

AAVIK P-880

USER GUIDE | POWER AMPLIFIER



THE EQUIPMENT SHOULD BE SERVICED BY QUALIFIED SERVICE PERSONNEL

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.

5. Clean the device only with a dry, lint-free cloth. For more thorough cleaning, unplug the device from the mains supply and go over it lightly with a damp cloth.

Do not use any type of chemical solvents or other cleaning products for cleaning.

6. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
7. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

8. Unplug this apparatus during lightning storms or when unused for long periods of time.

9. Do not defeat the safety purpose of the polarized or grounding-type plug.

10. Only place apparatus horizontally and on a suitable table or rack. If more components are stacked. Make sure to place the hottest unit – usually the amplifier, at the top.

11. Refer all servicing to qualified service personnel.

12. Servicing is required when the apparatus has been damaged in any way, such as when the power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

1. **WARNING:** Take care that objects do not fall and liquids are not spilled into the enclosure through any openings.

The equipment shall not be exposed to dripping or splashing. Liquid-filled objects such as vases should not be placed on the equipment.

2. The equipment has been designed for use in moderate climates and in domestic situations.

3. Only connect the equipment to a power supply of the type described in the operating instructions or as marked on the equipment. The primary method of isolating the equipment from the mains supply is to remove the mains plug. The equipment must be installed in a manner that makes disconnection possible.

4. If an abnormal smell or smoke is detected from the equipment, turn the power off immediately and unplug the equipment from the wall outlet. Contact your dealer and do not reconnect the equipment.

CAUTION

WARNING: To reduce the risk of fire or electric shock, do not expose the device to rain or moisture.

The lightning flash with an arrowhead symbol within an equilateral triangle, is intended to alert the user to the presence of uninsulated 'dangerous voltage' within the

product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION: To reduce the risk of electric shock, do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.

HEAVY PRODUCT: Please note that this product exceeds recommended load for lifting and handling. Place on a surface that supports the weight.

Max ambient operating temperature: 40° Celsius

CE



CONGRATULATIONS

The Aavik audio engineering team are thankful for your unique choice of the Aavik P-880 Power Amplifier. We are convinced that you will enjoy the exquisite music experience just as intimate and close as it was originally performed by the artist themselves.

The 880 series is Aavik's most innovative and sophisticated amplifier production to date. The result is this powerful non-switching pure Class A amplifier up to impressive 2x250 W into 8 Ohms.

The unique design is based on the unique collaboration by the engineer and the artist - Michael Børresen and Flemming Erik Rasmussen.

A handwritten signature in black ink, consisting of two distinct parts. The first part is a stylized, cursive signature that appears to be 'Michael Børresen'. The second part is a long, sweeping horizontal line that extends to the right, likely representing the signature of 'Flemming Erik Rasmussen'.

CONTENTS

4	ABOUT THE PRODUCT	11	SPECIFICATIONS
7	FRONT PANEL FUNCTIONS	11	FACTORY RESET
8	REAR PANEL FUNCTIONS		
10	MENU FUNCTIONS		

ABOUT THE PRODUCT

Unparalleled Innovation and Sophistication

The Aavik 880 series stands as Aavik's most innovative and sophisticated production to date. In mid-2021, Flemming Erik Rasmussen, the esteemed founder of Gryphon Audio, joined our design and development team, bringing over 35 years of experience and a profound artistic passion for hi-fi equipment. His arrival marked the beginning of a dynamic and productive collaboration, merging Michael Børresen's innovative approach with Flemming Erik Rasmussen's artistic and aesthetic design touch. Together, they embarked on a mission to create a new, groundbreaking Aavik series that would elevate the realm of musical authenticity to unprecedented heights.

A Harmonious Fusion of Artistry and Purpose

The exquisite exterior design of the Aavik 880 series reflects Flemming Erik Rasmussen's artistic and aesthetic work. However, at the core of his design philosophy has always been the belief that design must serve a purpose. The cabinet of the Aavik 880 series was meticulously crafted to preserve the finest audio characteristics of the electrical design, ensuring the lowest inductance, minimal hysteresis, and exceptional resonance control.



The Sonic Symphony of Copper

Inspired by Flemming Erik Rasmussen's fascination with copper's visual allure and Michael Børresen's profound insight into its sonic properties, this remarkable material became a cornerstone of the design. Thus, the Avik 880 series features a solid copper enclosure, resulting in a further reduction in hysteresis, lower output impedance, decreased inductance, a positive impact on the damping factor, and enhanced amplifier cooling. These meticulously chosen components work in harmony, enabling the music to be reproduced with heightened energy and power. Furthermore, the amplifier proudly displays Flemming's design signature through cooling elements elegantly integrated on the sides and top.

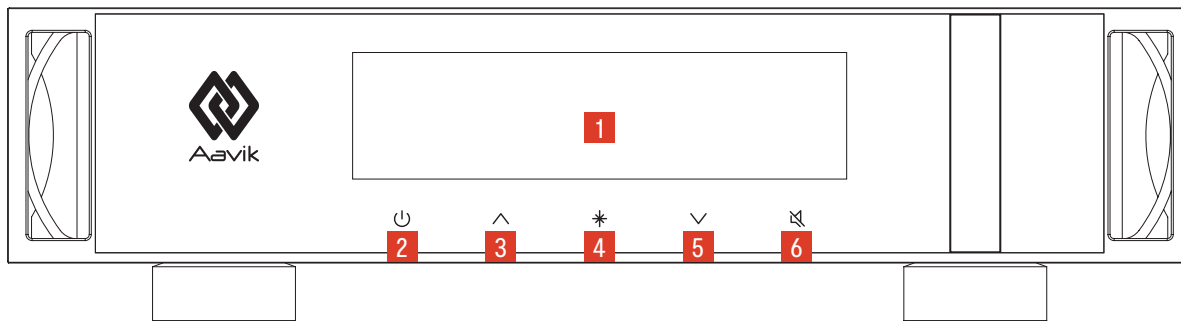
The Perfect Fusion of Functionality and Aesthetics

The choice of materials, as well as the interior and exterior design, are a testament to the fruitful collaboration between Flemming and Michael. Characterized by their unwavering focus on functionality and their innate sense of aesthetic elegance, the Avik 880 series embodies the harmonious balance of form and purpose. Get ready to immerse yourself in an extraordinary audio experience, where cutting-edge innovation seamlessly intertwines with captivating elegance.

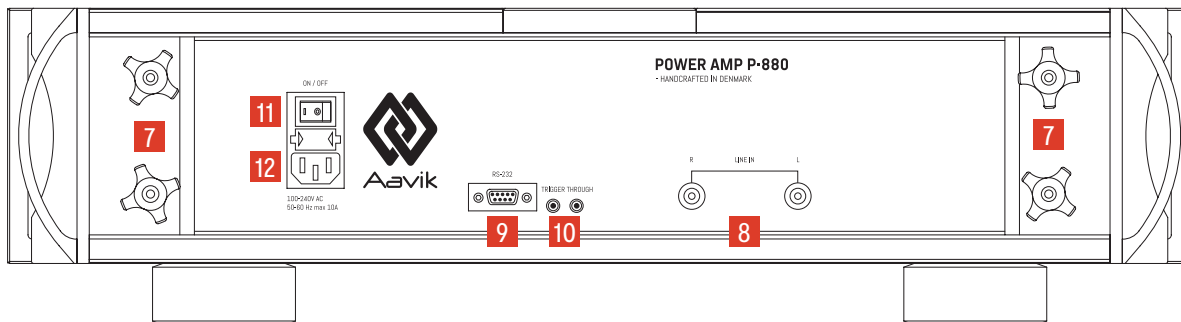


FUNCTIONS

BUTTONS ON THE FRONT OF THE AMPLIFIER



CONNECTORS ON THE BACK OF THE AMPLIFIER



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 "Error: Short Right" or "Error: Short Left", 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 "Error: DC Right" or "Error: DC Left", 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 "Error: Temp High", 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 place the amplifier in standby mode, or to switch on the amplifier from standby mode. When the amplifier is in standby mode, the only light showing on the amplifier will be a dim LED illuminating the standby button. When you switch on the amplifier, the outputs will be muted, and a line will illuminate at the bottom of the displays, starting in the lower left corner.

During the start-up cycle, the circuits of the amp will stabilize. When using trigger cables between the pre- and power amp(s), the power amp(s) will be switched on and off together with the preamp.

3 UP BUTTON

The up button is used for changing menu options, when in the menu. See "MENU FUNCTIONS".

4 MENU BUTTON

The menu button is used for accessing the menu. See "MENU FUNCTIONS".

5 DOWN BUTTON

The down button is used for switching inputs, and for changing menu options, when in the menu. See "MENU FUNCTIONS".

6 MUTE

When you press the mute button briefly, it will mute the speaker outputs of the amplifier. The display will show "Mute" instead of "Aavik".

REAR PANEL FUNCTIONS

7 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.

8 INPUTS

The amplifier is equipped with a single set of single-ended, RCA inputs.

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

9 RS-232, FIRMWARE UPDATE

The amplifier RS-232 terminal is used for firmware updates. You can check for firmware updates on the Aavik Acoustics homepage.

10 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.

11 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.

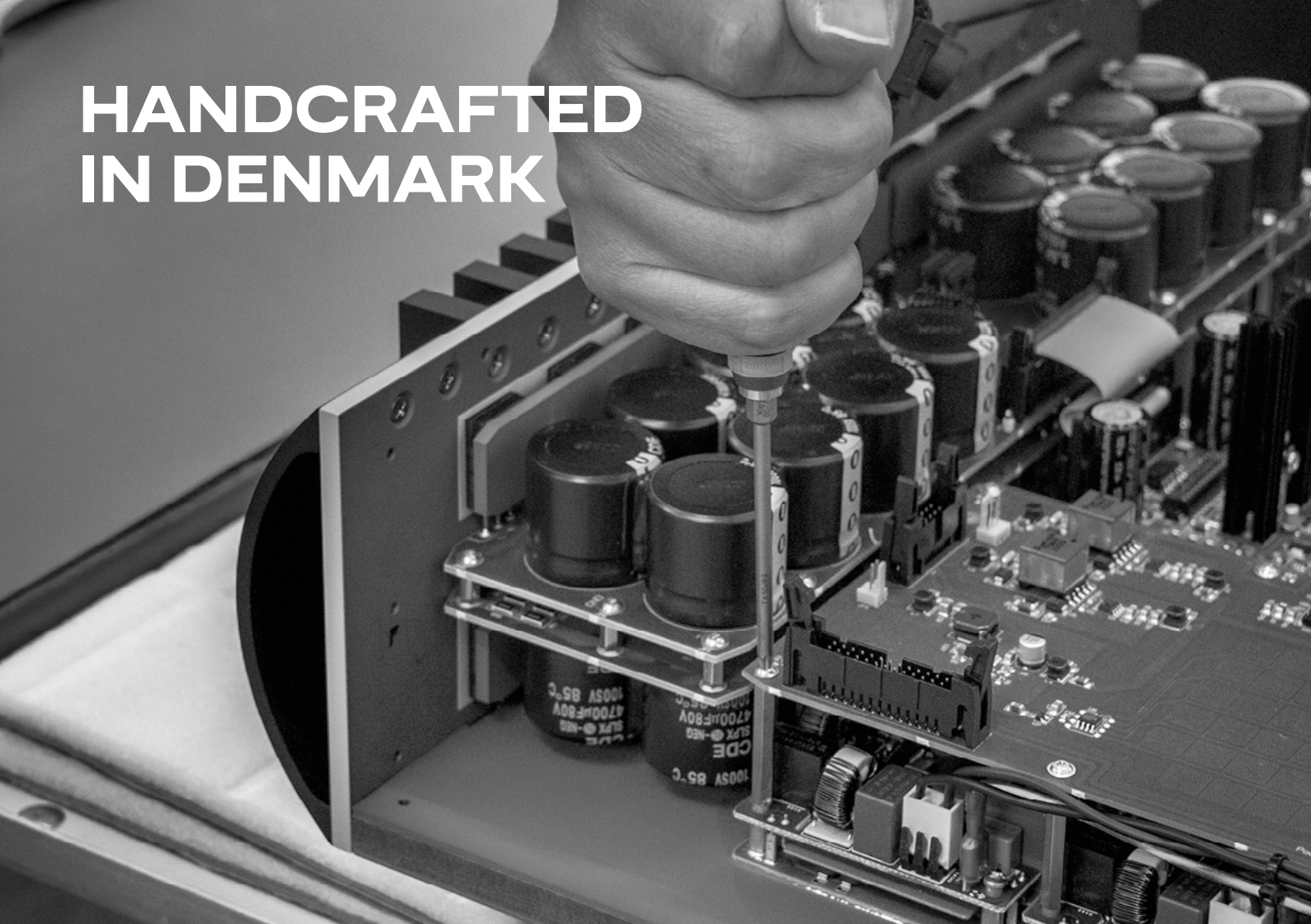
12 POWER INLET (CAUTION!)

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.

**HANDCRAFTED
IN DENMARK**



MENU FUNCTIONS

Using the front panel, you can change settings of the amplifier.

Press and hold the menu button 4 for 3 seconds to enter the menu.

When entering the menu, the gain setting will be shown on the display. The top line of the display shows the current option ("Gain" when entering the menu), and the bottom line shows the current setting.

Press the menu button 4 to cycle through the options.

Use the up and down front panel buttons (3/5) to change the settings.

The amplifier will return to normal operation once you have cycled through all the menu options.

Note: In order to save your settings, set the amplifier in standby mode by pressing the stand by button (E / Z).

SETTINGS

DISPLAY SHOWS

GAIN

Using this function you can set the gain of the amplifier.



Gain
32dB

DISPLAY BRIGHTNESS

You can change the display brightness in four steps: 10, 40, 70 and 100%.



Display brightness
100%

DISPLAY DIM

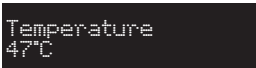
Using this setting, you can set the display to switch off automatically after 1-5 seconds. The standard setting is off. When the display is off, only the logo and touch buttons will be dimly lit.



Display dim
Off

TEMPERATURE


This menu option shows the current operating temperature of the power amp.



Temperature
47°C

SOFTWARE VERSION

This menu option shows the current firmware version of the amplifier.



Software version
1.0.0

SPECIFICATIONS

LINE:	Gain: 25–34dB Input impedance: 6kohm
OUTPUT:	2 x 250W 8 ohm, 2 x 500W 4 ohm Distortion (THD): <0.007% (10W, 1 kHz, 8 ohm)
AAVIK NOISE REDUCTION:	Active Tesla Coils: 182 Active Square Tesla Coils: 411 Dither circuitry: 18 Anti Aerial Resonance Coils: 4
POWER CONSUMPTION:	Standby: <1W Idle: <150W
DIMENSIONS:	580,0 x 510,0 x 155,0 mm / 22,8 x 20,1 x 6,1 inches
WEIGHT:	40kg / 88,1 lbs
MAINS VOLTAGE AND CURRENT:	100–240V AC – 50–60 Hz max 10A
ENCLOSURE CLASSIFICATION:	IP10

FACTORY RESET

You can reset all settings back to factory defaults. This will erase gain settings, the balance setting and the remote pairing settings. To do this, proceed as follows:

- Switch on the amplifier using the standby button **2** or the remote control.

- Press and hold the up and down front panel buttons **3** and **5** simultaneously.

The display will show “Restoring default settings ...” and then “Shutting down”. The amp will switch off, and you can turn it back on using the front panel button **2**. The remote control will not work until it has been paired.



We would love to hear about your experience with this product.
Don't hesitate to contact us with feedback or questions.

info@audiogrupdenmark.com

AUDIOGRUPDENMARK.COM

