 509.68 mm / Height: 31.26 in \| Width: 13.46 in \| Depth: 20.07 in |
| **Weight** | 70.0 kg / 154.3 lbs |
| **Output power** | 1 × 400 W @ 8 Ohm \| 1 × 800 W @ 4 Ohm |
| **Distortion (THD)** | < 0.007% (10 W, 1 kHz, 8 Ohm) |
| **Aavik noise reduction** | Active Gold Tesla Coils: 112<br>Active Square Tesla Coils: 112<br>Dither Circuitry: 8<br>Gold Anti-Aerial Resonance Coils: 14 |
| **Power Consumption** | Standby: <1W<br>Idle: 150W |



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## Support & Contact

For any questions, technical guidance, or assistance with setup and system optimization, our support team is available to help you achieve the full potential of your system.

**Mail:** info@audiogroupdenmark.com

**audiogroupdenmark.com**