

# POWER AMPLIFIER

USER GUIDE | AAVIK P-188 / P-288 / P-588

Rev.1.0 ENG



 Aavik

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## SAFETY INSTRUCTIONS

1. Read and retain these instructions.
  2. Follow all warnings and guidelines.
  3. Clean the amplifier 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. If stacking, keep the hottest component (e.g., an amplifier) on top.
  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 amplifier to rain or moisture.
  - The lightning symbol in a triangle alerts users to potentially hazardous voltage inside the device.
  - Do not remove the cover or back panel. There are no user-serviceable parts inside. Refer servicing to qualified personnel.

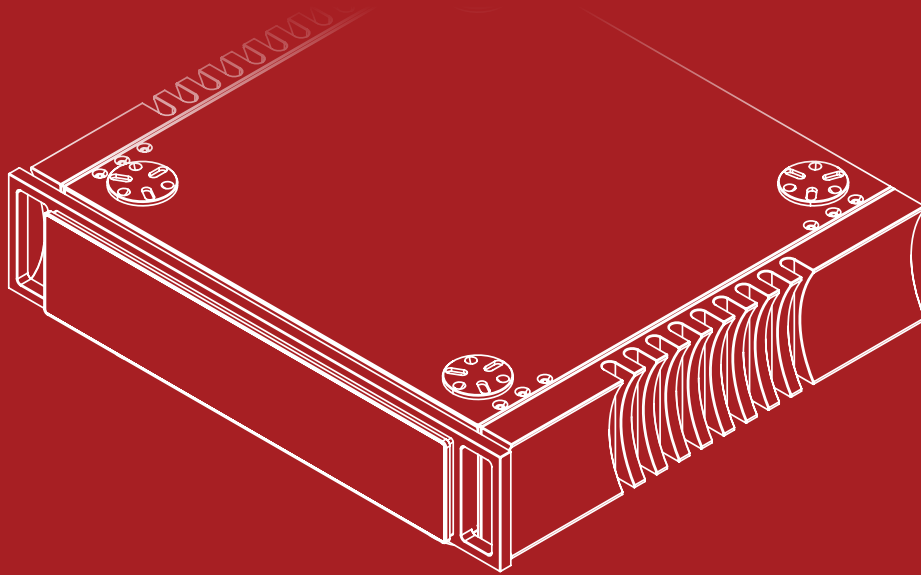
### CAUTION:

Max. ambient temperature: 40°C

The power cord must comply with local safety regulations.

The device must be connected to a grounded outlet.





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## CONGRATULATIONS

Congratulations on your selection of the Aavik P-x88 product! We are thrilled that you have chosen Aavik as your new piece of electronic, handcrafted in Denmark, ready to lift your performance.

The Aavik P is the ultimate power amplifier. Aavik is committed to deal with your noise and unwanted resonances.

Prepare to be blown away from your music once again and get closer to artist more than ever before.

## ABOUT THE PRODUCT

### External excellence

Inspired by Aavik P-880 power amplifier, the Aavik P-x88 range blends the very best mechanical features of this flagship design into one state-of-the-art enclosure, crafted meticulously to preserve the finest audio characteristics of the electrical design inside it. As aesthetically remarkable and sophisticated as it is, each its component serves a precisely defined purpose, ensuring the lowest inductance, non-existent hysteresis and exceptional resonance control.

### The exceptional design born in two exceptional minds

The esteemed founder of Gryphon Audio - Flemming Erik Rasmussen - joined our design and development team in mid 2021, bringing over 35 years of experience and profound artistic passion for hi-fi equipment. Flemming's arrival marked the beginning of a dynamic and productive collaboration, merging his artistic and aesthetic design touch with Michael Børresen's innovative approach. The result speaks for itself.

### The heart that beats like no other

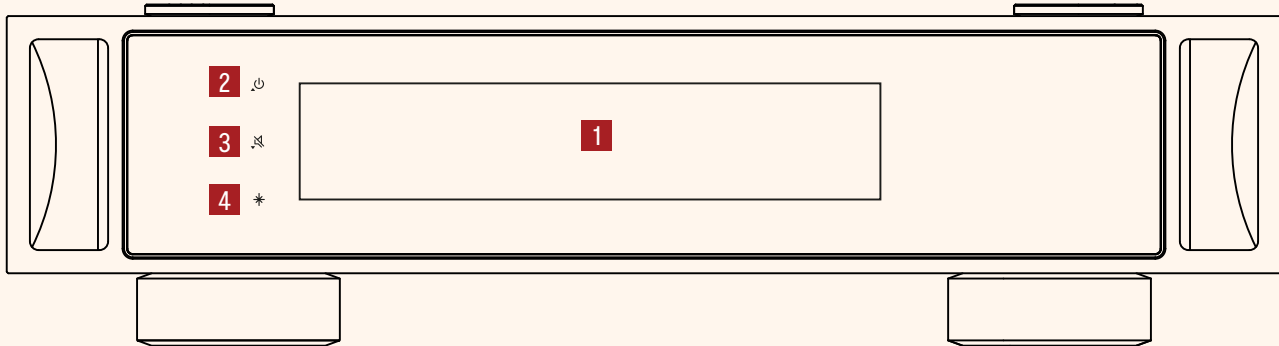
Aavik P-x88-series power amplifiers are based on the latest version of Pascal class D amplifier technology, which features even faster UMAC switching modulation and generates less noise than its already very good previous version. This circuit now requires less filtering and has lower output impedance, which ensures greater control over connected speakers than before, and significantly higher sound quality of the entire design.

### Futureproofed all the way and beyond

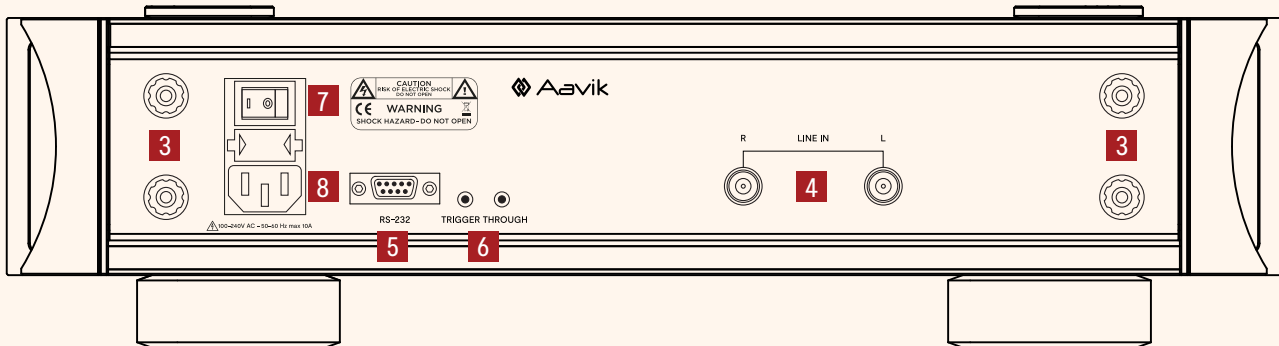
Although Aavik P-x88-series power amplifiers have been designed to work in every audio system, they can do so much more when connected to the crossover network inside Aavik I-x88 amplifiers. Then this integrated platform with its own in-built power stage can work with speakers, while any P-x88 model blended with it can power only woofers in speakers in use or a standalone sub, to effectively raise their sound quality beyond the original level. Here at Aavik, we consider this system building method as far better performance wise than any other, while P-x88 designs are its very backbone.



## BUTTONS ON THE FRONT OF THE AMPLIFIER



## CONNECTORS ON THE BACK OF THE AMPLIFIER



# FRONT PANEL FUNCTIONS

## 1 DISPLAY

During normal operation the display shows "Aavik". When changing settings (see "Menu Functions"), the display will show the setting being changed.

## 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.

## BACK PANEL FUNCTIONS

### 3 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.

**Warning:** None of the speaker terminals are ground terminals. Do not connect any of the terminals to ground or to another terminal directly.

### 4 LINE INPUT

The amplifier is equipped with one single-ended, RCA line inputs.

### 5 RS-232, SOFTWARE UPDATE

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

### 6 TRIGGER CONNECTIONS

The amplifier is equipped with two DC trigger connections. These can be used to switch the amplifier on and off, controlled by a preamp or integrated amp. The second connector can be used to daisy chain another piece of equipment.

### 7 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 30W.

### 8 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.

# 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.

SETTINGS	DISPLAY SHOWS
<b>GAIN</b> Using this function, you can set the gain of the amplifier. The default setting is 34dB.	Gain 34dB
<b>DISPLAY BRIGHTNESS</b> In this submenu, you can set the display brightness to 10, 40, 70 or 100%.	Display brightness 100%
<b>DISPLAY DIM</b> In this submenu, you can set the display to switch off automatically after 1-5 seconds. The standard display dim setting is "off". The display set in this mode shows a single red LED dot in its lower right corner.	Display dim Off
<b>TEMPERATURE</b> In this submenu, the current operating temperature of the amplifier is displayed.	Temperature 21°C 70°F
<b>SOFTWARE VERSION</b> In this submenu, you can check the current software version installed on this device. If necessary, the software can be updated via the RS-232 connector on the rear panel.	Software version 1.0.0

# SPECIFICATIONS

	AAVIK P-188	AAVIK P-288	AAVIK P-588
<b>LINE INPUT</b>	2.7V RMS input for full power at minimum gain.	2.7V RMS input for full power at minimum gain.	2.7V RMS input for full power at minimum gain.
<b>INPUT IMPEDANCE</b>	11kohm	11kohm	11kohm
<b>SPEAKER OUTPUT</b>	2 x 300W 8 ohm 2 x 600W 4 ohm	2 x 300W 8 ohm 2 x 600W 4 ohm	2 x 300W 8 ohm 2 x 600W 4 ohm
<b>DISTORTION (THD+N)</b>	<0,0028% (1W, 1kHz,8 ohm)	<0,0028% (1W, 1kHz,8 ohm)	<0,0028% (1W, 1kHz,8 ohm)
<b>IMD</b>	<0,0008% (10W, 8ohm)	<0,0008% (10W, 8ohm)	<0,0008% (10W, 8ohm)
<b>TIM</b>	<0,002% (10W, 8ohm)	<0,002% (10W, 8ohm)	<0,002% (10W, 8ohm)

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<b>AAVIK NOISE REDUCTION</b>	Active Tesla Coils: 36 Active Square Tesla Coils: 115 Dither circuitry: 4 Gold Anti-Arial Resonance Coils (Gold AARC): 4	Active Tesla Coils: 72 Active Square Tesla Coils: 187 Dither circuitry: 7 Gold Anti-Arial Resonance Coils (Gold AARC): 5	Active Tesla Coils: 108 Active Square Tesla Coils: 259 Dither circuitry: 10 Gold Anti-Arial Resonance Coils (Gold AARC): 7
<b>POWER CONSUMPTION</b>	Standby: <1W Idle: <30W	Standby: <1W Idle: <30W	Standby: <1W Idle: <30W
<b>INPUT VOLTAGE</b>	100-240V AC	100-240V AC	100-240V AC
<b>MAX CURRENT</b>	10 A	10 A	10 A
<b>ENCLOSURE IP RATING</b>	IP20	IP20	IP20
<b>DIMENSIONS</b>	(H x W x D) 117,8 x 440 x 393,5 mm	(H x W x D) 117,8 x 440 x 393,5 mm	(H x W x D) 117,8 x 440 x 393,5 mm
<b>WEIGHT</b>	20,85 kg / 45.96 lbs	20,85 kg / 45.96 lbs	20,85 kg / 45.96 lbs







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

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