



ORBIT 11

active coaxial 3-way studio monitor
PORBIT11(W);

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1 DOCUMENT VERSION AND REVISIONS

| Version | Date | Implemented changes |
|---------|---------|---------------------|
| v1.0 | 11/2025 | Original version |

2 INTRODUCTION

2.1 YOU MADE THE RIGHT CHOICE!

This product has been developed and manufactured to the highest quality standards to ensure many years of problem-free operation. Find further information about Palmer on our website:

<https://www.palmer-germany.com/>

2.2 CONTACTS

| | Adam Hall GmbH Headquarter | Customer Service |
|--------------------|--|--|
| E-mail | info@adamhall.com | customerservice@adam-hall.com |
| Phone | +49 6081 9419-0 | +49 6081 941973-0 |
| Street | Adam-Hall-Str. 1 | Adam-Hall-Str. 1 |
| Postal code / city | 61267 Neu-Anspach | 61267 Neu-Anspach |
| Website | www.adamhall.com | www.adamhall.com |

2.3 LINK TO THE DOWNLOAD CENTRE



You can download some information, such as CAD data or technical data, from the Download Centre. Scan the QR code or click the link to download this information:

2.4 VISUALISATION CONVENTIONS IN THIS USER MANUAL

In this manual we use graphical symbols and icons in certain contexts. Find below a table with explanations and use cases of the graphical symbols and icons.

| Icon / Symbol | Designation | Context | Explanation / Example |
|---|---|--|--|
| ✓ | Prerequisite | Tasks | Used in task topics to indicate a prerequisite that must be met before beginning the task. |
| ⇒ | Result / Intermediate Result | Tasks | Used in task topics to indicate a result or intermediate result of an action step. |
| 1 Step a) Substep | 1 Action Step a) Substep | Tasks | Used in task topics to indicate action steps and substeps. |
| 1 | Callout | Graphics; tasks | Text-image reference or labeling of certain functions on the device |
| (...) | Value range indicator | Technical data; paragraphs; lists | Indicates the range of a value, such as "Compressor ratio: 1:1...20:1 ". Mostly used in tables or callouts. |
| * | Asterisk | Paragraphs; tables | Indicates additional information in a footnote. |
| The LIM LED lights up | General User Interface element | Paragraphs; tasks; tables; lists | The words presented in this way represent graphic user interface elements on the device. |
| PAGE button | Key / Button | Paragraphs; tasks; tables; lists | The words presented in this way represent user interface controls on the device. |
| <name> | User input | Paragraphs; tasks; tables; lists | The words presented in this way represent required user inputs. |
| https://adamhall.com | Weblink | Paragraphs; tables; lists | External link to a website |

3 PRODUCT COMPLIANCE

3.1 MANUFACTURER'S DECLARATION

Adam Hall offers a voluntary, EU-wide manufacturer's guarantee of 5 years. The statutory warranty period is not affected by this voluntary guarantee.

Visit the Adam Hall Service Portal to access the **Download Centre**:

<https://portal.adamhall.com/>

Under the **Service & Regulations** section, you find our current detailed manufacturer's declarations, warranty conditions, and limitation of liability.

To request warranty for a product, please contact:

Adam Hall GmbH, Adam-Hall-Str. 1, 61267 Neu-Anspach

customerservice@adamhall.com

0049 (0)6081 / 9419-1000

3.2 DECLARATION OF CONFORMITY

UK
CA

Hereby, Adam Hall Ltd. declares that this product meets the following guidelines (where applicable)

- Electrical Equipment (Safety) Regulations 2016
- Electromagnetic Compatibility Regulations 2016 (SI 2016/1091)
- The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulation 2012 (SI 2012/3032)
- Radio Equipment Regulations 2017 (SI 2016/2015)

Products that are subject to Electrical Equipment(Safety)Regulation 2016, EMC Regulation 2016 or RoHS Regulation can be requested at info@adamhall.com.

Products that are subject to the Radio Equipments Regulations 2017

(SI2017/1206) can be downloaded at <http://www.adamhall.com/compliance>.

4 SAFETY INSTRUCTIONS

4.1 INTENDED USE

The **ORBIT 11** is intended for precise audio monitoring in professional and semi-professional studio environments.

This product has been developed for the professional use in the field of event technology, studio, TV, and broadcast.

The device is intended for fixed installation and not for mobile application.

The device is intended for indoor use only.

It is not suitable for domestic use.

Do not use the product outside the operating conditions as stated in the user manual under Technical Data. Liability for damage and third-party damage to persons and property due to inappropriate use is excluded.

This product is not suitable for children and persons with limited physical, sensory, or mental capabilities or lack of experience and knowledge.

4.2 EXPLANATION OF SAFETY AND WARNING SYMBOLS

Find the following safety and warning symbols on the device, the user manual, or the packaging:



This symbol indicates that you must read the complete user manual before using the product.



This symbol indicates a general hazardous situation.



This symbol indicates hazards that can cause electric shock.



This symbol indicates high sound pressure levels.



This symbol indicates that the product is for indoor use only.



This symbol indicates that the product is not suitable for household use.



This symbol indicates that the product has no serviceable parts. Only authorized personnel is allowed to perform maintenance or service work.



This symbol indicates helpful hints or additional information.

4.3 STRUCTURE OF WARNING MESSAGES

In this user manual, warning messages are structured with a safety symbol, a signal word, a hazard description, and instructions on how to avoid injuries or death.



DANGER

Indicates a hazardous situation which will result in death or serious injury.



WARNING

Indicates a hazardous situation which could result in death or serious injury



CAUTION

Indicates a hazardous situation which could result in minor or moderate injury.



NOTICE

Indicates situations or conditions that could result in damage to property and/or the environment.

4.4 GENERAL SAFETY



- Read this document carefully.
- Keep this document for later reference.
- Follow closely the instructions in this document.
- This document is an integral part of the product. If you sell or pass on the product, you must include this document.
- Only use this product according to its intended use.
- Risk of choking. Keep small parts away from children and individuals with impaired physical, sensory, or mental capabilities.
- Risk of suffocation. Keep plastic bags away from children and individuals with impaired physical, sensory, or mental capabilities.
- Observe all safety instructions and warning messages in this document, on the device, and on the packaging.
- Products are subject to continuous further development. If you find discrepancies between this document and the product labeling, the information on the product always takes priority.
- Do not remove safety instructions or warning messages from the product.
- Do not open the device.
- Do not modify the product.
- If the product shows any sign of damage, do not use it.
- Do not operate the product with removed or missing covers.
- Do not expose the product to direct sunlight.

- If not further specified in the user manual under Technical Data, do not use the product in ambient temperatures that exceed 40 °C / 104 °F or fall below 0 °C / 32 °F
- Do not use the product in tropical climate.
- Do not use the product above 2000 metres of altitude.
- Unless otherwise stated, do not use the product under marine conditions.
- Use only accessories specified by the manufacturer.
- Maintenance and repairs may only be carried out by authorized service personnel.
- Store and transport the product in a dry and safe environment.
- Clean the product on a regular basis. If applicable, see the user manual for maintenance intervals.
- If the device was exposed to strong temperature changes, such as during transport, do not switch it on immediately. Wait until the device has reached ambient temperature.
- High sound pressure levels may cause hearing damage. Avoid prolonged exposure to high sound pressure levels. Wear hearing protection.
- Risk of hearing damage. Plugging or unplugging devices in the signal chain may cause an audio signal peak. Switch on the loudspeaker as the last device in the signal chain.
- Risk of hearing damage. Switching on or off other devices in the signal chain may cause an audio signal peak. Switch on the loudspeaker as the last device in the signal chain.

4.5

ELECTRICAL SAFETY



- This is an electrical device in protection class I. Make sure that the protective conductor is connected to electrical earth. Do not disconnect the protective conductor.
- Do not bypass the mains fuse.
- Use only mains fuses as specified by the manufacturer.
- Do not use kinked or otherwise damaged power cables.
- Only operate the device on compliant, tested and intact mains power outlets.
- Do not use the device in the vicinity of water. Keep the device away from splashing or dripping water.
- Make sure that the voltage and frequency of the mains power match the values specified by the manufacturer.
- Take suitable measures against overvoltage, such as lightning strikes.
- For devices with a power out connector, make sure the total current consumption of all connected devices does not exceed the value specified by the manufacturer.
- This device is not suitable for continuous current.
- Disconnect the device from all poles before maintenance, repair or extend periods of non-use.
- Permanently connected power cables may only be replaced by a qualified service technician.

4.6 THERMAL SAFETY

- Do not install the device near heat sources, such as radiators or ovens.
- Do not block any ventilation openings.
- Unless otherwise stated, keep a minimum clearance of at least 20 centimetres around the device.
- Unless otherwise stated, keep flammable materials, such as paper or wood, at least 50 centimetres away from the device

4.7 DEVICE SAFETY



- Do not switch the device on and off in quick succession, because this will shorten the device lifetime.
- Loudspeakers generate a magnetic field, even when they are not in use. Devices, such as hard disk drives or cheque cards may be affected by the loudspeaker's magnetic field. Do not set up or transport these devices near the loudspeaker.

5 PRODUCT DESCRIPTION

5.1 PRODUCT OVERVIEW

The **ORBIT 11** is an active coaxial 3-way studio monitor.

FEATURES:

- Coaxial true point source (6.5" midrange woofer + 1" tweeter)
- Impulse-compensated dual 8" woofers
- Frequency range: 28 Hz...28 kHz (-3 dB)
- 120° x 120° constant directivity waveguide
- Cardioid design for consistent directivity down to 250 Hz
- Speaker placement presets
- 3-way design with linear-phase FIR filter
- 1000 W Class-D amplifier for high dynamic range
- High-resolution 96 kHz / 24-bit DAC
- Advanced internal DSP processing at 96 kHz
- Analog and AES3 digital inputs
- Robust, acoustically optimised die-cast aluminium housing
- Available in black or white

5.2 OPTIONAL ACCESSORIES

Find various accessories for your product in the Adam Hall Shop:

<https://www.adamhall.com/shop>

| Accessory | Article Number |
|---|----------------|
| SP 3102 TM Flexible Studio Monitor Stand with Table Clamp | GSP3102TM |
| SP 3102 Studio Monitor Speaker Stand | GSP3102 |
| SP 3202 Studio Monitor Speaker Stand | GSP3202 |
| SP 3202 CS B Studio Monitor Speaker Stand with square steel base | GSP3202CSB |
| SP WMBS 20 B Tilt-and-Swivel Wall Mount for Speakers up to 20 kg, Black | GSPWMBS20B |
| SP WMBS 20 W Tilt-and-Swivel Wall Mount for Speakers up to 20 kg, White | GSPWMBS20W |
| SP 3202 VT VARI®-TILT Studio Monitor Speaker Stand | GSP3202VT |

5.3 TECHNICAL DATA

GENERAL

| Parameter | Value |
|---|--------------------------|
| Article number | PORBIT11(W) |
| Product type | Coaxial studio monitor |
| Peak output power | 1,000 W |
| RMS output power | 400 W |
| Amp class | Class D |
| Max. SPL peak | 116 dB |
| Frequency response (-3 dB, rel. Avg) | 28 Hz ... 28 kHz |
| Crossover frequency | 250 Hz / 1800 Hz |
| Total Harmonic Distortion (f > 100 Hz; 84 dB @ 1 m): | 0.4 % |
| Beam angle horizontal | 120° |
| Beam angle vertical | 120° |
| Number of inputs | 2 |
| Input connector types | XLR 3-pole female |
| Number of outputs | 1 |
| Output connector types | XLR 3-pole male |
| Protective circuits | Peak, RMS, Therm Limiter |

INPUTS

| Parameter | Value |
|-----------------------|-------------------|
| Number of line inputs | 1 |
| Line input connectors | XLR 3-pole female |
| AES3 inputs | 1 |
| AES3 input connectors | XLR 3-pole female |

LINE INPUTS

| Parameter | Value |
|------------------------------------|--------|
| Nom. sensitivity (<1 % THD, 1 kHz) | 0 dBu |
| Nom. input clipping | 22 dBu |
| Input Impedance | 10 kΩ |

OUTPUTS

| Parameter | Value |
|------------------------|-----------------|
| AES3 outputs | 1 |
| Output signal type | AES3/EBU thru |
| AES3 output connectors | XLR 3-pole male |

SIGNAL PROCESSING

| Parameter | Value |
|---|---------------------------------|
| DSP model | ADAU1463 |
| AD/DA converter bit depth | 24 Bit |
| AD/DA converter sampling frequency | 96 kHz |
| Signal-to-noise ratio (SNR) | 103 dB |
| Max. THD+N (1 kHz, +4 dBu, unity, unweighted) | 0.01 % |
| Max. THD+N (30 kHz, +4 dBu, unity, unweighted) | 0.02 % |
| System latency | 4.1 ms |
| EQ band LOW | Low Shelf, 100 Hz, Q 0.7 |
| EQ band MID | Peak, 1200 Hz, Q 0.5 |
| EQ band HI | High Shelf, 2700 Hz, Q 1.4 |
| Filter DESK | Peak, 380 Hz, Q 1.5, -2 dB |
| Filter REAR WALL - Small Distance | Low Shelf, 100 Hz, Q 0.9, -3 dB |
| Filter REAR WALL - Larger Distance | Low Shelf, 150 Hz, Q 0.9, -6 dB |

BASS DRIVER

| Parameter | Value |
|--------------------------|-------------|
| Number of bass drivers | 2 |
| Woofer size (inch) | 8" |
| Woofer voice coil (inch) | 1.5" |
| Woofer outside diameter | 200 mm |
| Woofer magnet | Ferrit |
| Woofer brand | Custom made |

MIDRANGE DRIVER

| Parameter | Value |
|----------------------------|-------------|
| Number of midrange drivers | 1 |
| Midrange size (inch) | 6.5" |
| Midrange voice coil (inch) | 2" |
| Midrange outside diameter | 169 mm |
| Midrange magnet | Ferrit |
| Midrange brand | Custom made |

TWEETER

| Parameter | Value |
|---------------------------|-----------------------|
| Number of tweeters | 1 |
| Tweeter design | Titanium Dome Tweeter |
| Tweeter size (inch) | 1" |
| Tweeter voice coil (inch) | 1" |
| Tweeter outlet diameter | 1" |
| Tweeter magnet | Neodymium |
| Tweeter brand | Custom made |

MAINS OPERATION

| Parameter | Value |
|-------------------|----------------------------------|
| Operation voltage | AC 100 V...240 V / 50 Hz...60 Hz |
| Power supply | SMPS |

HOUSING

| Parameter | Value |
|----------------------------|--|
| Housing colour PORBIT11 | Black |
| Housing colour PORBIT11W | White |
| Housing design | Closed (LF) + Cardioide baffle (MF/HF) |
| Housing material | Aluminium die-cast |
| Housing material thickness | 5 mm ... 16 mm |
| Housing protective coating | Powder coating |
| Cooling | passive |

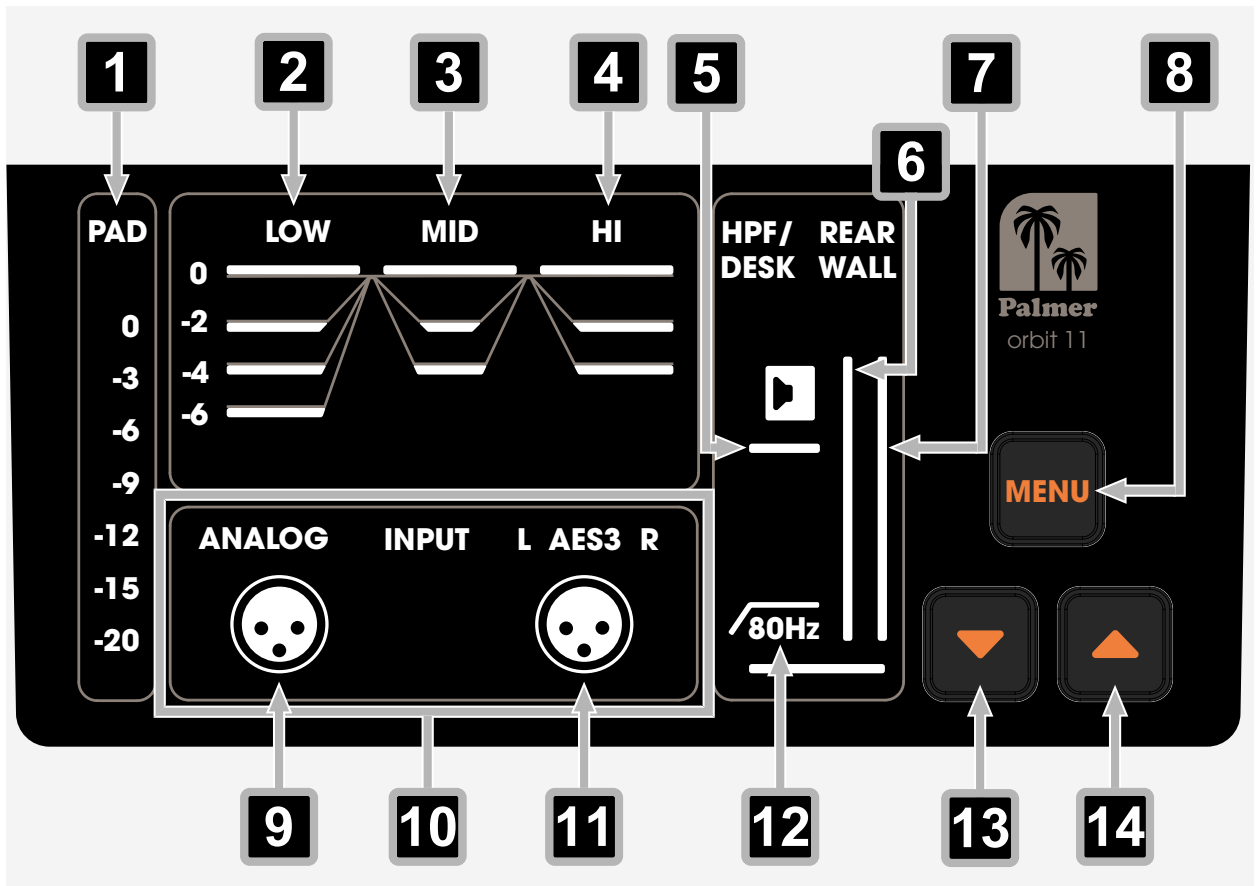
AMBIENT CONDITIONS

| Parameter | Value |
|---------------------------------------|----------------|
| Protection class | IP20 |
| Ambient temperature (operating) | 0 °C ... 40 °C |
| Maximum air humidity (non-condensing) | 80 % |

DIMENSIONS AND WEIGHT

| Parameter | Value |
|------------------------|--------------------------|
| Dimensions (W x H x D) | 216 mm x 293 mm x 294 mm |
| Weight | 14 kg |

5.4 USER INTERFACE

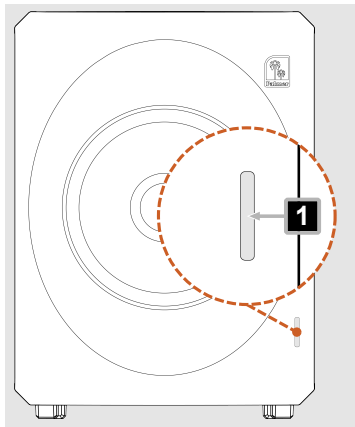


- 1** **PAD** - Indicates the input signal attenuation in dB (**0, -3, -6, -9, -12, -15, -20**).
- 2** **Equaliser LOW** - Indicates the **LOW** band of the equaliser in dB (**0, -2, -4, -6**).
- 3** **Equaliser MID** - Indicates the **MID** band of the equaliser in dB (**0, -2, -4**).
- 4** **Equaliser HI** - Indicates the **HI** band of the equaliser in dB (**0, -2, -4**).
- 5** **Adaptation Filter: DESK** - Indicates whether the **DESK** filter is active.
- 6** **Adaptation Filter: REAR WALL Small Distance (0 cm ... 30 cm)** - Indicates whether the adaptation filter **REAR WALL** is set for small distances to the rear wall.
- 7** **Adaptation Filter: REAR WALL Larger Distance (31 cm ... 50 cm)** - Indicates whether the adaptation filter **REAR WALL** is set for larger distances to the rear wall.
- 8** **MENU** - Skips through the control panel sections (**PAD, LOW, MID, HI, HPF/DESK, REAR WALL, INPUT**). After reaching the last section, the selection jumps back to the first element.

- 9 INPUT: ANALOG** - Indicates whether the analogue input is active.
- 10 INPUT Section** - Indicates the active input (**ANALOG**, **AES3 L**, **AES3 R**, **AES3 LR**).
- 11 INPUT: AES3** - Indicates whether the AES3 input is active.
- 12 Adaptation Filter: HPF** - Indicates whether the highpass filter (80 Hz) is active.
- 13** ▼ - Changes the value downwards in the selected section.
- 14** ▲ - Changes the value upwards in the selected section.

5.5 FRONT LED

When the **ORBIT 11** is switched on, the front LED **1** can have 2 different states.



- **Power on:**
Orange
- **Limit:**
Red - A brief flash indicates the activity of the peak limiter. A steady light indicates the activity of the RMS limiter.

6 PREPARATION

6.1 SCOPE OF DELIVERY

- Device
- Mains power cable
- Safety Compliance Information
- Quick Start Guide
- Screws and washers for wall mounting (4x M6 x 10 mm - T30)
- Eyebolt for safety fastening (M8)

7 INSTALLATION

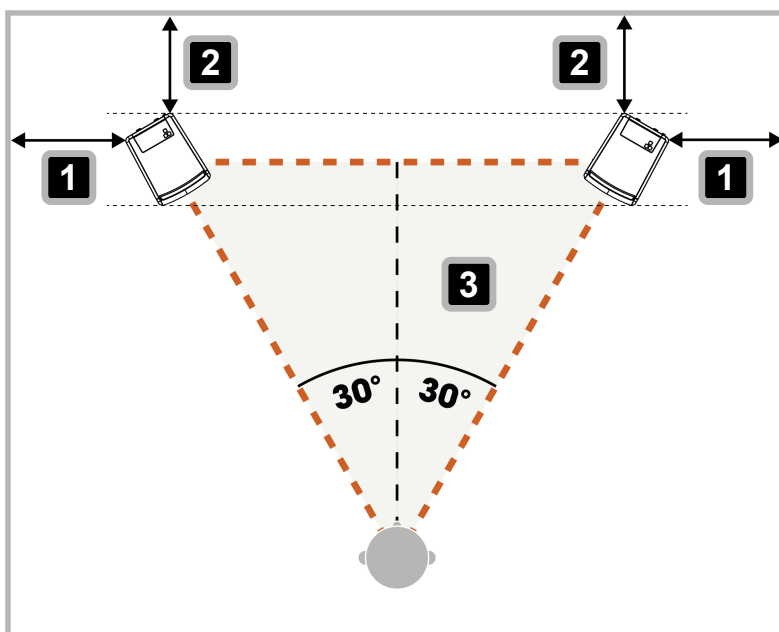
**NOTICE**

Damage to the device

Do not touch the loudspeaker membranes when handling the device.

7.1 ABOUT POSITIONING STUDIO MONITORS

Find below basic information on the positioning of studio monitors.



- Place the studio monitors upright.
- Place the studio monitors with distances as symmetrical as possible to the walls at the sides **1** and at the rear **2**.
- Place the studio monitors so that the tweeter is approximately at the same height as your ears at the listening position.
- Place the studio monitors so that the listening position and the two studio monitors form an equilateral triangle **3**.
- **Avoid placing** the studio monitors in a corner of the room.

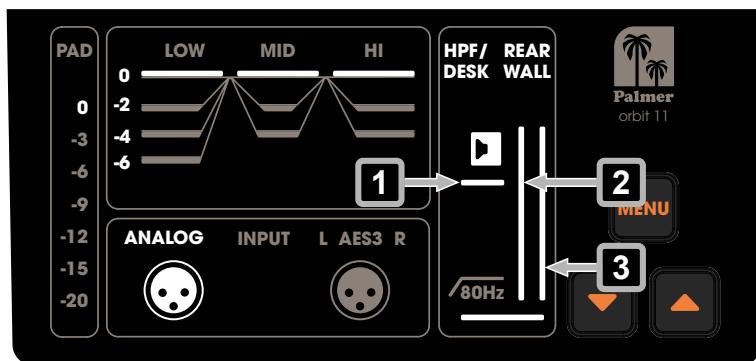
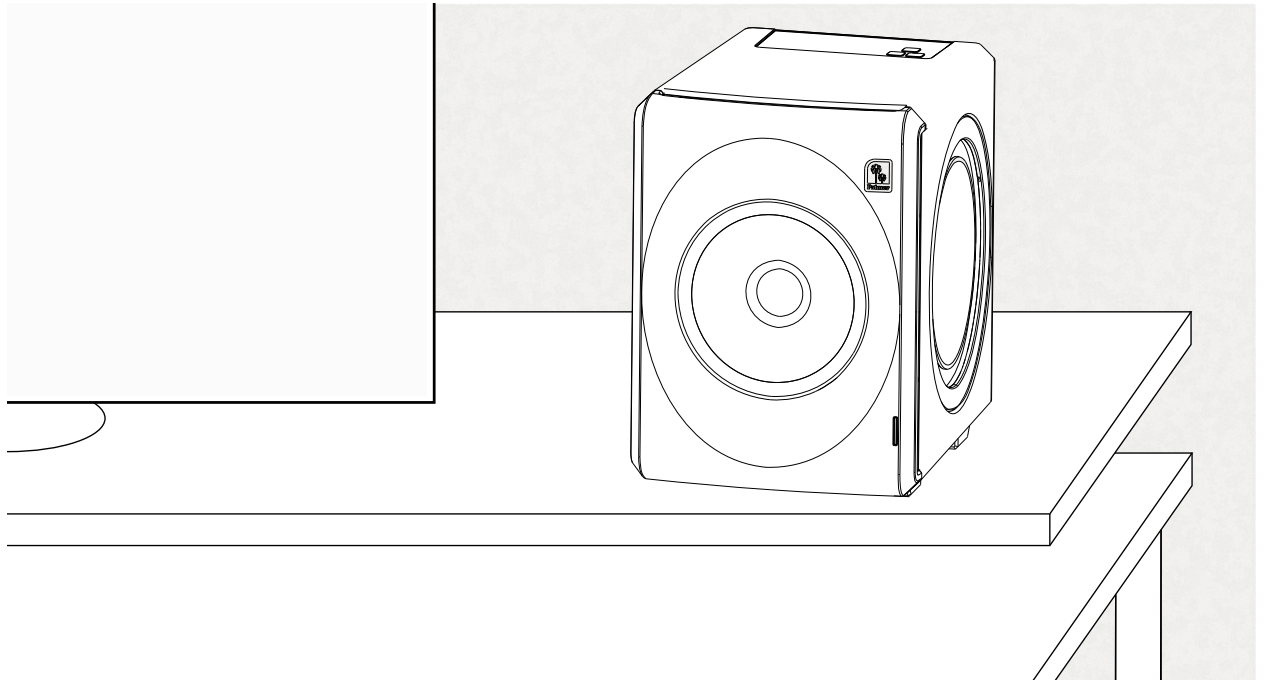
7.2 POSITIONING USE CASES

The **ORBIT 11** is designed to create the most neutral listening conditions possible, even in acoustically difficult environments.

Setting the adaptation filters (p. 33) of the **ORBIT 11** allows you to partially compensate for less favourable installation conditions.

Find below typical use case examples.

POSITIONING ON A DESK BOARD



Adaptation filter settings:

1 DESK: On

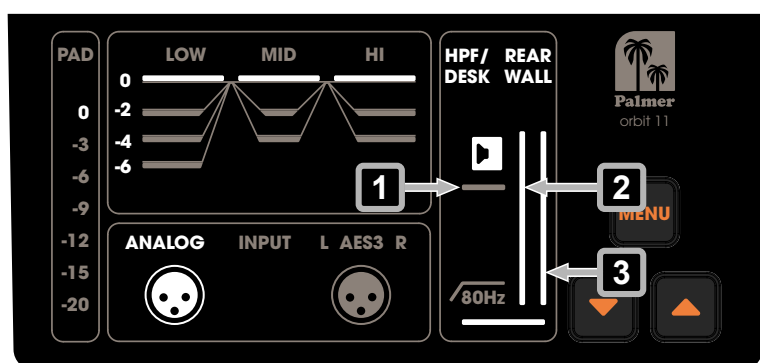
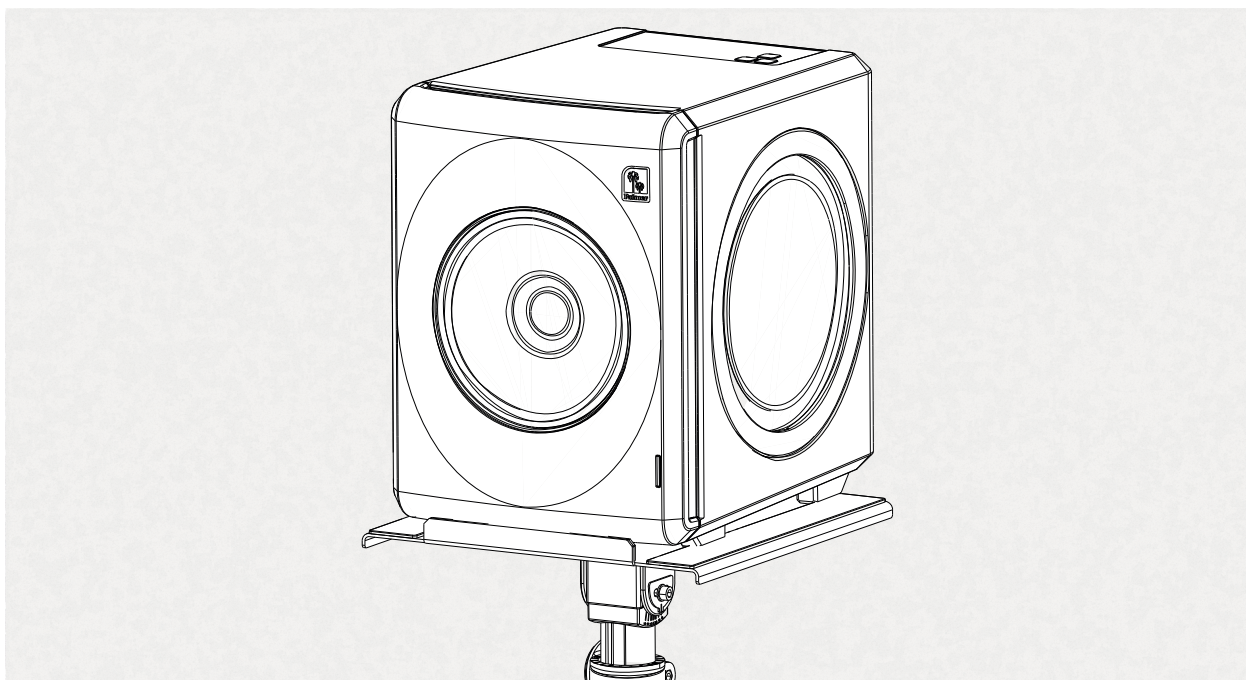
REAR WALL:

2 Small distance to the rear wall
(0 cm ... 30 cm)

3 Larger distance to the rear wall
(31 cm ... 50 cm)

Off Distance to the rear wall > 50 cm

POSITIONING ON A STAND



Adaptation filter settings:

1 DESK: Off

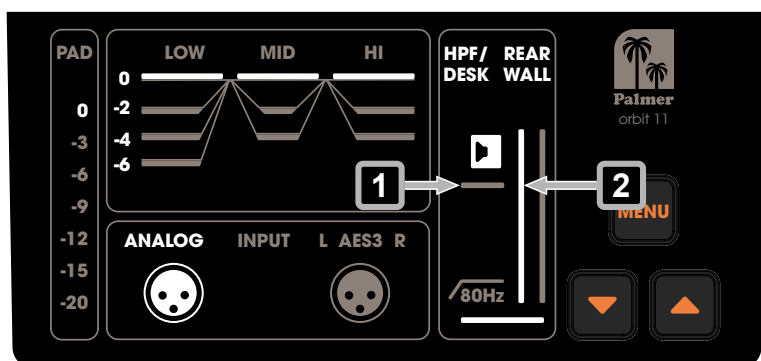
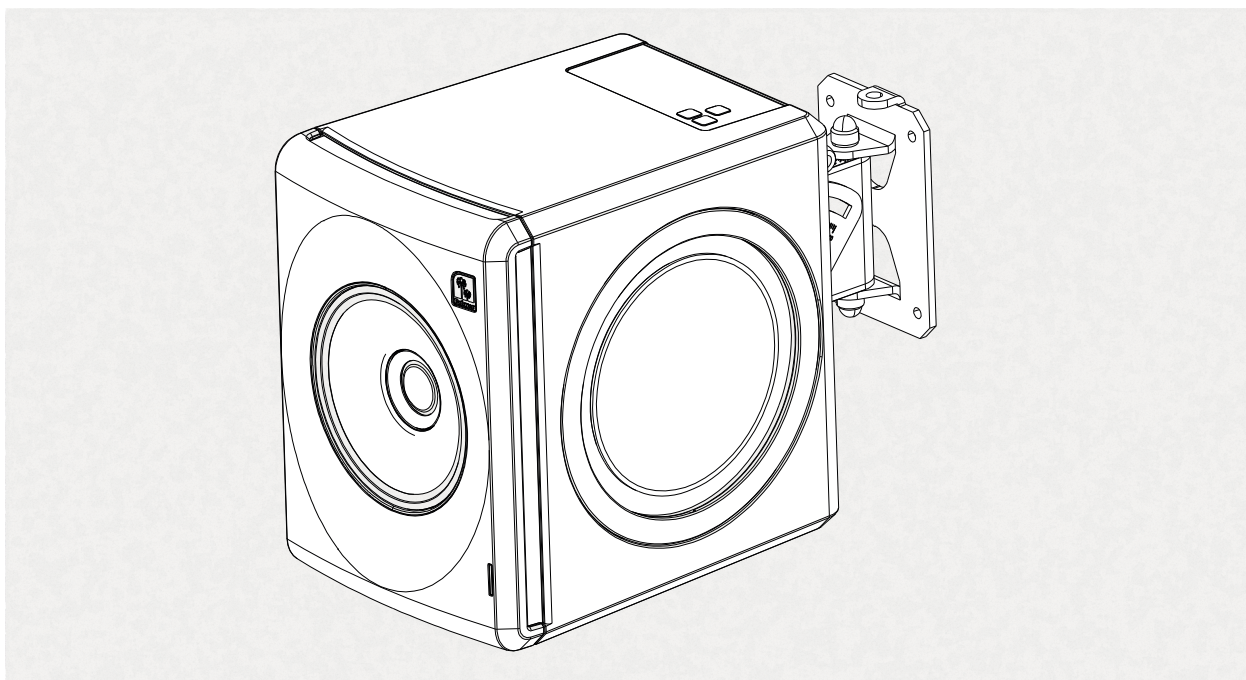
REAR WALL:

2 Small distance to the rear wall
(0 cm ... 30 cm)

3 Larger distance to the rear wall
(31 cm ... 50 cm)

Off Distance to the rear wall > 50 cm

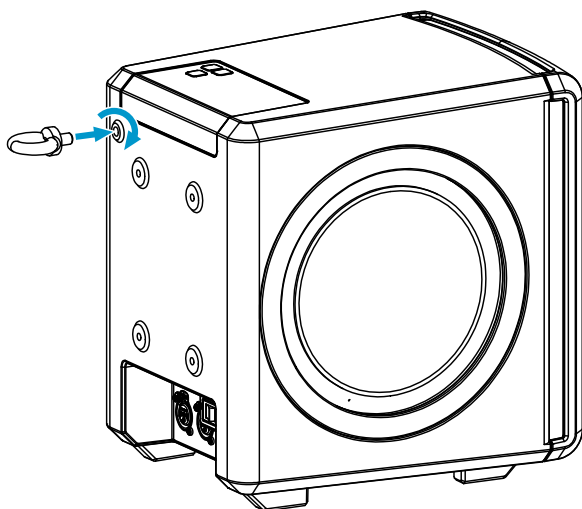
MOUNTING ON A WALL



Adaptation filter settings:

- 1 DESK:** Off
- 2 REAR WALL:** Small distance to the rear wall (0 cm ... 30 cm)

7.3 ATTACHING THE EYE BOLT



- 1 Screw in the M8 eye bolt (included in the scope of delivery).

7.4 ATTACHING THE WALL MOUNT



WARNING

Falling object

Risk of serious injury

- Observe all regional safety regulations concerning overhead loads.
- Make sure that the device is securely mounted.
- Make sure that the mounting accessory supports the weight of the device.
- Before any assembly, check that all mounting bracket components are complete, undamaged and work correctly.

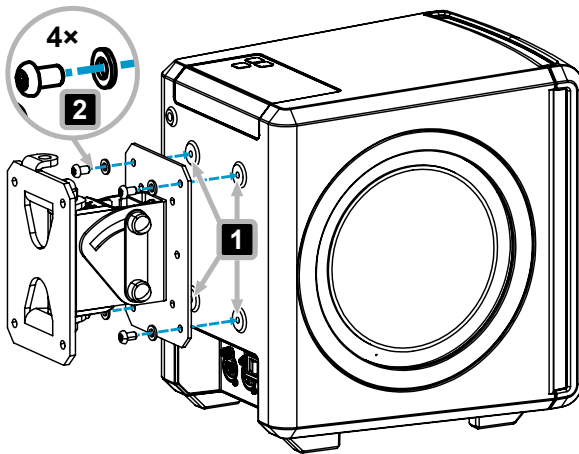


CAUTION

Pinching Hazard

Risk of Injury

- Be cautious while attaching the brackets. Handle with care to avoid injury.



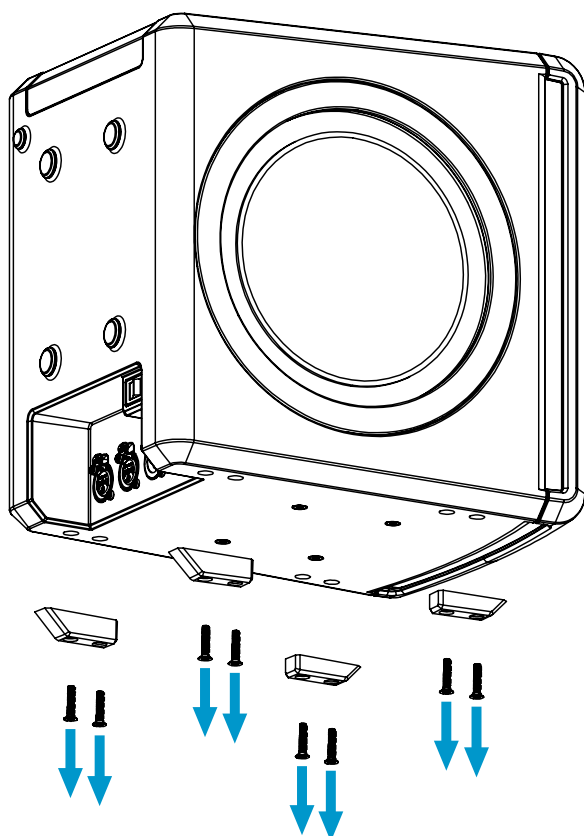
- Align the wall mount with the 4 threads **1**.
- Screw in the 4 M6 screws with the washers **2** (included in the scope of delivery).



The device feet can optionally be removed if the **ORBIT 11** is mounted on the wall.

See also:
Removing the Device Feet (► 27)

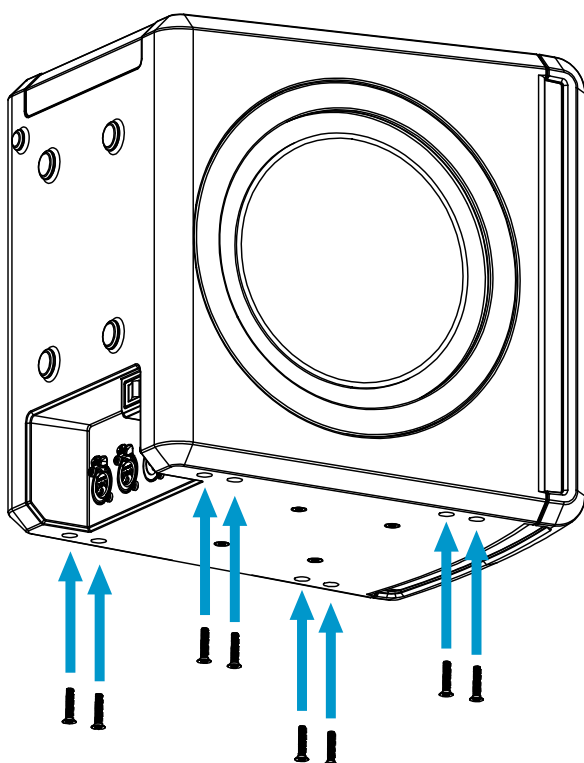
7.4.1 REMOVING THE DEVICE FEET



✓ Torx screwdriver T20 / T20 Torx bit

1 Remove the 2 screws from each of the 4 feet.

i Keep the device feet in a safe place.

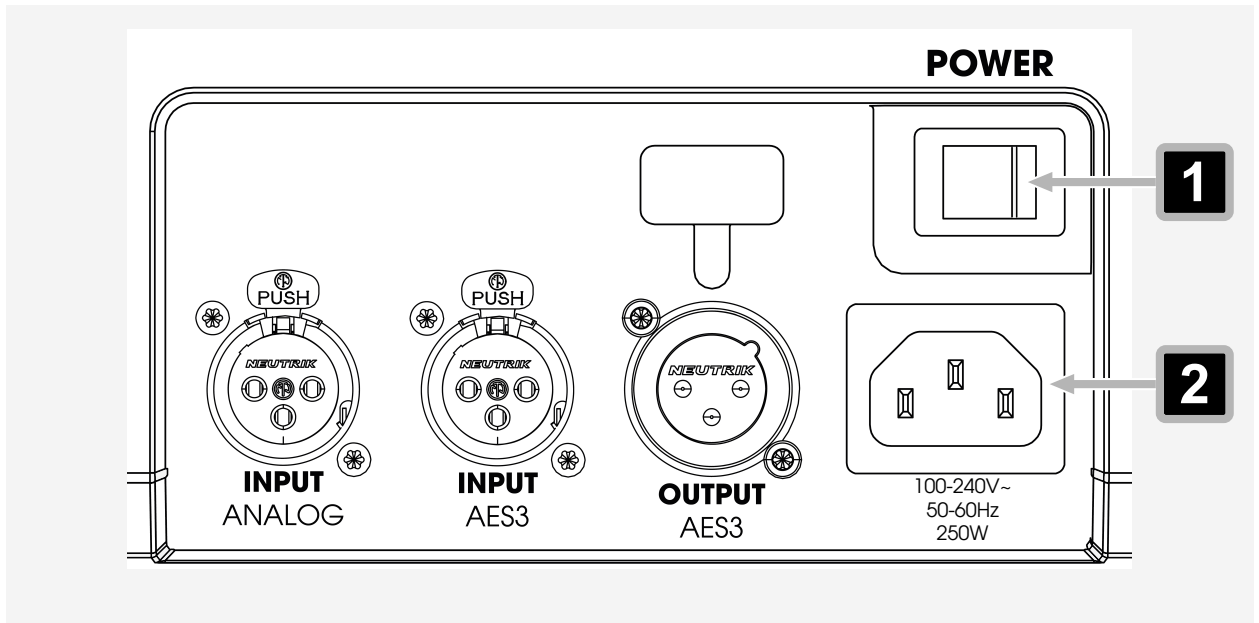


2 Screw the 8 screws back in.

8 OPERATION

8.1 POWER SUPPLY

8.1.1 POWER CONNECTION



- 1** **POWER** - On / Off switch
- 2** **C14 Socket** - Device power socket

8.1.2 CONNECTING A MAINS POWER CABLE



WARNING

Mains voltage

Risk of electric shock

- a. Do not use kinked or damaged mains power cables.



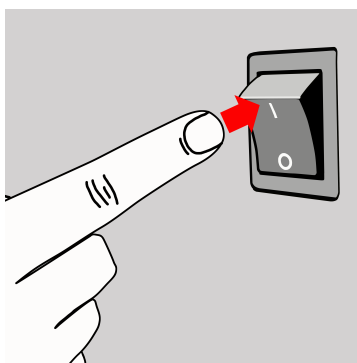
NOTICE





Damage to the device

- a. Make sure the mains power voltage matches the device's voltage.
- b. Use the supplied mains power cable.
- c. Do not plug or unplug the device under load.
- d. Power off the device before connecting or disconnecting the mains power cable.

- 1** Plug the C13 connector of the mains power cable into the C14 socket on the device.
- 2** Plug the mains connector of the mains power cable into the mains power socket.

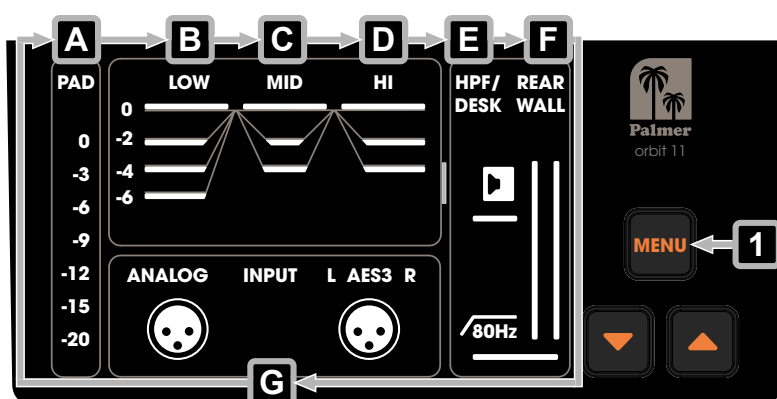
8.1.3 TURNING THE DEVICE ON OR OFF



- 1** Flip the switch from the  to the  position.
⇒ After a few seconds, the device is operational.
- 2** Flip the switch from the  to the  position.
⇒ The device turns off.

8.2 NAVIGATING THE DEVICE

8.2.1 USING THE MENU BUTTON





The menu sections follow a circular structure. When you have selected the last menu section **G** and press **MENU 1**, you reach the first menu section **A**.

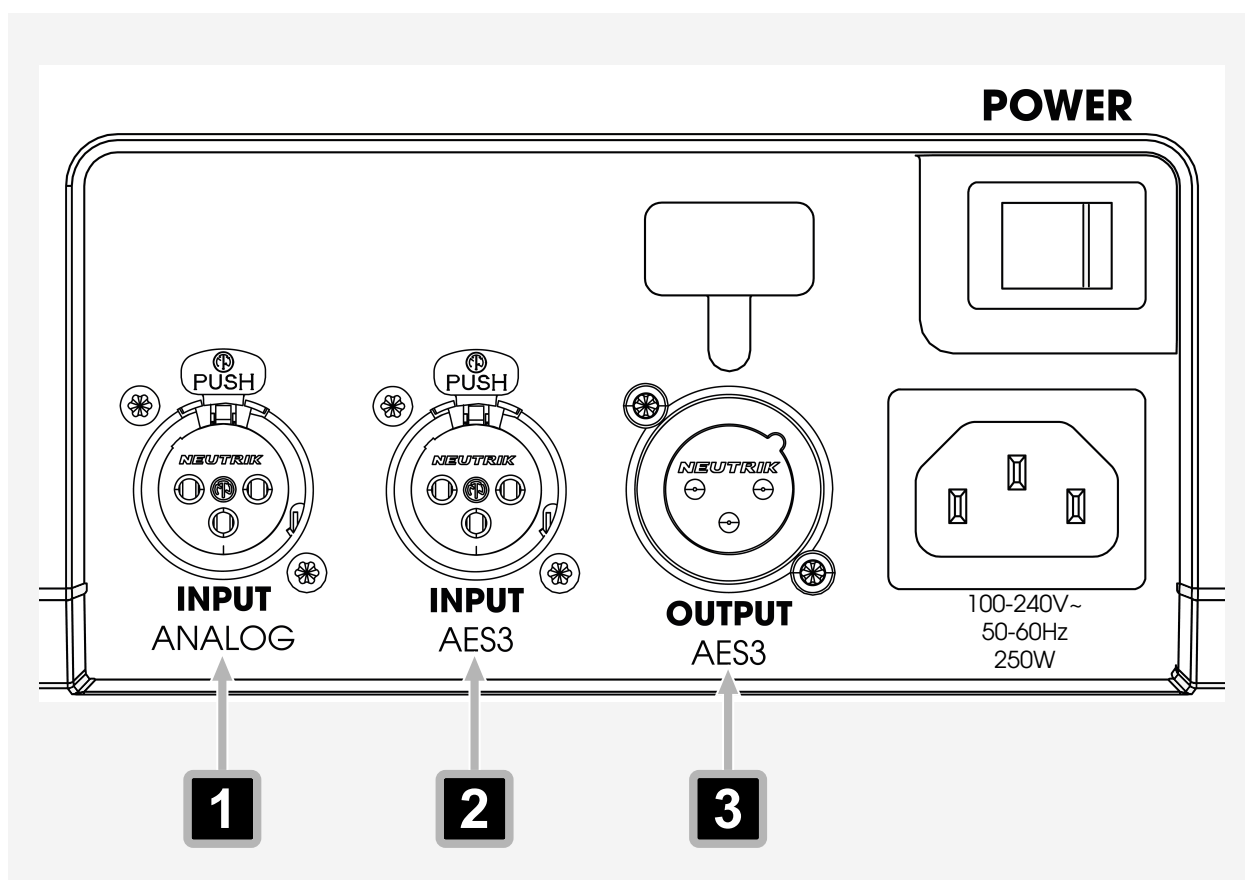
8.2.2 USING THE ARROW BUTTONS



Set values within each menu section using the arrow buttons **1**.

- 1** Press  to increase the value or  to decrease it.

8.3 AUDIO CONNECTIONS



- 1 INPUT ANALOG** - Line input socket (balanced 3-pin XLR)
- 2 INPUT AES3** - AES3 input socket (3-pin XLR for AES3 cable)
- 3 OUTPUT AES3** - AES3 output socket (3-pin XLR for AES3 cable)

8.4 INPUT CONNECTIONS

8.4.1 CONNECTING AN INPUT SOURCE TO THE ANALOG INPUT



CAUTION

High Sound Pressure Level

Risk of hearing damage

- a. Switch off the device before connecting an input source.
- b. Make sure that the input source volume is turned all the way down before connecting it.



NOTICE

High Sound Pressure Level

Damage to the loudspeaker

- a. Connect line level devices, such as mixing consoles, to the line input only.

✓ 3-pin XLR cable

- 1 Turn down the input source volume.
- 2 Switch off the device.
- 3 Connect the line input source to the **ANALOG INPUT** socket.
- 4 Switch on the device.
- 5 Turn up the input source volume.

8.4.2 CONNECTING AN INPUT SOURCE TO THE AES3 INPUT



CAUTION

High Sound Pressure Level

Risk of hearing damage

- a. Switch off the device before connecting an input source.
- b. Make sure that the input source volume is turned all the way down before connecting it.



NOTICE

High Sound Pressure Level

Damage to the loudspeaker

- a. Connect AES3 devices to the AES3 input only.



The AES3 input supports sample rates up to 96 kHz.

✓ 3-pin XLR cable that complies with the AES3 standard.

- 1 Turn down the input source volume.
- 2 Switch off the device.
- 3 Connect the AES3 input source to the **AES3 INPUT** socket.
- 4 Switch on the device.
- 5 Turn up the input source volume.

8.5 AUDIO PLAYBACK

8.5.1 SETTING THE PAD

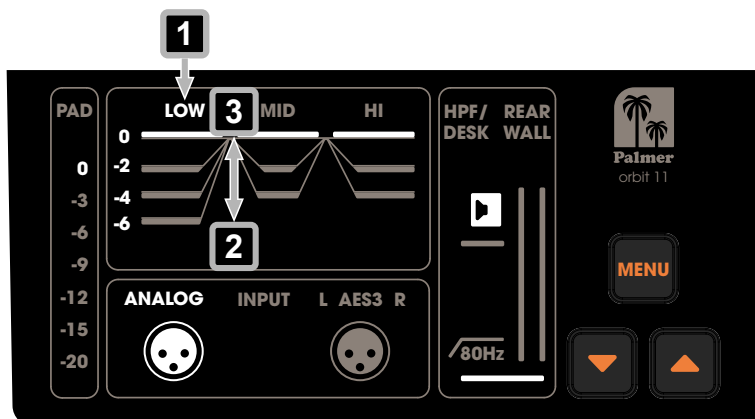


- 1 Press **MENU** until **PAD 1** lights up.
- 2 Press ▼ to increase **2** or ▲ to decrease **3** the attenuation value.

8.5.2 SETTING THE EQUALISER BANDS



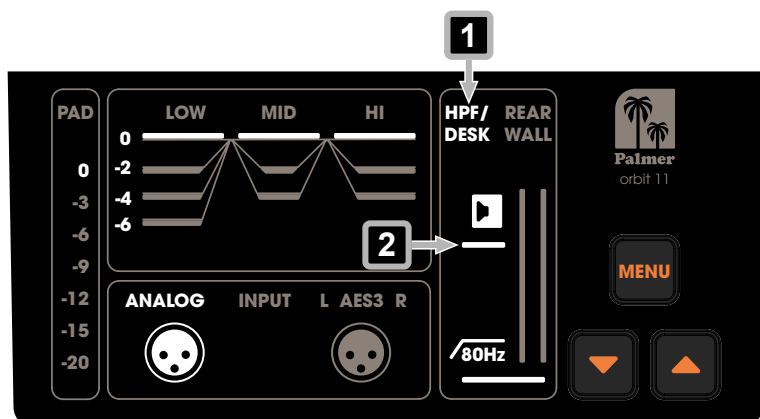
The **ORBIT 11** has three adjustable equaliser bands (**LOW**, **MID**, **HI**). Find below the instruction for the **LOW** band as an example.



- 1 Press **MENU** until **LOW 1** lights up.
- 2 Press ▼ to increase **2** or ▲ to decrease **3** the cut for the equaliser band.

8.5.3 SETTING THE ADAPTATION FILTERS

8.5.3.1 SETTING THE ADAPTATION FILTER DESK



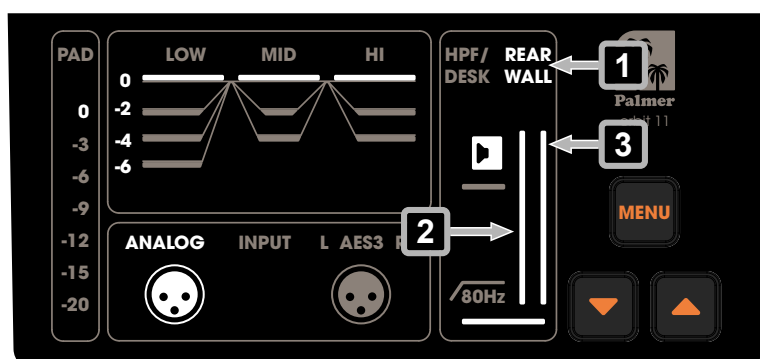
- 1 Press **MENU** until **HPF/DESK** **1** lights up.
- 2 Press **▼** or **▲** until the desk symbol line **2** lights up.

8.5.3.2 SETTING THE ADAPTATION FILTER REAR WALL

- 1 Press **MENU** until **REAR WALL** **1** lights up.

a) Activating the adaptation filter for small distances to a rear wall:

Press **▲** or **▼** until the left wall symbol line **2** lights up.



b) Activating the adaptation filter for larger distances to a rear wall:

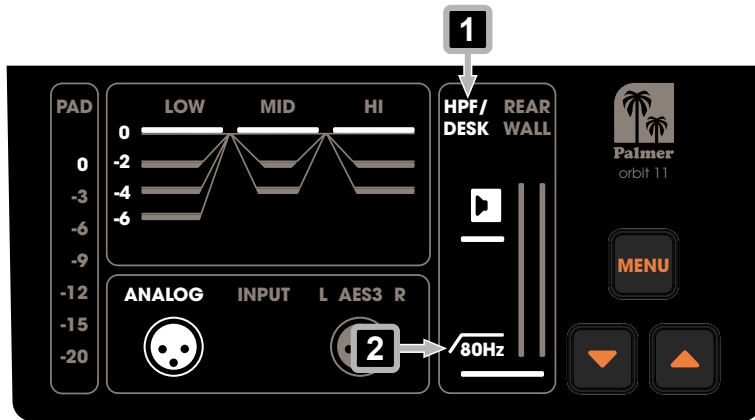
Press **▲** or **▼** until the right wall symbol line **3** lights up.

c) Deactivating the adaptation filter:

Press **▲** or **▼** until both wall symbol lines do not light up.

8.5.3.3 ACTIVATING THE HIGH-PASS FILTER (HPF)

Activate the high-pass filter (**HPF**) as required to attenuate low-frequency room modes, minimize unwanted acoustic excitation, or when using an external sub-woofer.



- 1 Press **MENU** until **HPF/DESK** **1** lights up.
- 2 Press ▼ or ▲ until the high-pass filter symbol **2** lights up.

8.5.4 SETTING THE INPUT SOURCE

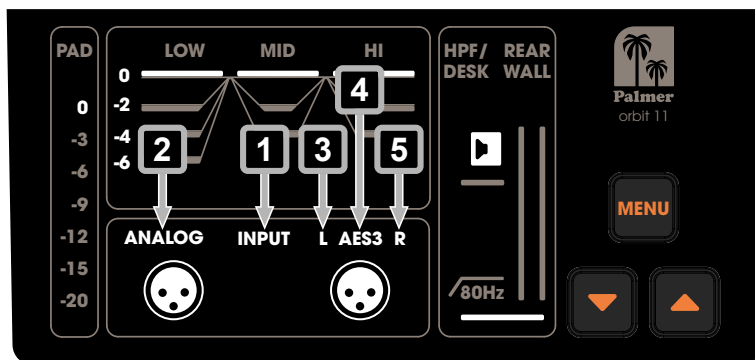
- 1 Press **MENU** until **INPUT** **1** lights up.

a) Analogue input:

Press ▼ or ▲ until **ANALOG** **2** lights up.

b) Left channel of the AES3 input:

Press ▼ or ▲ until **L** **3** and **AES3** **4** light up.



c) Right channel of the AES3 input:

Press ▼ or ▲ until **R** **5** and **AES3** **4** light up.

d) Both channels of the AES3 input (Mono summing):

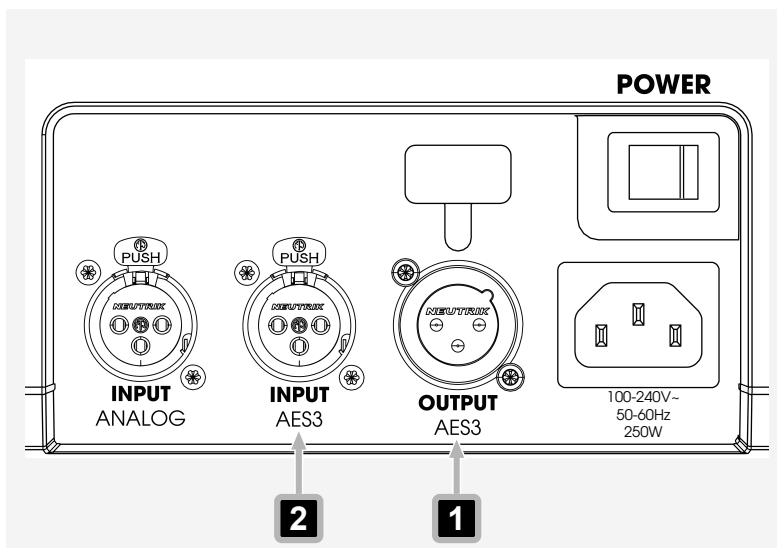
Press ▼ or ▲ until **L** **3**, **AES3** **4**, and **R** **5** light up.

8.6 OUTPUT CONNECTIONS

8.6.1 CONNECTING A SECOND ORBIT 11 VIA AES3 OUTPUT



The **AES3 OUTPUT** passes on the signal connected to the **AES3 INPUT**.



1 Connect the **AES3 OUTPUT 1** to the **AES3 INPUT 2** of a second **ORBIT 11** using a 3-pin AES3 compatible XLR cable.

⇒ Both **ORBIT 11** receive the same digital AES3 signal.

9 MAINTENANCE

9.1 PRODUCT MAINTENANCE

**CAUTION**

Mains Voltage

Risk of electric shock

- a. Before you perform maintenance work on the device, disconnect the device from all poles.

**NOTICE**

Damage to the device and void of warranty

- a. Do not use cleaning agents, disinfectants, alcohol, or agents with abrasive effect for cleaning.

Carry out the maintenance measures listed below on a regular basis. The frequency of cleaning depends on the environment in which you use the product. Damp or dirty environments may cause increased soiling and wear.

VISUAL INSPECTION

Check the following points before operating the device.

- **⚠ WARNING! Risk of electric shock.** Check mains power cables for damage or material fatigue.
- Check all air inlets and outlets for damage, dust, or dirt deposits.
- Check all outside screws and covers for corrosion, damage or excessive wear.
- Check all connectors and rubber sealing caps for damage, dust, or dirt deposits.
- **⚠ WARNING! Risk of falling objects.** Check that all screws, fasteners, and rigging points are securely tightened.

CLEANING

- Clean the surface with a clean and damp lint-free cotton cloth. Wipe off all excess moisture.
- **📢 NOTICE! Do not use compressed air.** Clean any air inlets and outlets of dust and dirt deposits with a clean and damp lint-free cotton cloth.
- Clean all plug contacts from dust and dirt with a dry lint-free cotton cloth.

9.2 STORING THE DEVICE

Store the device only in a dry and clean environment. If you are storing the individual components of the device, use special protective covers, bags, and cases. Find such accessories for your product in the Adam Hall Shop (<https://www.adamhall.com/shop>).

9.3 TROUBLESHOOTING

| Problem | Cause | Solution |
|--|---|--|
| Analogue input signal distorted | Defective device connected to the input | Test with another device whether the problem persists. |
| | Cable defective | Test with another cable whether the problem persists. |
| Main limiter is active (Front LED red) | Input volume is too loud | Reduce the volume of the input device. |
| | | Increase the attenuation value of the PAD . |
| No signal via the AES3 INPUT | Cable unsuitable for AES3 transmission | Use a cable that complies with the AES3 standard. |
| | Cable defective | Test with another AES3 cable whether the problem persists. |
| | Sample rate of AES3 input source too high | The AES3 input supports sample rates up to 96 kHz. |

10 REPAIR



CAUTION

Do not repair the device.

- a. Repairs may only be carried out by specialist personnel authorised by the manufacturer.
 - b. If your device is damaged or requires service, contact the Adam Hall Customer Service.
-

11 DISPOSAL

11.1 PACKAGING DISPOSAL



1. You can feed the packaging into the reusable material cycle using the usual disposal methods.
2. Separate the packaging in accordance with the applicable disposal laws and recycling regulations in your country

11.2 DEVICE DISPOSAL



1. This device is subject to the European Directive on Waste Electrical and Electronic Equipment, as amended. WEEE Directive Waste Electrical and Electronic Equipment. Old appliances do not belong in the household waste. The old device must be disposed of via an approved disposal company or a municipal disposal facility. Observe the applicable regulations in your country.
2. Observe all disposal laws applicable in your country.
3. As a private customer, you can obtain information on environmentally friendly disposal options from the seller of the product or the appropriate regional authorities.

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