INTEGRATED AMPLIFIER

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

Rev.1.1 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:

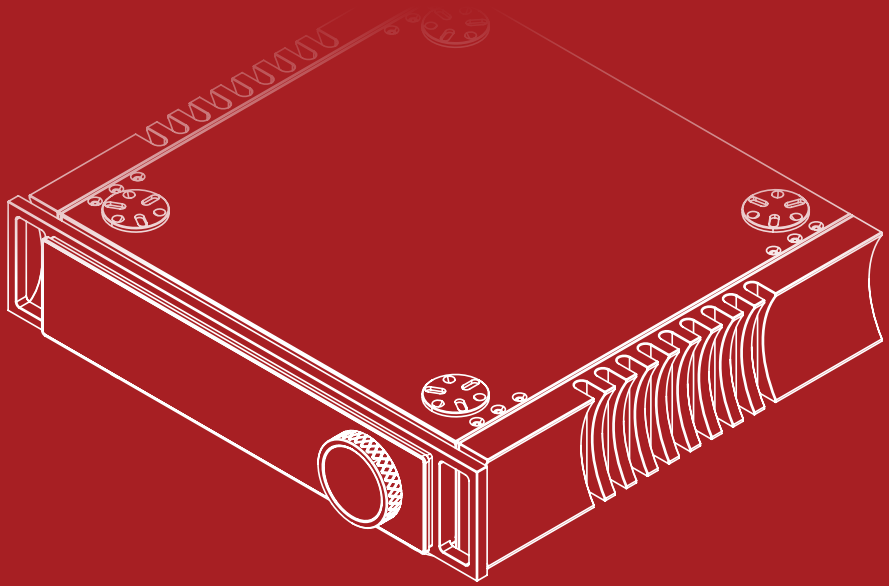
Max. ambient temperature: 40°C

The power cord must comply with local safety regulations.

The device must be connected to a grounded outlet.







CONGRATULATIONS

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

The Aavik I is the ultimate integrated 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 I-880 flagship, the Aavik I-x88 range fuses their very best features 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.

Analog integration at its finest

Integrated amplifiers from the Aavik I-x88 range were designed to blend the two most important analog utilities into one. A line stage and power amplifier combined within the same masterfully executed enclosure allow for the shortest possible connections between them, which greatly contributes to raising the sound quality of the entire design. The effect takes the form of a visually modern and elegant device that has everything your speakers may need to sound at their best.

Unbeatable versatility

Aavik I-x88-series designs can be used in many different ways. Their dedicated preamplifier outputs allow for connecting standalone power amplifiers to them, while our fully analog crossover matrix with adjustable lo- and hi-pass filters is very useful in precisely incorporating i.e. a subwoofer into your audio system, or upgrading sound quality of your speakers by dividing signal sent to them.

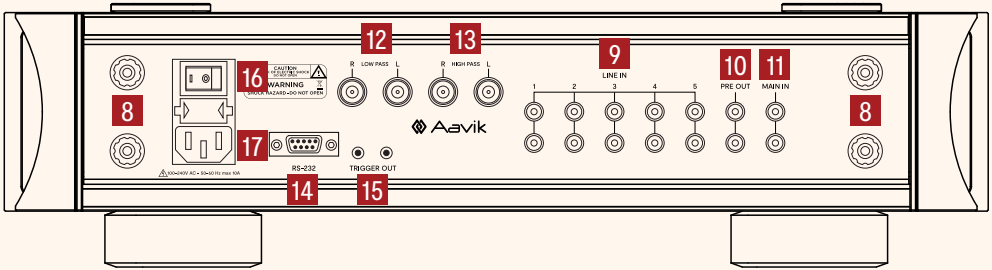


Buttons on the front of the amplifier



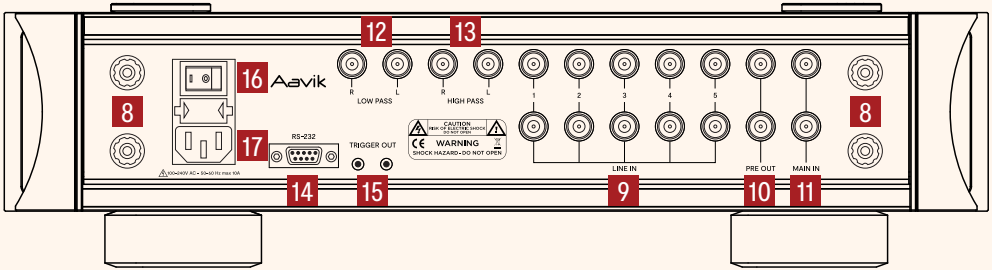
Connectors on the back of the amplifier

Aavik I–188 / I–288



Connectors on the back of the amplifier

Aavik I–588



FRONT PANEL FUNCTIONS

1 DISPLAY

During normal operation the left side of the display shows the selected source, and the right side shows the volume setting. When changing settings, 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 initialising.

When trigger cables are used between the amplifier and other units, these devices will be switched on and off together with the amplifier.

When the amplifier is in input selection mode or 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" instead of the volume setting. 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 INPUT SELECT/ MENU BUTTON

The input select button lets you select the desired source. Pressing the button briefly will activate input selection. The display will flash, while still showing the selected input. Turning the volume control knob, either clockwise or counter-clockwise, or pressing the stand-by/mute buttons lets you select the desired source. Press the input select button again to deactivate input selection mode.

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

7 VOLUME CONTROL (ROTATING KNOB)

Use the rotating knob to change the volume or menu settings.

REAR PANEL FUNCTIONS

8 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.

9 LINE INPUTS

INPUTS The amplifier is equipped with five single-ended, RCA line inputs. The gain of the line inputs can be changed to equalize the volume of different signal sources. The range is between 5 and 15dB for input 1-4, and between 1 and 11 dB for input 5. The default gain for all inputs is 9dB. Please see “MENU FUNCTIONS” for guidance.

10 PRE OUT

The amplifier is equipped with a set of pre out (pre-amplifier output) connections. They can be used for an active sub-woofer, a separate power amplifier or a headphone amplifier. For some uses, such as in combination with an headphone amplifier, you may need to mute the speaker outputs, but not the pre outs. This can be achieved by changing the “Pre Out Mute” setting. See “MENU FUNCTIONS” for guidance.

11 MAIN IN

Through a menu option, you can separate the pre- and power amplifier sections of the I-x88. When this option is enabled, the “Main In” inputs are used as the inputs of the power amplifier section. This can be used in conjunction with the built-in crossover section, so that the I-880 power amp section is used to amplifiy only the high- or low frequency part of the signal, by connecting cables from the “High Pass” or “Low Pass” outputs to main in. The inputs can also be used with external signal processors

12 LOW PASS OUTPUTS

This set of outputs can be used, if you have a separate power amp for the bass range, use the I-x88 power amp section for the bass range only or for driving an active subwoofer.

13 HIGH PASS OUTPUTS

This set of outputs can be used, if you have a separate power amp for the midrange/treble range, or if you use the I-x88 power amp section for the midrange/treble range only.

14 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.

15 TRIGGER OUTPUTS

The amplifier is equipped with two DC trigger outputs. These can be used to power-on power amps, sub-woofers and other equipment together with the amplifier. When the amplifier is switched on (not in standby mode), the trigger outputs will supply 12VDC. They can supply up to 80mA total.

16 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.

17 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.

REMOTE

Note: The remote control has to be in amplifier mode to control the amplifier. If the amplifier is not responding to the remote control, press the **AMP** button A, to switch the remote to amplifier mode.

B **STANDBY**, Press this button to switch the amplifier on, or to switch to standby mode.

C **INV**, This button is not used on amplifiers.

E **MENU**, Use this button to enter and return from the menu. Use the ARROW RIGHT/LEFT buttons to cycle through the menu, and the ARROW UP/DOWN buttons to change a setting. Please see “MENU FUNCTIONS” for details.

F **i**, Use this button to show information about the amplifier.

G **ARROW UP/ARROW DOWN**, Press these buttons to increase/decrease the volume level, or to change settings in the menu.

H **ARROW RIGHT/LEFT**, Press these buttons to switch inputs and navigate through the menu**.**

I **VOLUME DOWN**, Press this button to decrease the volume level.

J **MUTE,** Press this button to either mute or reactivate the outputs of the amplifier. ”Mute” shown on the display indicates disengaged outputs.

K **VOLUME UP**, Press this button to increase the volume level.

A **AMP**, Press this button to switch the remote control to amplifier mode.

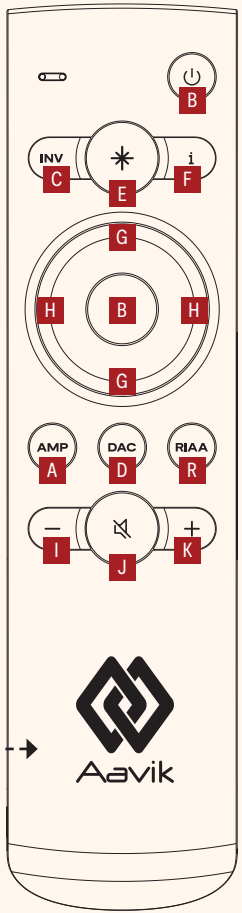
D **DAC**, Press this button to switch the remote control to DAC mode.

R **RIAA**, Press this button to switch the remote control to phono stage mode.

INSTALLING/REPLACING BATTERY

To remove the backplate, apply slight pressure and move it downwards to release it. Install one AAA battery as indicated in the battery compartment.

Remove the battery if you are not going to use the remote for an extended period of time.



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 many settings of the amplifier by using the front panel.

Using the remote, press the "Menu" button E to enter or exit the menu.
Using the front panel, press and hold the INPUT SELECT/MENU BUTTON 4 button for 3 seconds.

When entering the menu, gain information will be shown.

Using the remote, cycle through the options using the ARROW LEFT/RIGHT H buttons.
Using the front panel, press the INPUT SELECT/MENU button 4 to cycle through the options.

Use the ARROW UP/DOWN G buttons of the remote, the up/down front panel buttons (2/ 3) or the rotary knob 6 to change the settings

In the menu you can cycle through all options in the order listed below using the remote. Using the front panel, the amplifier will return to normal operation once cycled through all the options.

SETTINGS	DISPLAY SHOWS
PREAMP GAIN (SETTINGS FOR INDIVIDUAL INPUTS) Using this function you can set the gain of the selected input.	Preamp gain 9dB
BALANCE In this submenu, you can change the left/right channel balance in 6 x 1dB steps.	Balance L: 0dB R: 0dB
PRE OUT MUTE In this submenu, you can engage or disengage the preamplifier outputs, which are muted by default and should be active to connect i.e. a separate power amplifier, headphone amplifier or active subwoofer.	Pre out mute On
DISPLAY BRIGHTNESS In this submenu, you can set the display brightness to 10, 40, 70 or 100%.	Display brightness 100%
DISPLAY DIM 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
TEMPERATURE In this submenu, the current operating temperature of the amplifier is displayed.	Temperature 21°C 70°F

MENU FUNCTIONS

SETTINGS	DISPLAY SHOWS
HOME THEATRE BYPASS INPUT Using the home theatre bypass function, you can setup an input to use a fixed volume setting. Choose the desired input or "Disabled" to use all inputs as regular inputs.	Home th. bypass Disabled
HOME THEATRE BYPASS LEVEL Set the fixed level to use for the home theatre bypass input (if enabled).	Home th. byp. lev. -20dB
HIGH PASS FREQUENCY Use this setting to change the crossover frequency of the high pass output (range: 30–80Hz).	High pass freq. 40Hz
LOW PASS FREQUENCY Use this setting to change the crossover frequency of the low pass output (range: 30–80Hz).	Low pass freq. 40Hz
LOW PASS LEVEL Using this setting, you can trim the output level of the low pass output in 0.25dB steps. The range is +/-6dB.	Low pass level 0000000dB
MAIN IN SELECT This setting selects the signal passed to the internal power amp section. "Internal signal" passes the full signal of the internal preamp. "Int. sig. XXHz" passes the internal signal through a gentle (6dB/octave) high pass filter. "External input" selects the signal from the "Main In" connectors.	Main in select Int. sig. 25Hz
SOFTWARE VERSION 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
FACTORY RESET Press the ARROW UP button to reset all settings to factory default. When the reset is complete, the amplifier will switch off.	Factory reset Press UP to reset

SPECIFICATIONS

	AAVIK I–188	AAVIK I–288	AAVIK I–588
LINE INPUT	Gain (line 1 - 4): 5–15dB; maximum input 4.5Vrms Gain (line 5): 1–11dB; maximum input 6.5Vrms Input impedance 10kohm	Gain (line 1 - 4): 5–15dB; maximum input 4.5Vrms Gain (line 5): 1–11dB; maximum input 6.5Vrms Input impedance 10kohm	Gain (line 1 - 4): 5–15dB; maximum input 4.5Vrms Gain (line 5): 1–11dB; maximum input 6.5Vrms Input impedance 10kohm
PREAMP OUTPUT	1 pair of RCA outputs	1 pair of RCA outputs	1 pair of RCA outputs
MAX OUTPUT	7.5Vrms	7.5Vrms	7.5Vrms
DISTORTION, LINE STAGE	<0.005% (THD at 1kHz, 1V input)	<0.005% (THD at 1kHz, 1V input)	<0.005% (THD at 1kHz, 1V input)
OUTPUT IMPEDANCE (PRE OUT)	50 ohms	50 ohms	50 ohms
VOLUME CONTROL	76 1dB steps	76 1dB steps	76 1dB steps
SPEAKER OUTPUT	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
DISTORTION (THD+N)	<0,0028% (1W, 1kHz, 8 ohm)	<0,0028% (1W, 1kHz, 8 ohm)	<0,0028% (1W, 1kHz, 8 ohm)
IMD	<0,0008% (10W, 8 ohm)	<0,0008% (10W, 8 ohm)	<0,0008% (10W, 8 ohm)
TIM	<0,002% (10W, 8 ohm)	<0,002% (10W, 8 ohm)	<0,002% (10W, 8 ohm)
MAIN IN	1.33V RMS in for full power Input impedance 3.4kohm	1.33V RMS in for full power Input impedance 3.4kohm	1.33V RMS in for full power Input impedance 3.4kohm

	AAVIK I-188	AAVIK I-288	AAVIK I-588
AAVIK NOISE REDUCTION	Active Tesla Coils: 36 Active Square Tesla Coils: 96 Dither circuitry: 4 Gold Anti-Arial Resonance Coils (Gold AARC): 4	Active Tesla Coils: 72 Active Square Tesla Coils: 168 Dither circuitry: 7 Gold Anti-Arial Resonance Coils (Gold AARC): 5	Active Tesla Coils: 108 Active Square Tesla Coils: 240 Dither circuitry: 10 Gold Anti-Arial Resonance Coils (Gold AARC): 7
POWER CONSUMPTION	Standby: <1W Idle: <30W	Standby: <1W Idle: <30W	Standby: <1W Idle: <30W
INPUT VOLTAGE	100-240V AC	100-240V AC	100-240V AC
MAX CURRENT	10 A	10 A	10 A
ENCLOSURE IP RATING	IP20	IP20	IP20
DIMENSIONS	(H x W x D) 117,8 x 440 x 393,5 mm (H x W x D) 4.64 x 17.32 x 15.49 inches	(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
WEIGHT	23,30 kg / 51.37 lbs	23,30 kg / 51.37 lbs	23,30 kg / 51.37 lbs

Aavik

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

info@audiogroupdenmark.com

AUDIOGROUPDENMARK.COM