



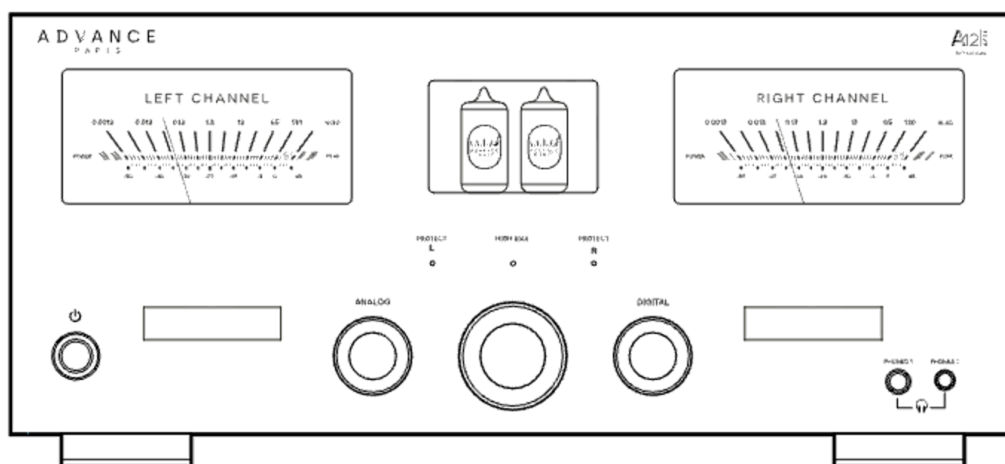
A12 | APEX

30TH EDITION

HYBRID INTEGRATED AMPLIFIER

USER MANUAL

version 4 – October 2026



User manual

The Advance Paris team warmly thanks you for choosing an A12 APEX amplifier.

The instructions in this manual apply to A12 APEX amplifiers updated with internal software version **MCU V1.6**. This update is also important for the A-BTC to work. See "Update", page [57](#).

To get the most out of its performance and ensure optimal operation, please read this user manual carefully before using the product for the first time.

Table of contents

IN THE BOX

Box contents	4
--------------------	---

DESCRIPTION

Front panel	6
Rear panel	7
Remote control	8

CONNECTIONS

Important	10
Speakers	11
Subwoofer	14
Television	15
Home cinema system	16
Turntable	18
Sources	19
Computer	20
Bluetooth	21
Recording device	22
Wired headphones	23
External amplifier	24
Simultaneous power-on	25
Power cord	26

USE

Switching on	28
Start-up	29
Source selection	30
Volume adjustment	31
Mute	32
Bluetooth devices	33
Bluetooth headphones	34
Television as a source	35
APEX as a power amplifier	36
Turntable	37

SETTINGS

Settings menu (remote control)	39
Settings menu (multifunction knob)	40
Speaker output (A / B)	41
Subwoofer output	42
Speakers and Bluetooth headphones	43
Bluetooth output setting with the A-BTC	44
Display brightness	45
Auto standby mode	46
Tone and balance	47
Loudness	48
Power-on volume	49
Standby button	50
Capacitance	51
Cartridge type	52
HDMI CEC control	53
High-Bias	54
Factory reset	55

UPDATE / FAQ

Update	57
Formatting the USB stick in FAT	58
Unzipping the file	59
Frequently asked questions	60

APPENDICES

Glossary	62
Dimensions and weight	65
Technical specifications	66

Box contents

When you open the packaging, check that all the items below are present. If anything is missing, contact your dealer.

A12 APEX amplifier

The unit itself, 30th Edition.

REM-19 remote control

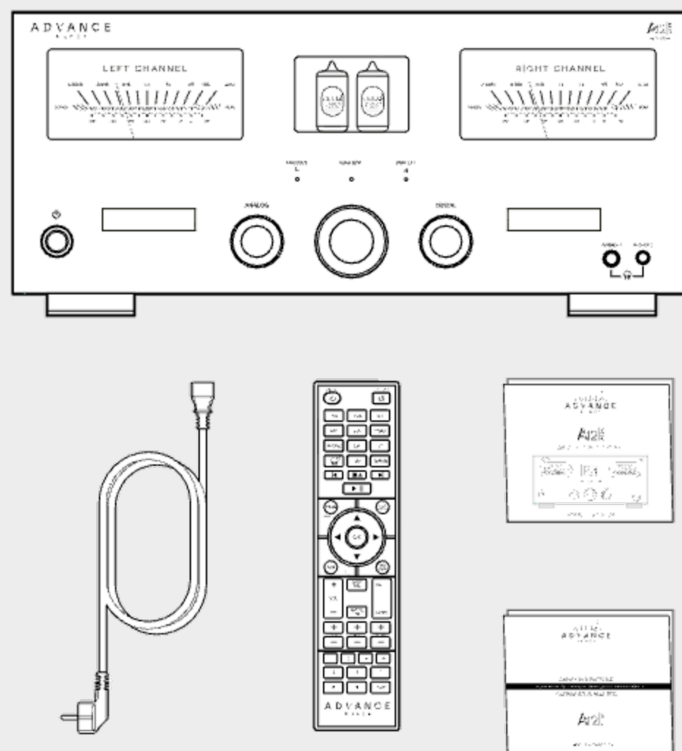
Infrared, compatible with A12 APEX and ACD APEX. AAA batteries not included.

Power cord

Connect after checking the voltage.

Quick start guide

Quickstart and safety instructions.

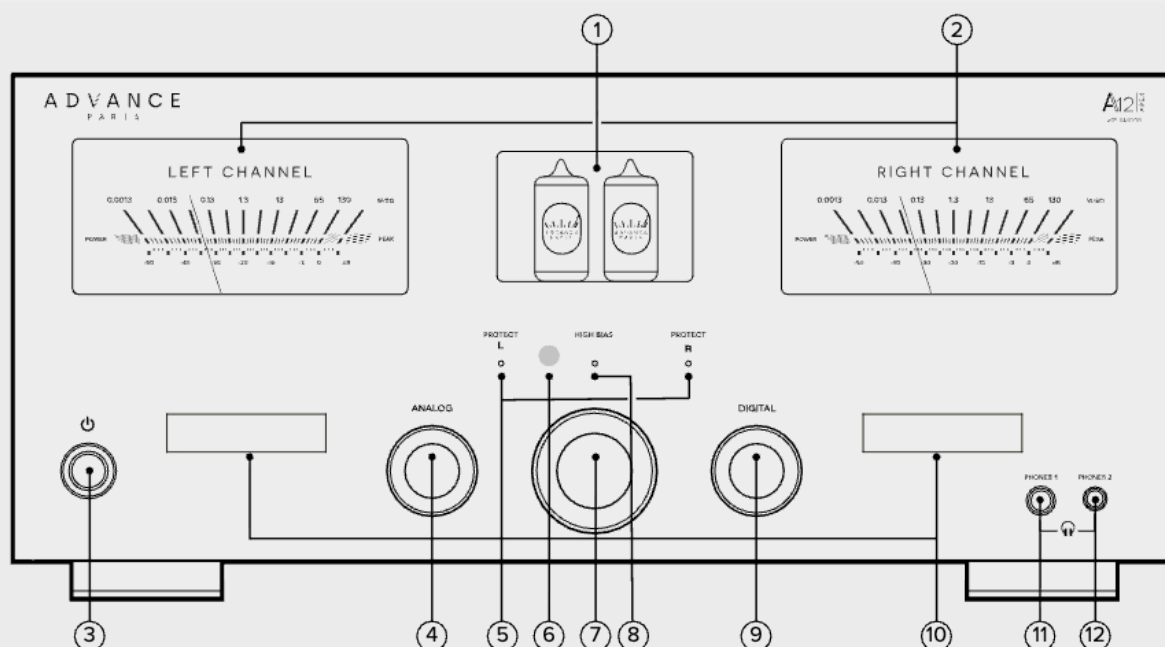


Description

Front panel	6
Rear panel	7
Remote control	8

Front panel

Always install your hi-fi system with all devices unplugged from the mains.



KEY

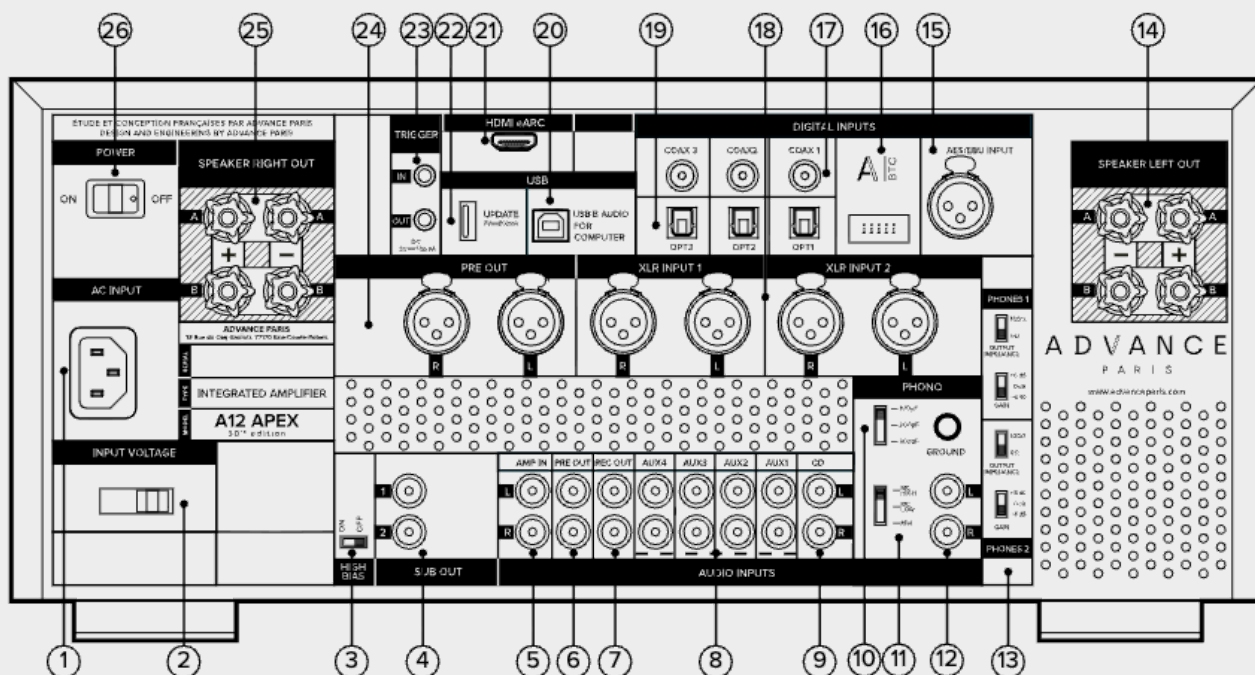
- | | | | |
|----|---|----|--|
| 1 | Tubes | 2 | Multifunction knob (Volume / Settings) |
| 3 | VU meter | 4 | High-Bias |
| 5 | Standby button | 6 | Digital inputs button |
| 7 | Analogue inputs button | 8 | Display |
| 9 | Protection LEDs (Protect L and Protect R) | 10 | 6.35 mm headphone jack |
| 11 | Infrared receiver | 12 | 3.5 mm headphone jack |

Pressing the multifunction knob for more than one second opens the settings menus.

Turning the multifunction knob scrolls through the menu entries.

A short press enters a setting; a long press returns to the previous level.

Rear panel

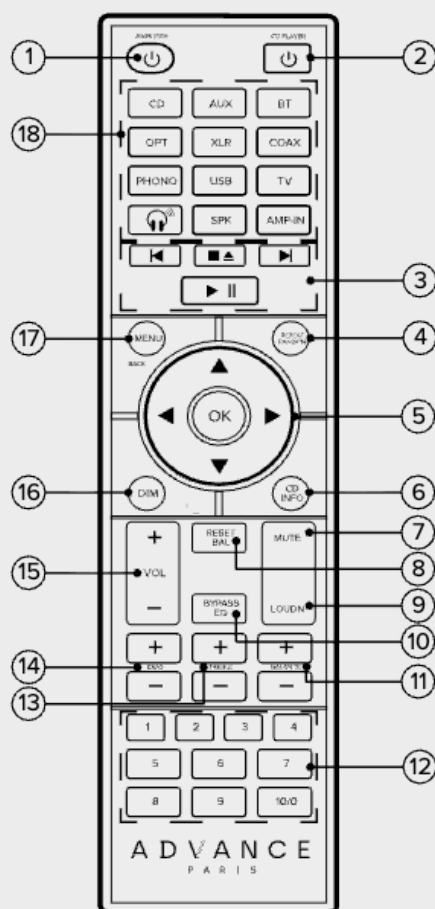


KEY

- | | | | |
|----|-------------------------------|----|------------------------------|
| 1 | Mains socket | 2 | Cartridge type setting |
| 3 | AES/EBU input | 4 | Voltage selector (115-230 V) |
| 5 | MM/MC Phono input with ground | 6 | A-BTC input |
| 7 | High-Bias setting | 8 | Headphone setting |
| 9 | Coaxial digital inputs (×3) | 10 | Subwoofer outputs (×2) |
| 11 | Left speaker terminals | 12 | XLR inputs (×2) |
| 13 | AMP-IN input | 14 | Optical digital inputs (×3) |
| 15 | USB port for computer | 16 | PRE-OUT RCA output |
| 17 | HDMI eARC | 18 | USB update port |
| 19 | REC-OUT output | 20 | Trigger IN / OUT |
| 21 | PRE-OUT XLR output | 22 | AUX inputs (×4) |
| 23 | Right speaker terminals | 24 | Mains switch |
| 25 | CD input | 26 | Capacitance setting (MM) |

Remote control

REM-19



KEY

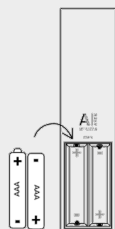
- 1 On / off
- 5 OK = select · Arrows = previous / next
- 7 Mute
- 8 Balance reset
- 9 Loudness
- 10 EQ bypass
- 11 Balance adjustment
- 13 Treble adjustment
- 14 Bass adjustment
- 15 Volume adjustment
- 16 Brightness adjustment
- 17 Menu
- 18 Source selection area

2 · 3 · 4 · 6 · 12 — buttons specific to the ACD APEX CD player

Range. About 6 m, within an angle of 30° on each side. The infrared receiver is located halfway between the volume knob and the display.

BATTERIES

Open the rear compartment and insert two AAA batteries, observing the polarity. Batteries are not included.



PRECAUTIONS

Do not mix new and used batteries or different types of batteries. Remove them if the remote control will not be used for a long time. If a battery leaks, clean the compartment before inserting new ones.

Connections

Important – read before making any connection	10
Speakers	11
Subwoofer	14
Television	15
Home cinema	16
Turntable	18
Sources	19
Computer	20
Bluetooth	21
Recording device	22
Wired headphones	23
External amplifier	24
Simultaneous power-on	25
Power cord	26

Important

READ BEFORE MAKING ANY CONNECTION

! Check that the operating voltage is correctly set on the rear panel of your amplifier and matches the voltage in your country.

! Please connect all your sources **BEFORE** plugging the amplifier into the mains.

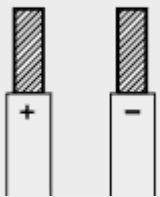
! Connecting sources while your amplifier is switched on can expose your speakers to a loud noise and cause your drivers to fail.

Speakers

CABLE PREPARATION

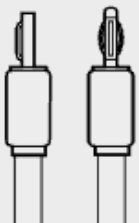
The terminals of your APEX amplifier accept bare wire, spade connectors and banana plugs.

Always install your system with all devices unplugged from the mains. Connecting a source while the amplifier is on can expose your speakers to a loud noise and cause the drivers to fail.



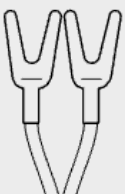
Bare wire

Strip 1 cm of insulation. Unscrew the terminal until the hole through its shaft appears, insert the conductor, then check that no copper strand touches the neighbouring terminal.



Banana plug

Remove the red or black cap from the centre of the terminal, then push the plug fully in.



Spade

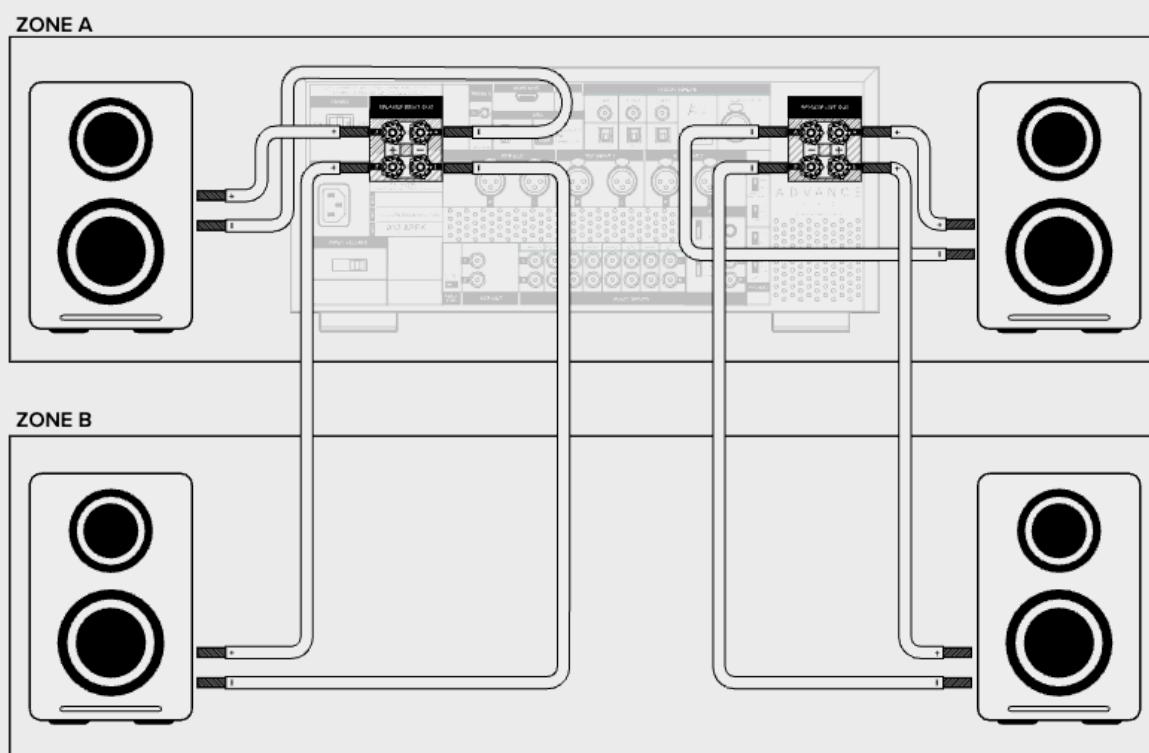
Loosen the terminal, slide the spade around its shaft, then tighten firmly by hand.

Speakers

OUTPUTS A AND B

Your amplifier can handle two different zones: Output A and Output B. These outputs carry the same signal. You can activate output A, output B, or both at the same time.

When using both outputs at the same time, make sure you connect speakers with an impedance of **at least 8 ohms**.



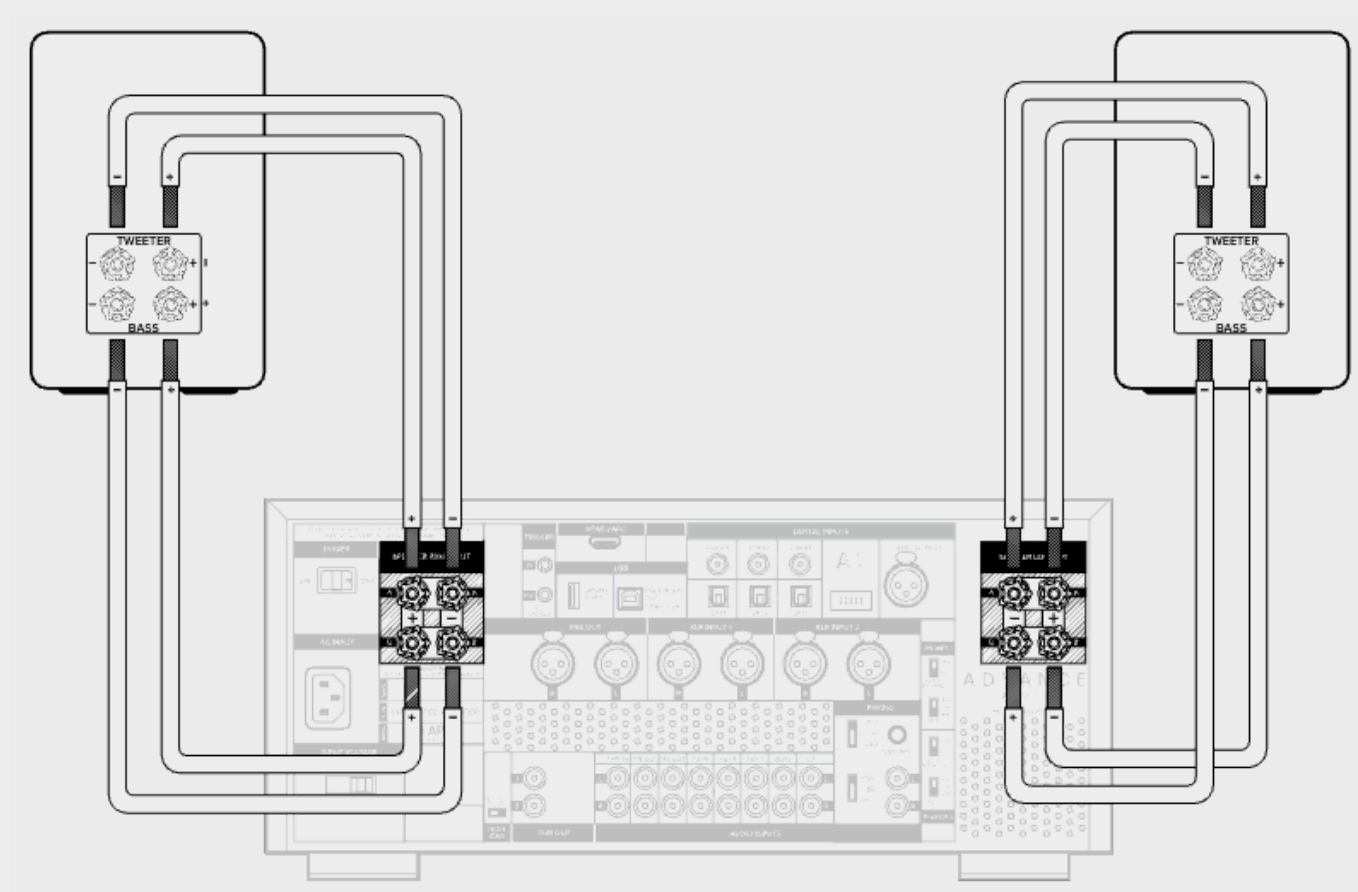
See "Settings" for speaker output configuration, page [41](#).

Speakers

BI-WIRING CONNECTION

Some speakers can be bi-wired. You can do this by doubling the cables between your APEX amplifier and your speakers.

To do so, double the connections on terminal A — or terminal B — or use outputs A and B. You must also remove the jumpers on your speakers' terminals; refer to their manual.



See "Settings" for speaker output configuration, page [41](#).

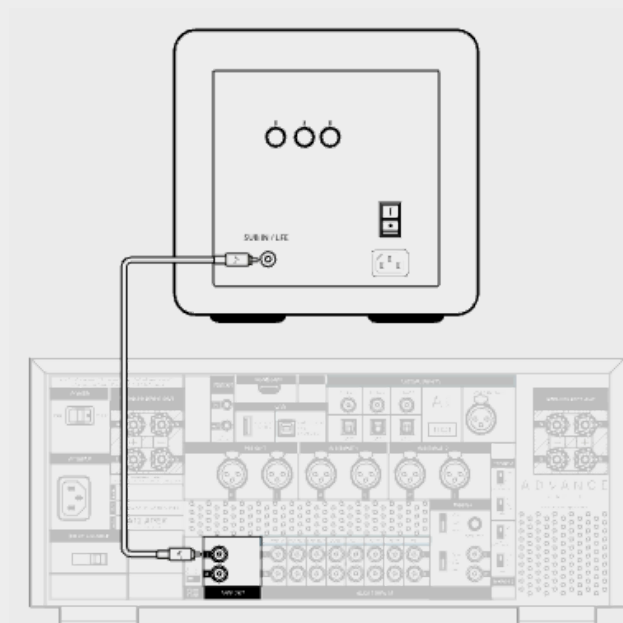
Subwoofer

SUBWOOFER CONNECTION

Your APEX amplifier has a dual subwoofer output. You can connect one or two subwoofers.

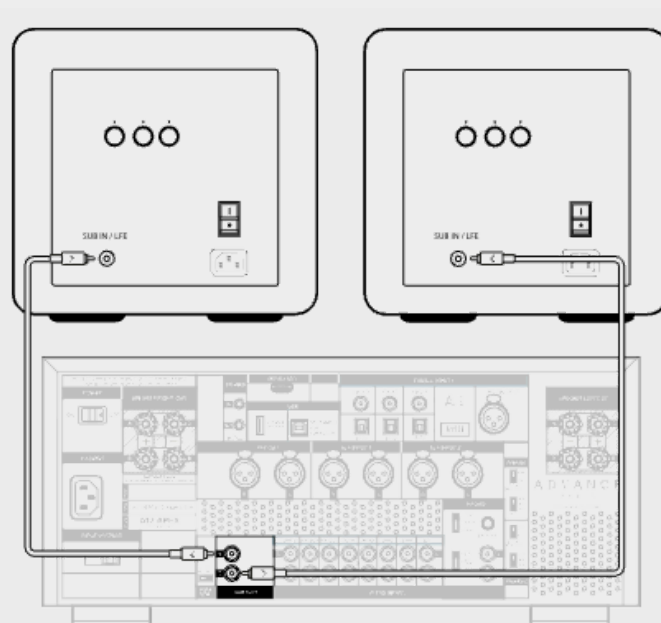
One subwoofer

Use either output, 1 or 2. Your amplifier must be set to MONO mode in the settings menu.



Two subwoofers

Can be used in MONO or STEREO. Output 1 corresponds to the left side, output 2 to the right side.



See "Settings" for subwoofer output configuration, page [42](#).

Television

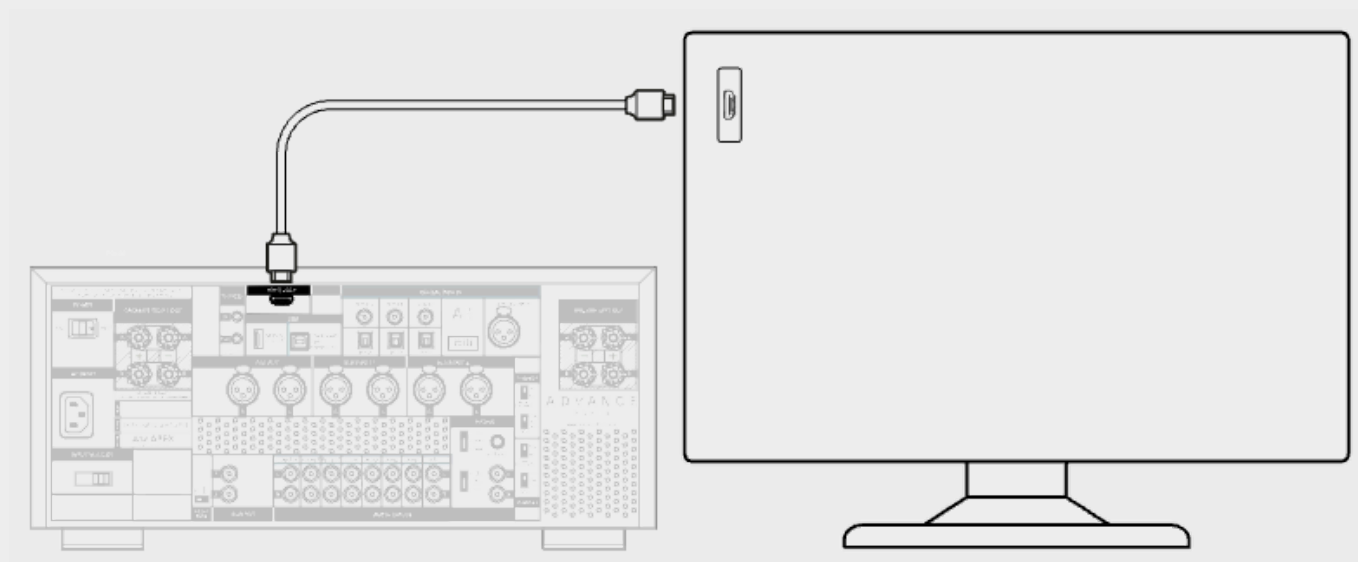
HDMI EARC SOCKET

Your APEX amplifier greatly improves your sound experience by letting you use your speakers instead of your television's built-in speakers.

Simply connect an HDMI cable between your APEX amplifier and the HDMI ARC – or eARC – socket of your television. You can then use the television remote alone to control power-on, standby and the amplifier volume.

Stereo signal only. The APEX amplifier is not compatible with multichannel signals.

Changing input. If you change input on the amplifier, it will no longer respond to commands sent by the television.

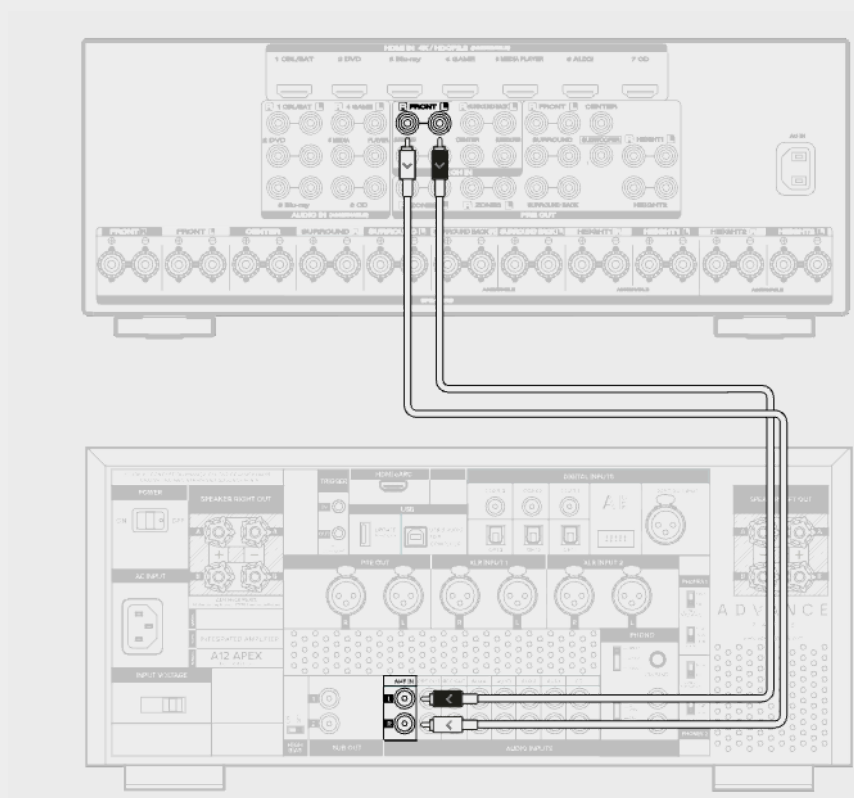


Home cinema

AMP-IN SOCKET

To use your APEX amplifier as a power amplifier with your home cinema amplifier, connect them using the AMP-IN sockets on the rear panel. This connection lets the home cinema take control of the front speaker amplification while benefiting from the audio quality of the APEX.

Connect the front PRE-OUT outputs – Front L/R – of your home cinema amplifier to the AMP-IN inputs of the APEX amplifier, using an RCA cable.

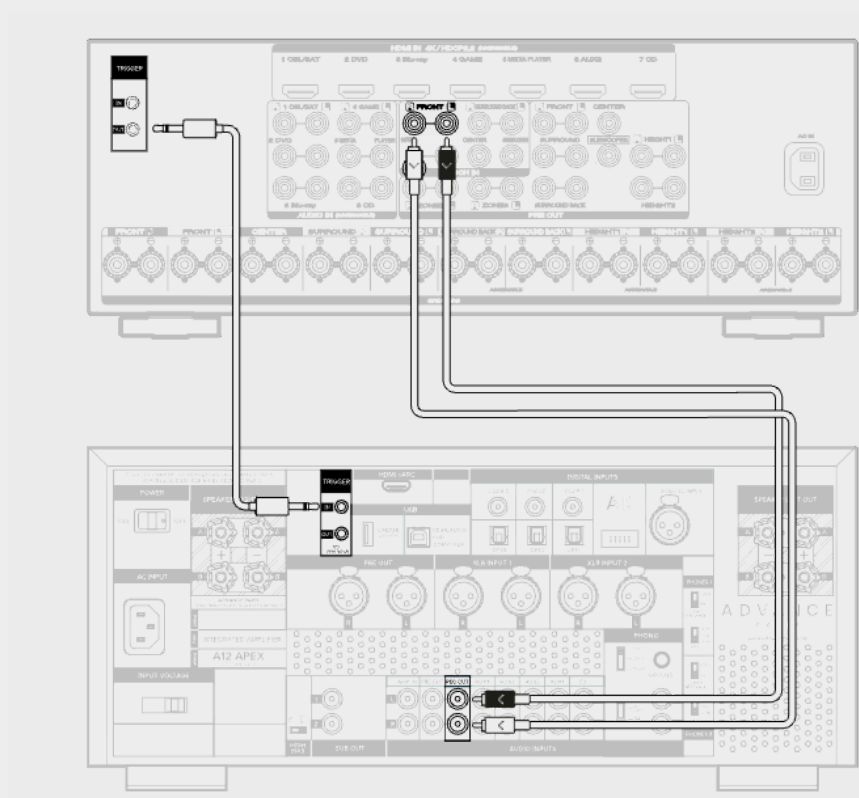


Home cinema

TRIGGER IN SOCKET

When you use your APEX amplifier as a power amplifier connected to a home cinema amplifier, you can automate its power-on and standby with a mono 3.5 mm jack cable — not supplied — between the Trigger sockets of the two devices.

Use the **Trigger IN** socket on the APEX amplifier and the **Trigger OUT** socket on the home cinema amplifier. First check that the latter has this socket; refer to its manual.



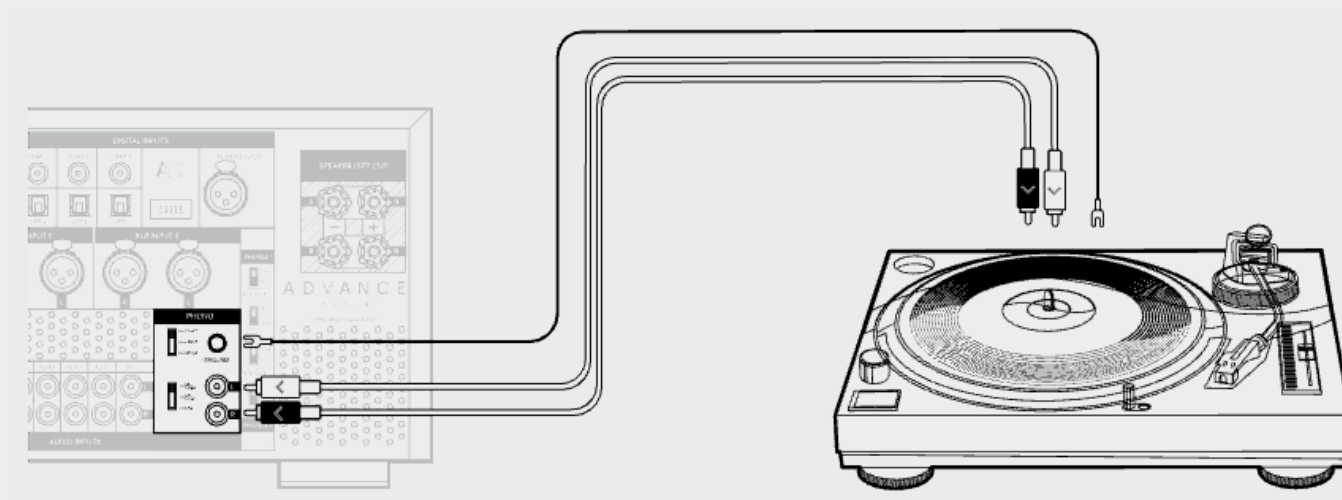
Turntable

PHONO SOCKET

To get the most out of your turntable, connect it directly to the Phono input of your APEX amplifier. This input is specially designed for moving magnet (MM) and moving coil (MC) cartridges. It includes the RIAA preamplifier needed to play records correctly.

Connect the ground wire of your turntable to the GROUND terminal of the amplifier to eliminate any hum.

Make the connections with the amplifier switched off. Connecting sources while the amplifier is on can expose your speakers to a loud noise and cause the drivers to fail.



See "Settings" for MM / MC Phono input settings, pages [50](#) and [51](#).

Sources

Analogue inputs

RCA — line level, four AUX inputs and one CD input.

XLR — two balanced inputs.

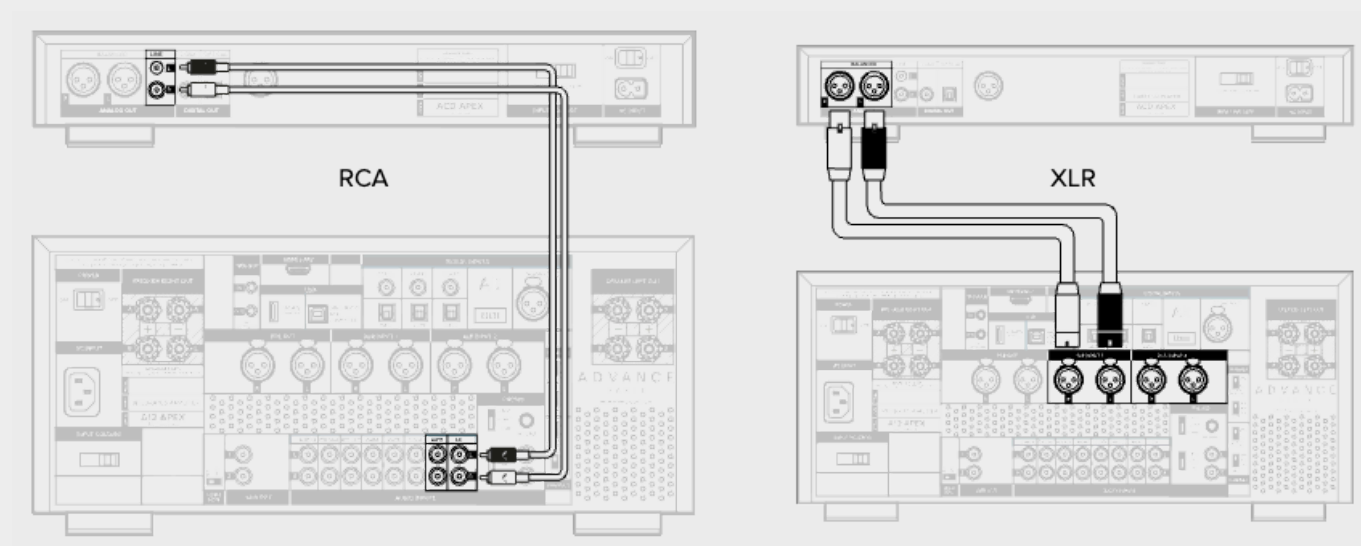
Digital inputs

Optical — three Toslink inputs.

Coaxial — three inputs.

AES-EBU — one input.

Do not connect any source to the AMP-IN input. You would risk a very high sound level on your speakers and possible failure.

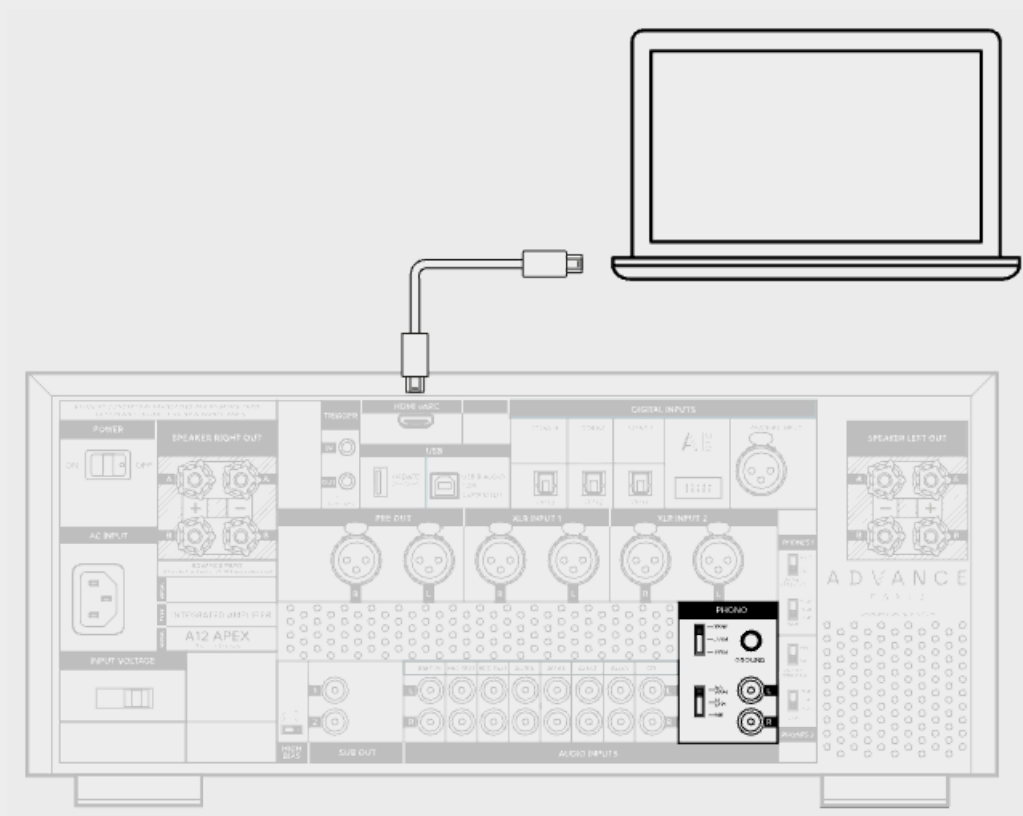


Computer

USB TYPE B INPUT

Compatible with Apple OS and Windows 10-11, with no driver to install. USB 2.0 specification up to 24 bit / 192 kHz. Compatible with DSD 64, 128 and 256.

Select the Advance Paris audio output on your computer, in the sound card settings.



Bluetooth

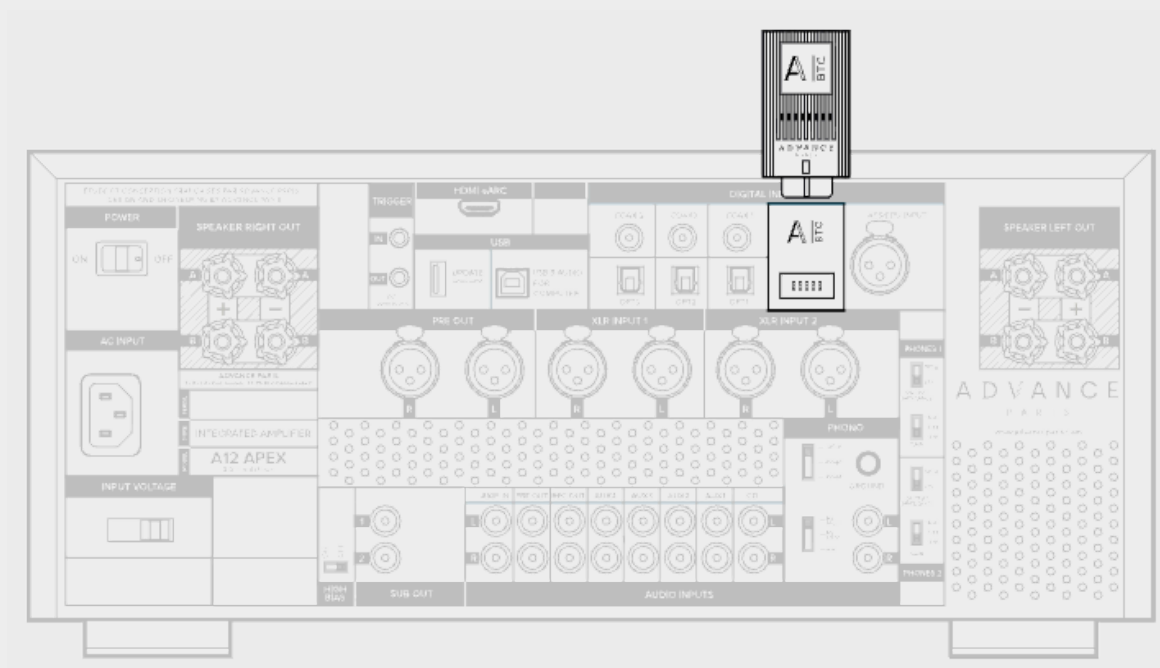
A-BTC AUDIO INPUT

To connect a Bluetooth source or Bluetooth headphones to your APEX amplifier, you need the Advance Paris A-BTC module, available as an option. The A-BTC plugs into the dedicated socket on the rear panel.

The same module can also send the sound to Bluetooth headphones.

Insert the A-BTC with the amplifier switched off, mains switch set to OFF.

The A-BTC is LDAC compatible: the MCU V1.6 update of the A12 APEX is required for this protocol to be displayed correctly on the screen. See “Update”, page [57](#).

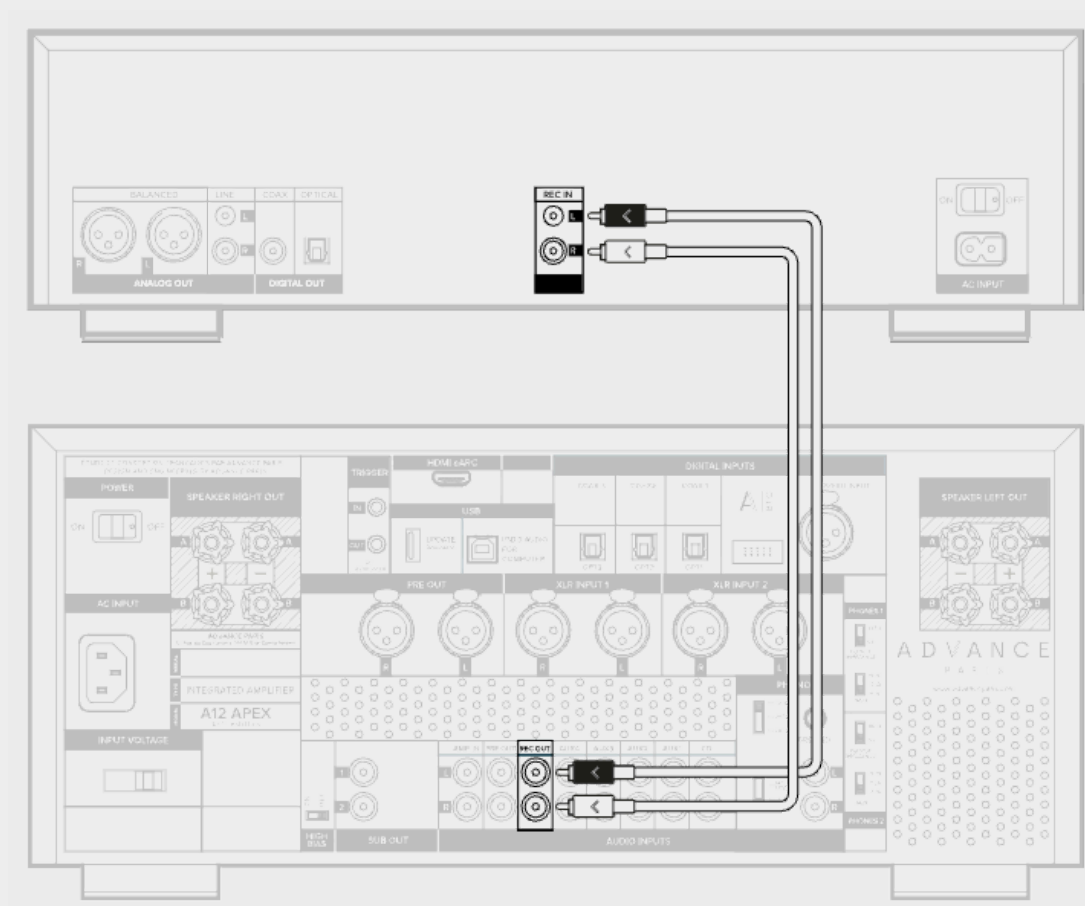


See “Use” for more details, pages [33](#) and [34](#).

Recording device

REC-OUT SOCKET

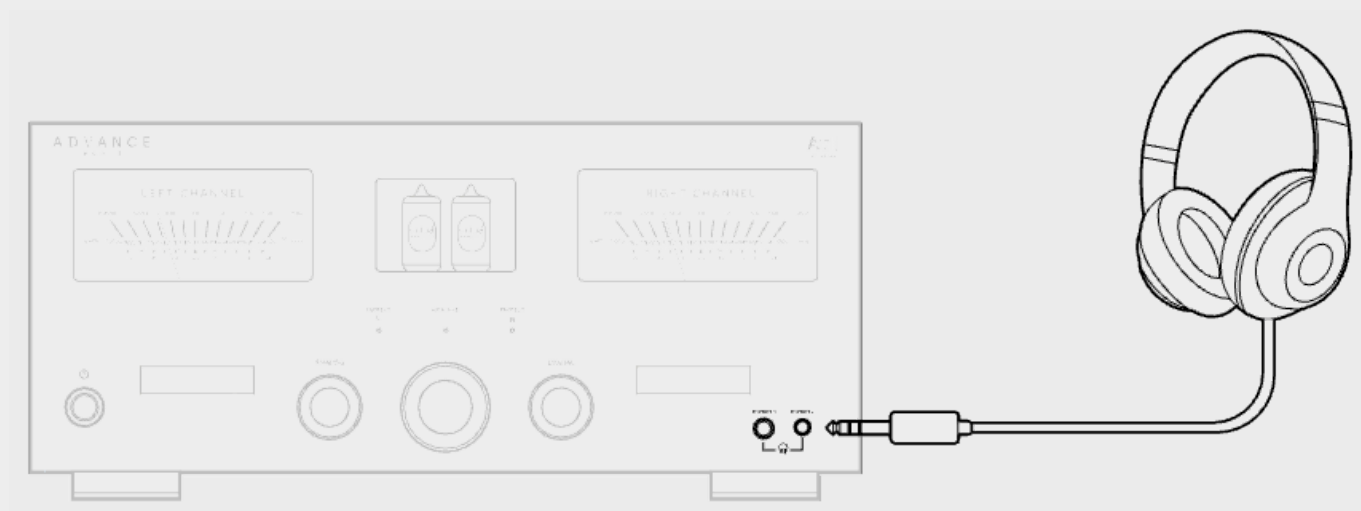
You can connect a recorder to the REC-OUT socket on the rear panel. This output delivers the signal of the selected source at a fixed level, regardless of the amplifier volume.



Wired headphones

Plug your wired headphones into the 6.35 mm or 3.5 mm sockets on the front of the APEX amplifier.

The speaker outputs are automatically muted when headphones are plugged into the front panel.



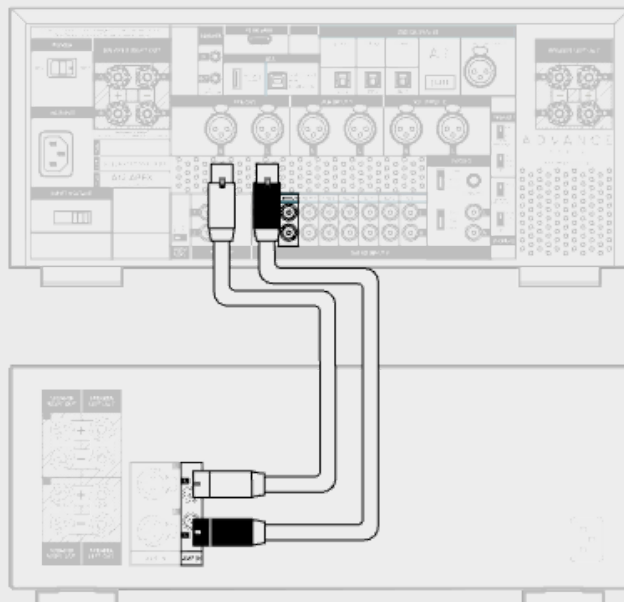
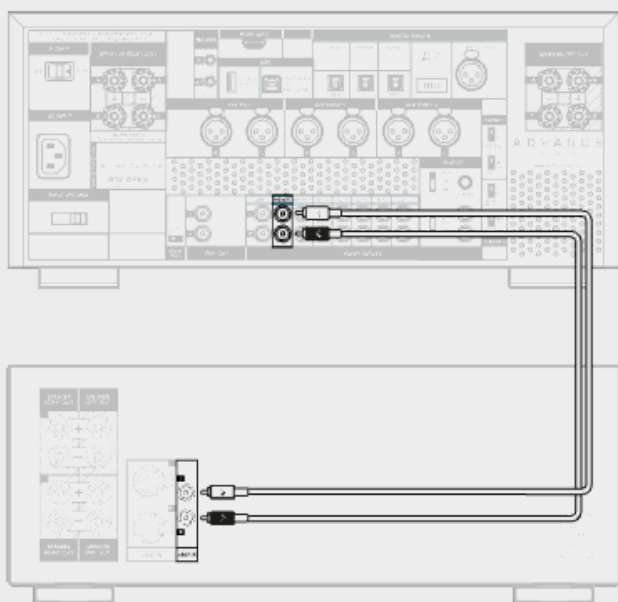
External amplifier

PRE-OUT SOCKET

You can connect a mono or stereo power amplifier to your APEX amplifier, for more power or a better match with your speakers.

Connect the PRE-OUT outputs of your APEX amplifier to the inputs of your power amplifier, using an RCA or XLR cable.

Your speakers will then be connected to the external power amplifier, not to the APEX amplifier.

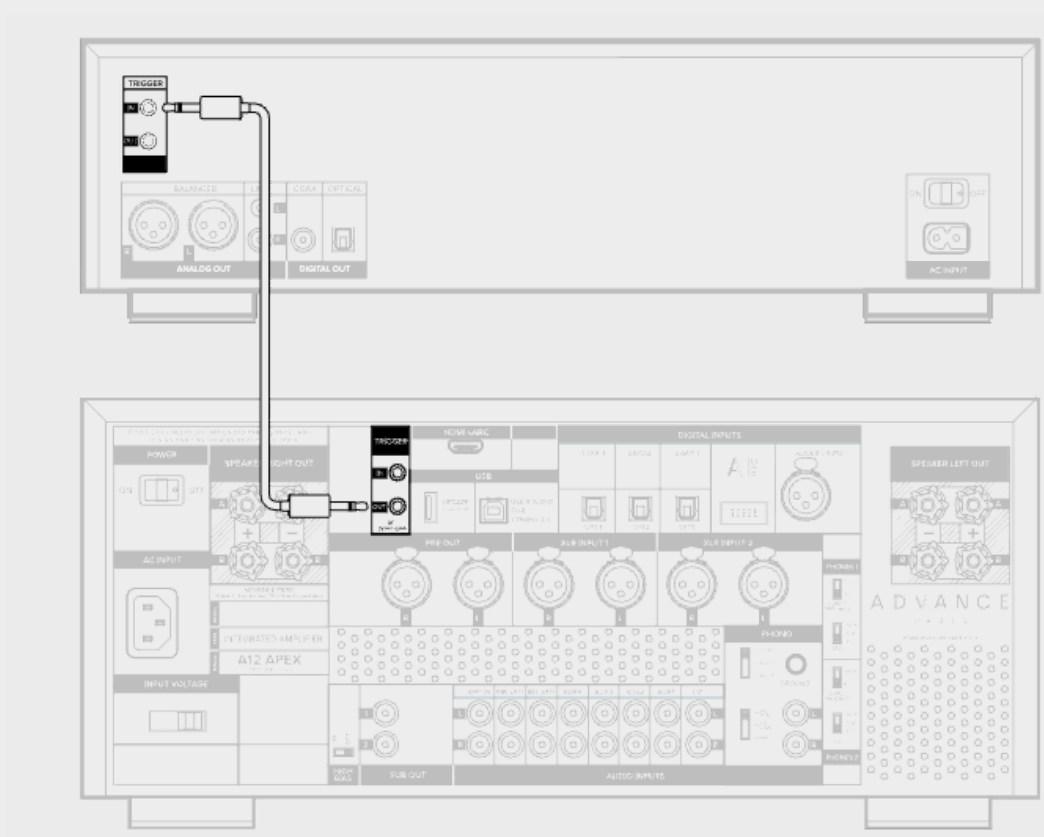


Simultaneous power-on

TRIGGER OUT SOCKET

You can switch on a third-party product when your APEX amplifier is switched on. This product must have a Trigger IN socket.

Connect a mono 3.5 mm jack cable — not supplied — between the Trigger OUT socket of the APEX amplifier and the Trigger IN socket of your third-party product.



Power cord

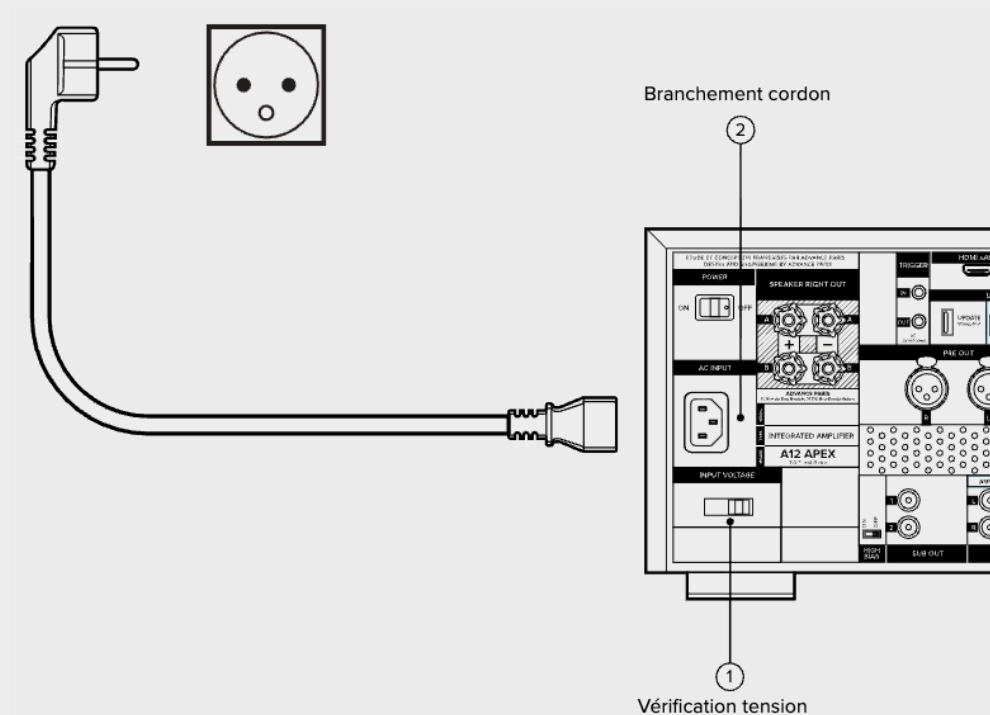
1 Voltage check

Check that the operating voltage is correctly set on the rear panel and matches the voltage in your country.

2 Connecting the cord

Connect the power cord to the unit's mains socket, then to your wall socket.

Connect all your sources before plugging the amplifier into the mains. Connecting sources while the amplifier is on can expose your speakers to a loud noise and cause the drivers to fail.



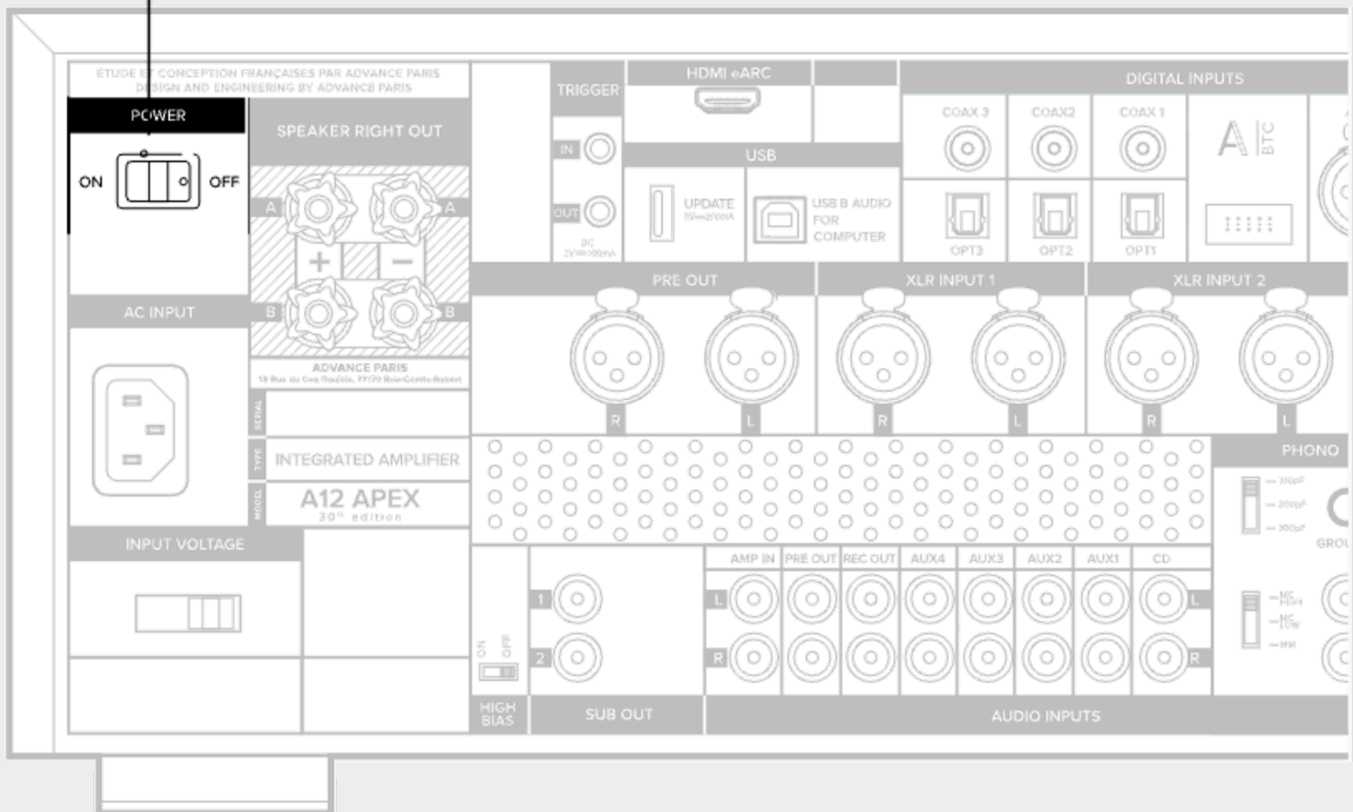
Use

Switching on	28
Start-up	29
Input source selection	30
Volume adjustment	31
Mute	32
Devices connected via Bluetooth	33
Bluetooth headphones	34
Television as an audio source	35
APEX as a power amplifier	36
Turntable	37

Switching on

SWITCH ON THE REAR

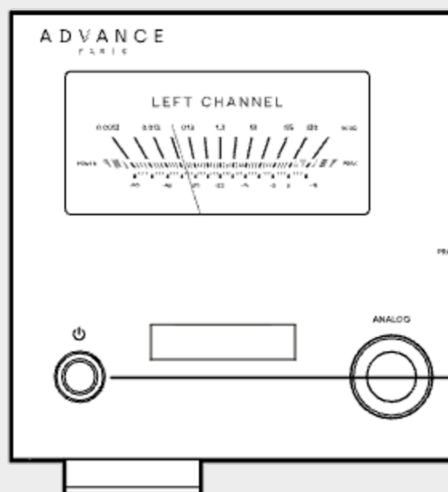
To use your APEX amplifier, you must set the mains switch on the rear panel to ON.



Start-up

FRONT BUTTON OR REMOTE CONTROL

Warm-up. Your APEX amplifier uses audio tubes. A 30-second warm-up period is required; during this time, the amplifier produces no sound.



To switch on your APEX amplifier, use the standby button on the remote control or the standby button on the front of the APEX amplifier.



Source selection

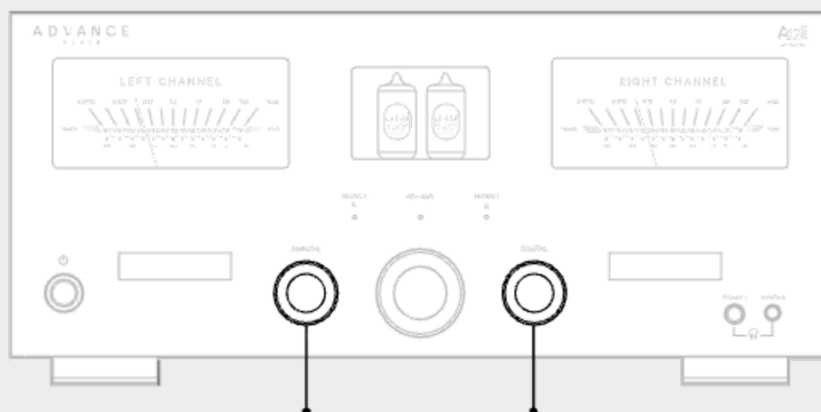
REMOTE CONTROL OR MULTIFUNCTION KNOB

Your APEX amplifier has many inputs on its rear panel.



Once your sources are connected, you can select them with the remote control.

You can also use the ANALOG or DIGITAL buttons.



The ANALOG button selects the analogue inputs: CD, AUX (1-4), XLR (1-2) and Phono.

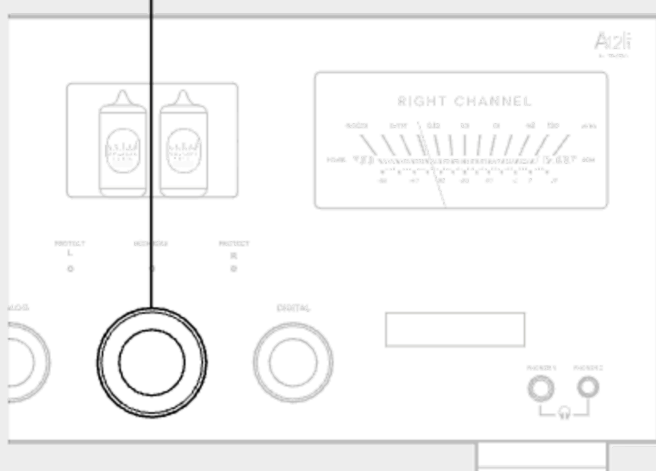
The DIGITAL button selects the digital inputs: OPT (1-3), Coax (1-3), AES-EBU, HDMI eARC, Bluetooth (A-BTC), USB audio (computer).

The input choice is confirmed automatically after three seconds, or immediately by pressing the ANALOG or DIGITAL button.

Volume adjustment

FRONT BUTTON OR REMOTE CONTROL

You can change the volume by turning the multifunction knob on the front of your APEX amplifier. Turn it clockwise to increase the volume and anticlockwise to decrease it.



You can change the volume with the "Vol +" and "Vol -" buttons on the remote control. Holding these buttons down changes the volume quickly.



Mute

REMOTE CONTROL



Pressing the "MUTE" button on the remote control cuts the sound completely.

Pressing the "MUTE" button again restores the sound to its original level. You can also press the "Vol +" or "Vol -" buttons to cancel the "MUTE" function.

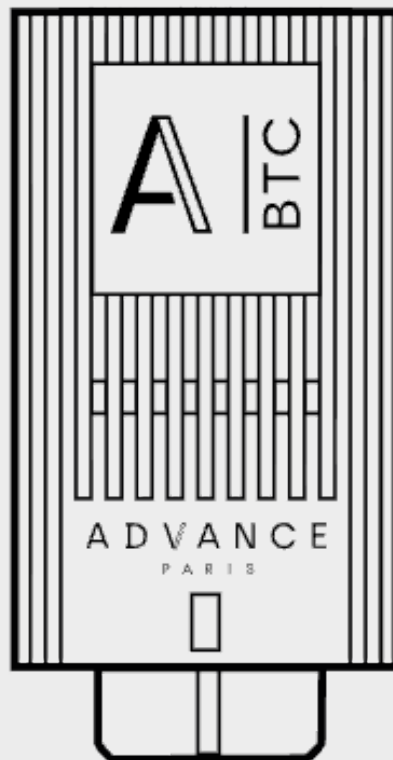
Bluetooth devices

WITH THE A-BTC MODULE

Switch on your APEX amplifier and select the Bluetooth input. Go to the Bluetooth settings of your source (phone, tablet, computer) and select the A-BTC.

You can now send music to your amplifier. First check that the volume of your Bluetooth source and of your amplifier is not set too high.

LDAC. The A-BTC is compatible with the LDAC protocol. For the LDAC protocol to be displayed correctly on the A12 APEX screen, your amplifier must be updated with internal software MCU V1.6. See “Update”, page [57](#).



Bluetooth headphones

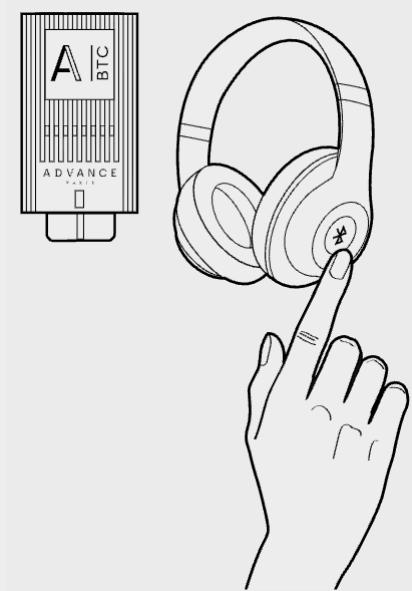
WITH THE A-BTC MODULE

With the Advance Paris A-BTC module (optional), your APEX amplifier can send the sound to Bluetooth headphones (not supplied), so you can listen to music without disturbing those around you. Both analogue and digital inputs can be sent to the headphones.

To activate this function, press the button with the headphone symbol on the remote control, then start the pairing procedure on your headphones (see the manufacturer's instructions). After 30 seconds, your headphones and the A-BTC connect.

Volume. It must be adjusted directly on the headphones. The remote control and the multifunction knob only change the speaker volume.

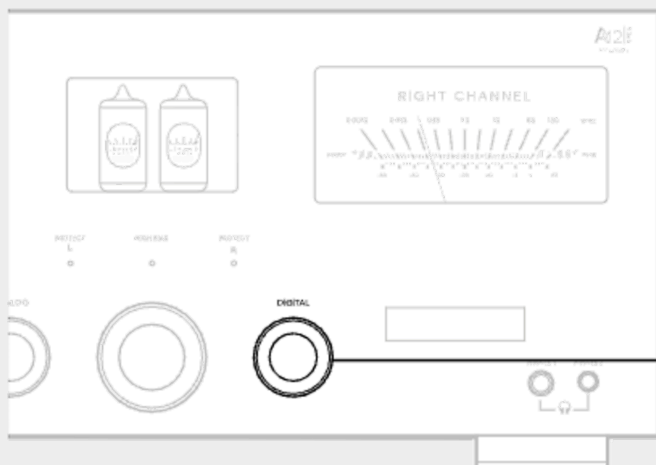
Limitation. You cannot send the Bluetooth input to Bluetooth headphones. In that case, connect your source directly to your headphones.



The speaker sound can be muted or kept while listening on headphones. See page [43](#).

Television as a source

FRONT BUTTON OR REMOTE CONTROL



Once the HDMI cable is connected between your APEX amplifier and the television, you can select the TV input with the remote control or with the DIGITAL button on the APEX amplifier (HDMI ARC input).

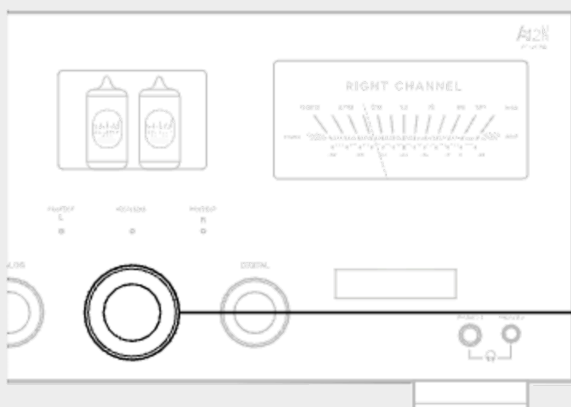


APEX as a power amplifier

Select the AMP-IN input on your stereo amplifier with the remote control.

Your home cinema amplifier will now manage the volume and sound balance of the front speakers during home cinema sessions.

Your installation is now ready. You enjoy the power and musical quality of your APEX amplifier while keeping the multichannel features of your home cinema amplifier.

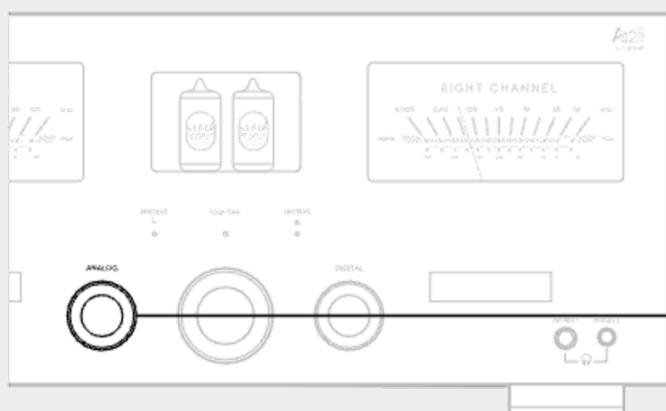


AMP-IN mode can also be activated from the settings menu of your APEX amplifier, in the following menu:

MENU / AMP IN / ON

We recommend running an acoustic calibration of the complete system with your home cinema amplifier's calibration procedure, to balance the level of all the speakers. Refer to your home cinema amplifier's manual.

Turntable



Select the Phono source on your APEX amplifier with the ANALOG button or the remote control (PHONO input).



Settings

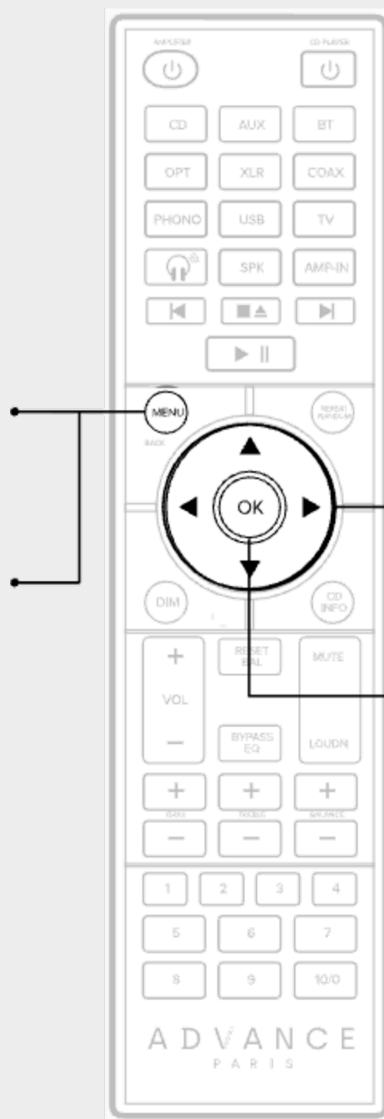
Settings menu (remote control)	39
Settings menu (multifunction knob)	40
Speaker output (A / B)	41
Subwoofer output	42
Speakers and Bluetooth headphones	43
Bluetooth output setting with the A-BTC	44
Display brightness	45
Auto standby mode	46
Tone and balance	47
Loudness	48
Power-on volume	49
Standby button	50
Capacitance (Phono input)	51
Cartridge type	52
HDMI CEC control	53
High-Bias	54
Factory reset	55

Settings menu

WITH THE REMOTE CONTROL

Pressing the “MENU” button on the remote control gives you access to the various settings menus of your APEX amplifier.

To return to the previous level, give the “MENU” button a short press.



The arrow buttons on the remote control let you move through the various settings menus of your APEX amplifier.

To enter a specific setting, give the central “OK” button a short press.

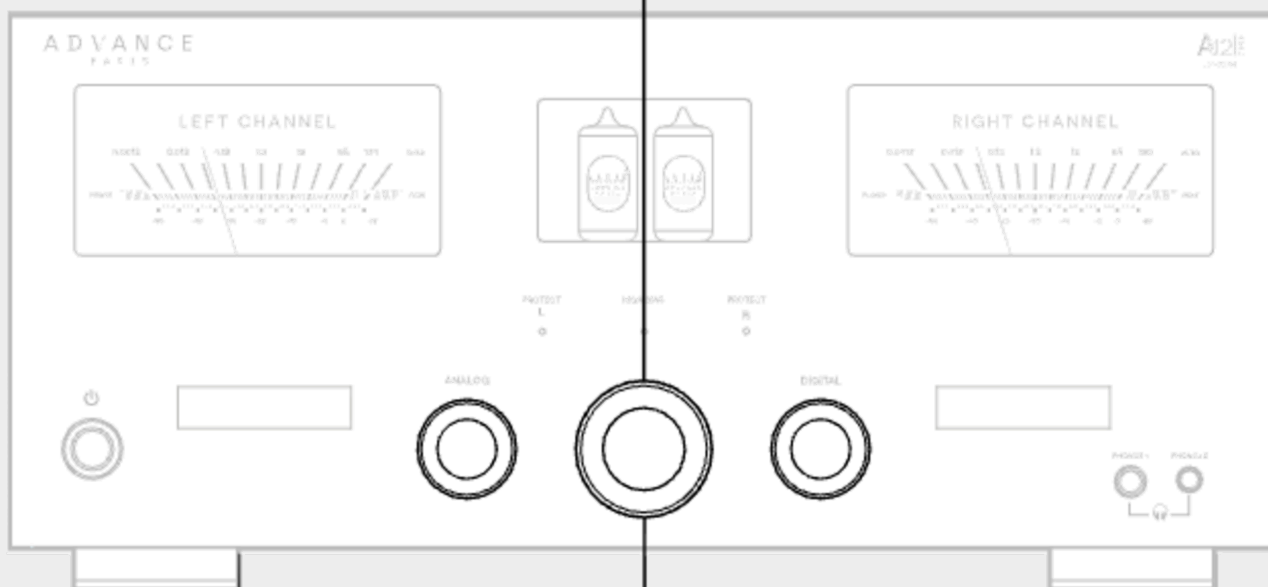
Settings menu

WITH THE MULTIFUNCTION KNOB

How do I access the settings menu with the multifunction knob?

Pressing the volume knob for more than one second gives you access to the various settings menus of your APEX amplifier.

Turning the multifunction knob scrolls through the entries of the settings menu.



To enter a specific setting, give the multifunction knob a short press.

To return to the previous level, give the multifunction knob a long press.

Speaker output (A / B)

To choose the speaker output you want to use, go to the following menu:

MENU / SPEAKER / SPEAKER A · SPEAKER B · SPEAKER A+B · SPEAKER OFF

This setting is stored in memory. You do not need to repeat it each time you switch on.

Subwoofer output

To configure the subwoofer output mode, go to the following menu:

MENU / SUB MODE / MONO · STEREO

Filtering

Both subwoofer outputs are low-pass filtered at 200 Hz, with a slope of 12 dB per octave and a Q factor of 0.7.

On the subwoofer

Volume and crossover frequency are adjusted on the rear panel of the subwoofer itself.

Speakers and Bluetooth headphones

PRODUCT DISPLAY

When using Bluetooth headphones, you can choose whether or not to mute the speakers. If you keep them on, the headphones and the speakers can have different volumes — useful when one listener needs a higher level.

MENU / BT OUT / SPK / SP MUTE · SP ON

SP MUTE

The speakers are muted while listening on Bluetooth headphones.

SP ON

The speakers remain active while listening on Bluetooth headphones.

When the speakers remain active, there will be a delay between the sound from the speakers and the sound sent to the Bluetooth headphones. See “Bluetooth output setting with the A-BTC”, page [44](#).

Bluetooth output setting with the A-BTC

PRODUCT DISPLAY

You can choose the protocol type for the Bluetooth output with the A-BTC.

MENU / BT OUT / BT PROT / HQ · LL

HQ · High Quality

Recommended for hi-fi listening.

LL · Low Latency

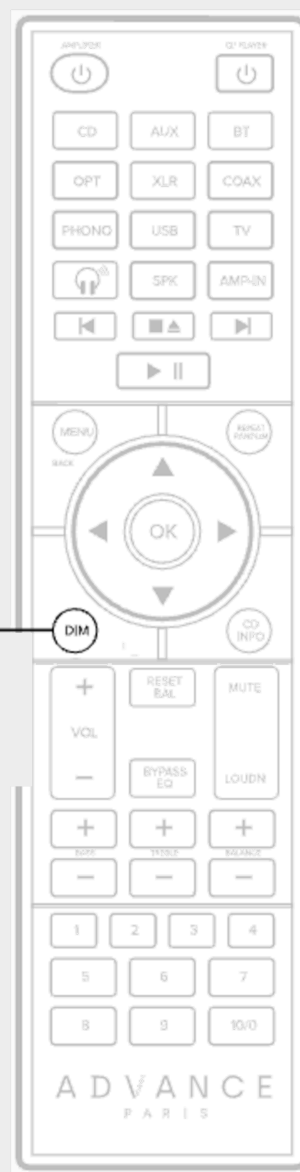
Recommended for listening with Low Latency compatible headphones and with the HDMI eARC input.

Bluetooth transmission always causes a delay. This delay can be reduced with the LL setting if your Bluetooth headphones support this protocol (Bluetooth Adaptive Low Latency).

Display brightness

DIM BUTTON ON THE REMOTE CONTROL

You can adjust the brightness of the VU meters and the display by pressing the DIM button several times.



The brightness of the buttons cannot be adjusted.

Auto standby mode

PRODUCT DISPLAY

MENU / APD SETTING

You can set your amplifier to switch off automatically after a certain time without a signal.

OFF

5 min

10

20

30

60

When set to OFF, your amplifier will never switch off by itself.

Tone and balance

REMOTE CONTROL / PRODUCT DISPLAY



MENU / TONE



The remote control gives you bass (Bass), treble (Treble) and balance (Balance) adjustments.

Bass

Bass adjustment.

Treble

Treble adjustment.

Balance

Balance adjustment.

Bypass EQ

REMOTE CONTROL ONLY

Switches your bass and treble settings on or off.

Reset Bal

REMOTE CONTROL ONLY

Returns the balance to the centre.



Loudness

REMOTE CONTROL / PRODUCT DISPLAY

MENU / TONE

On the remote control, the Loudness button switches the function on or off. Loudness compensates for the ear’s loss of sensitivity in the bass and treble when listening at low volume.

Your amplifier dynamically applies a correction to the bass and treble frequencies according to the listening volume, for the most natural tonal balance possible.

Low volume	Medium volume	High volume
Strong correction	Medium correction	No correction

Power-on volume

PRODUCT DISPLAY

MENU / VOL SET / ON · OFF

ON

The amplifier always starts at a specific volume that you define.

OFF

The amplifier starts at the same volume as when it was put into standby.

MENU / VOL SET / VOL DEF

Set the start-up volume here, when the previous step is set to ON.

Standby button

PRODUCT DISPLAY

MENU / STB LED MODE

You can switch off the red light of the Standby button on the front panel. In standby, the button will then no longer be lit.

Capacitance

MM PHONO INPUT

Your APEX amplifier has a capacitance setting on the MM Phono input, so you can match the electrical load to your turntable's cartridge. This setting optimises the frequency response and ensures playback faithful to the recording.

Check the specifications of your MM cartridge: most recommend a total capacitance between 100 and 200 pF, including the turntable cable. Adjust the amplifier value according to this recommendation.

Capacitance too low

The sound may seem clearer, but sometimes too bright.

Capacitance too high

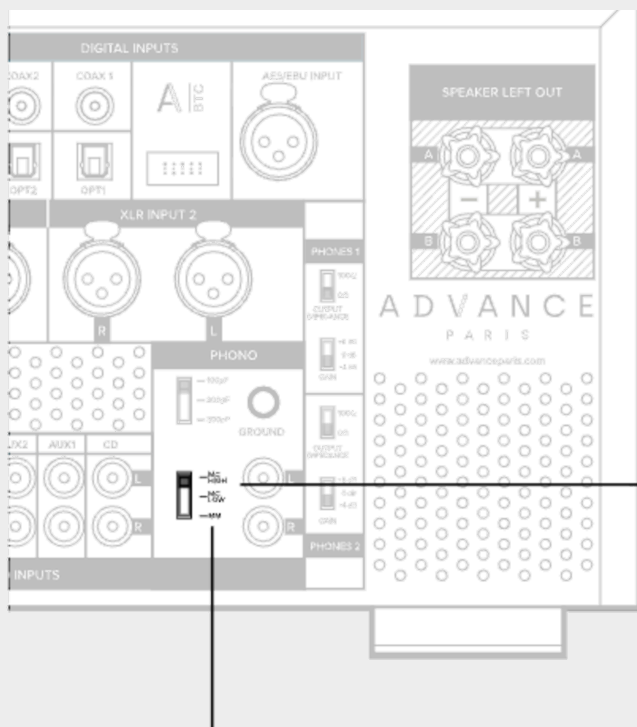
The sound becomes softer, at the cost of some loss of precision in the treble.

Do a few comparative listening tests to choose the setting that gives the most natural tonal balance.

Cartridge type

FOR MM OR MC CARTRIDGE

Your APEX amplifier has a three-position setting — MM, MC High and MC Low — to suit your turntable's cartridge type.



For an MM cartridge, you must choose MM.

For an MC cartridge, you must select MC High or MC Low. This depends on your cartridge's output voltage:

- For an MC cartridge with an output voltage below 0.6 mV, you can use MC Low.
- For an MC cartridge with an output voltage above 0.6 mV, you can use MC High.

HDMI CEC control

PRODUCT DISPLAY

MENU / CEC CONTROL

ON

The amplifier responds to commands sent by the television, for coordinated power-on and standby.

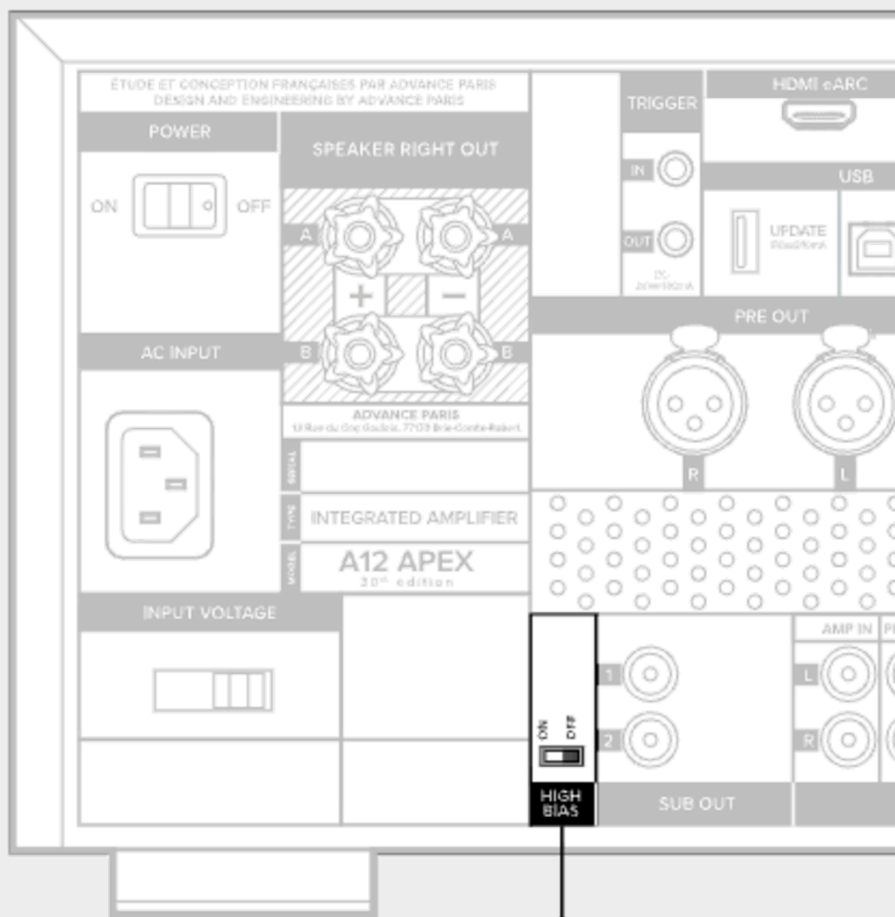
OFF

The amplifier does not respond to these commands.

The volume commands always remain active, whatever the CEC CONTROL setting.

High-Bias

Your APEX amplifier uses class AB amplification: it operates in class A at low power, below 5 W, and in class B above that. It has a two-position bias setting.



> OFF is the "normal" setting.

> ON is the "High-Bias" setting, with more power in Class A (about 8-10 W)

Factory reset

PRODUCT DISPLAY

MENU / RESET

If necessary, you can restore all the settings of the APEX amplifier to their factory configuration.

Update / FAQ

Update	57
Formatting the USB stick	58
Unzipping the file	59
Frequently asked questions	60

Update

Internal software version

To find out the internal software version of your APEX amplifier, go to the following menu:

MENU / SYS INFO

Turning the multifunction knob scrolls through the information. The internal software corresponds to the **MCU VERSION** line.

Update procedure

If an update is needed:

1. Go to www.advanceparis.com, menu **Support**, then **Manuals and Software**.
2. Choose your product range (**APEX**), then your product (**A12**).
3. Compare the software version offered on the website with the **MCU VERSION** shown on your amplifier. If the website version is newer, continue the procedure; otherwise your amplifier is up to date and no update is needed.
4. Download the update file (zip file).
5. On your computer, unzip the file, then copy the update file to a USB stick with a capacity of 16 GB or less, formatted in FAT. See pages [58](#) and [59](#).
6. Plug this stick into the **UPDATE** port on the rear of the APEX amplifier.
7. Start the update from the APEX amplifier menu:

MENU / MCU UPD / YES

The amplifier starts the update and goes into Standby when the process is complete.

Updates are available on www.advanceparis.com, page **Support / Manuals and Software**.

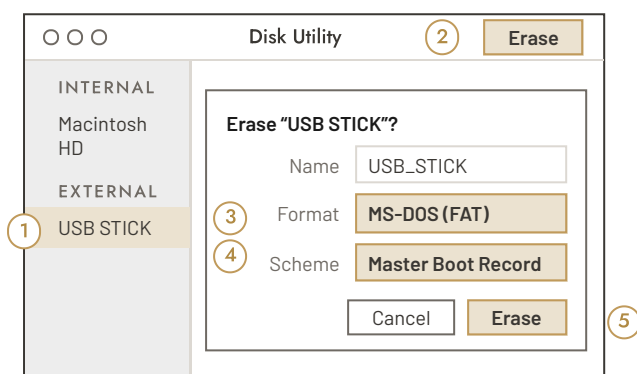
Update

FORMATTING THE USB STICK IN FAT

The amplifier only reads USB sticks formatted in FAT. If your stick uses another format, format it before copying the “.bin” file to it.

ON A MAC

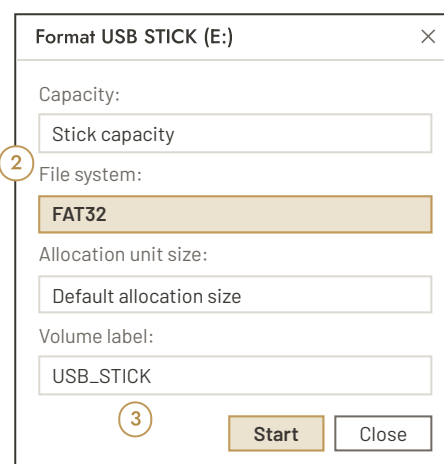
macOS — Disk Utility



1. Plug in the USB stick, then open **Disk Utility** (Applications folder, then Utilities). Select the stick in the sidebar, under **External**.
2. Click **Erase**.
3. In **Format**, choose **MS-DOS (FAT)**.
4. In **Scheme**, choose **Master Boot Record**.
5. Click **Erase**, then **Done** when the operation is complete.

ON A PC

Windows — File Explorer



1. Plug in the USB stick, then open File Explorer on **This PC**. Right-click the stick, then choose **Format...**
2. In **File system**, choose **FAT32**.
3. Click **Start**, then confirm with **OK**.



Formatting erases the entire content of the stick. Copy any files you want to keep elsewhere before you start. We recommend using a USB stick of 16 GB or less.

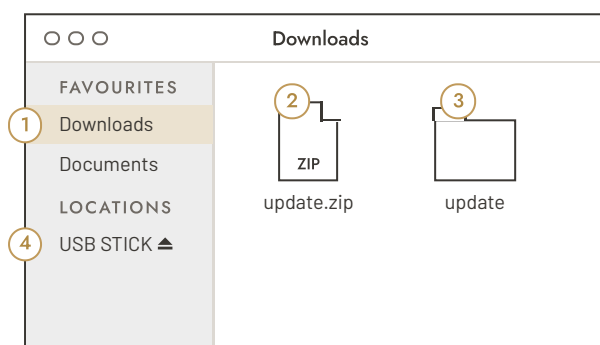
Update

UNZIPPING THE DOWNLOADED FILE

The file downloaded from the Advance Paris website is a zip file. Before copying it to the USB stick, you must unzip it to obtain the “.bin” file. The USB stick must be formatted in FAT: see “Formatting the USB stick in FAT”, page [57](#).

ON A MAC

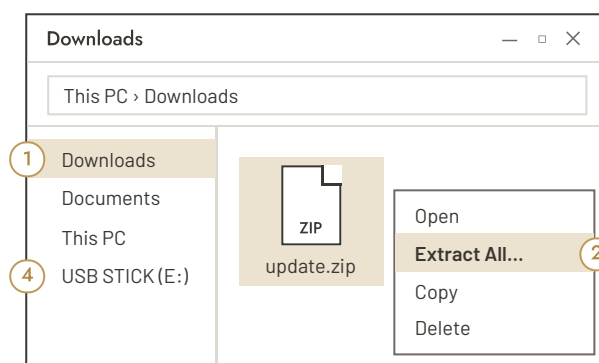
macOS — Finder



1. Open the **Downloads** folder in the Finder.
2. Double-click the zip file. macOS unzips it automatically and creates a folder with the same name next to the file.
3. Open this folder: it contains the “.bin” file.
4. Drag the “.bin” file onto the USB stick, shown in the Finder sidebar under **Locations**.
5. Eject the stick before removing it: right-click the stick, then **Eject**.

ON A PC

Windows — File Explorer



1. Open the **Downloads** folder in File Explorer.
2. Right-click the zip file, then choose **Extract All...**
3. Click **Extract**. A folder with the same name is created and opens: it contains the “.bin” file.
4. Copy the “.bin” file, then paste it onto the USB stick, shown in **This PC**.
5. Eject the stick before removing it: right-click the stick, then **Eject**.

Copy only the “.bin” file to the USB stick, not the zip file: the amplifier cannot read zip files.

Frequently asked questions

The power does not switch on or off

- › Check that the mains cable is correctly connected.
- › Check that the mains switch on the rear of the amplifier is set to ON.

The remote control commands have no effect

- › Check or replace the remote control batteries.

No sound is produced

- › Check that you have selected the correct input.
- › Check that the MUTE function is not activated.
- › Check that speaker output A or B is activated in the settings menu.

The desired audio is not produced

- › Check that you have selected the correct input.

The sound is distorted or there is noise

- › Contact your after-sales service.
- › The preamplifier tubes may need replacing.

My turntable does not sound right

- › Check that your turntable is correctly connected to the PHONO input.
- › Check the counterweight setting of the turntable.
- › Check that your ground cable is properly connected.

No sound from a USB stick plugged into the rear

- › The USB-A "UPDATE" port is not compatible with audio files: it is used only for updates.

I get no sound from my television on my speakers

- › Check that the CEC / HDMI ARC — or eARC — function is activated on your television.
- › Set the television's audio output to stereo, or PCM. Refer to its manual.

If the problem persists, note your amplifier model and its internal software version, then contact your dealer or the Advance Paris after-sales service.

Appendices

Glossary	62
Dimensions / Weight	65
Technical specifications	66

Glossary

A — C

A-BTC	Optional Advance Paris Bluetooth module, inserted into the dedicated socket on the rear of the amplifier to connect Bluetooth sources or headphones.
Display	Front-panel screen showing information: source, volume, settings.
AMP-IN	Input that lets the APEX amplifier be used as a power amplifier, for example in a home cinema system.
Amplifier	Device that amplifies audio signals from various sources to drive speakers.
Terminal A / Terminal B	Connectors on the rear for connecting one or two pairs of speakers.
Bluetooth	Wireless transmission technology for connecting a compatible device via the A-BTC module.
Standby button	Button used to switch the amplifier on or put it into standby.
Speaker cables	Cables used to connect the speakers to the amplifier terminals.
Capacitance	Setting specific to the MM Phono input that optimises the playback of a vinyl cartridge.
Coaxial	Digital input that uses a coaxial cable to carry the sound.
Mains cord	Power cable that connects the amplifier to an electrical socket.

Glossary

E — R

AUX input	Stereo analogue inputs for connecting various sources.
MM Phono input	Input specially designed for turntables fitted with moving magnet cartridges.
Optical input	Digital inputs using a Toslink optical cable.
Spades	Type of speaker cable connector that fastens around the terminal.
GROUND	Ground terminal that reduces interference when connecting a turntable.
HDMI ARC / eARC	HDMI connection that carries sound between the television and the amplifier, with volume and standby control.
High-Bias	Operating mode that allows class A listening over the first watts.
Infrared (IR)	Transmission system that lets the remote control communicate with the amplifier.
Mains switch	Main switch used to switch the unit fully on or off.
PRE-OUT	Output that sends the audio signal to an external power amplifier.
RCA	Red and white analogue connectors used for audio links.
REC-OUT	Output for connecting a recording device.

Glossary

S — U

Subwoofer

Speaker specialised in reproducing very low frequencies. It complements the main speakers to give more depth and impact in the bass. It can be connected in a single (mono) or dual (stereo) configuration, depending on the amplifier settings.

Trigger IN / Trigger OUT

Connectors that synchronise the switching on or off of the amplifier with other devices.

USB type B

Input for connecting a computer to use the amplifier as a USB sound card.

Dimensions and weight

PRODUCT

43 × 19.2 × 45.4 cm

L × H × P

PACKAGING

54.5 × 29.5 × 53.5 cm

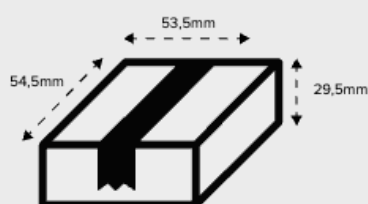
L × H × P

WEIGHT

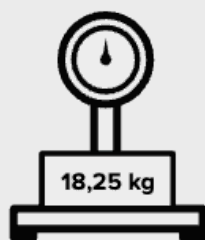
18.25 kg net

21.9 kg gross

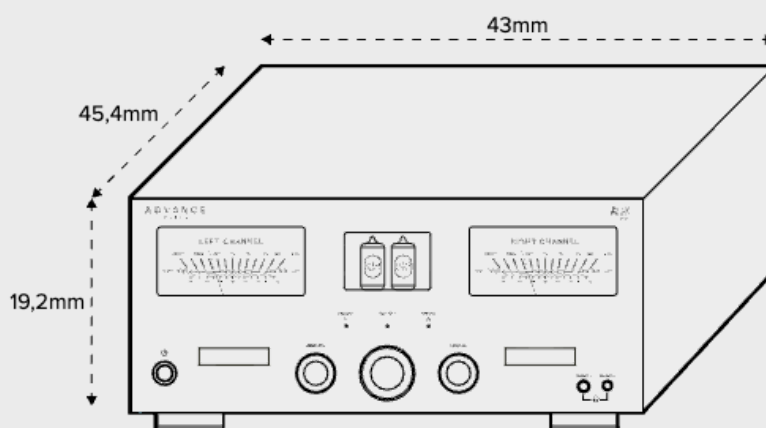
DIMENSIONS PACKAGING



POIDS PRODUIT



DIMENSIONS PRODUIT



Technical specifications

Output power 8 Ω	190 W (THD+N 1 %, 1 kHz, 2 channels driven)
Output power 4 Ω	292 W (THD+N 1 %, 1 kHz, 2 channels driven)
Frequency response	20 Hz – 80 kHz (± 1 dB, 43 W, 8 Ω)
THD+N distortion	0.047 % (1 kHz, 135 W, 8 Ω)
Signal-to-noise ratio	104.8 dB (1 kHz, 135 W, 8 Ω)
AC input compatibility	115 / 230 V, 50-60 Hz, with switch
Transformer	2 $\times$ toroidal, 2 $\times$ 280 VA
DAC	ESS9039
Digital inputs	3 $\times$ optical 24 bit / 192 kHz PCM 3 $\times$ coaxial 24 bit / 192 kHz PCM 1 $\times$ USB audio 24 bit / 192 kHz PCM, DSD64, DSD128 HDMI eARC: stereo PCM AES-EBU: 24 bit / 192 kHz PCM
A-BTC input	For optional A-BTC Bluetooth receiver
Analogue inputs	RCA line level ($\times 5$), MM/MC Phono level ($\times 1$) with ground, XLR line level ($\times 2$)
Analogue outputs	REC-OUT ($\times 1$), PRE-OUT RCA ($\times 1$), PRE-OUT XLR ($\times 1$), SUB-OUT ($\times 2$)
Headphone socket	6.35 mm jack and 3.5 mm mini-jack
High-Bias	Yes, ON / OFF switch
Update	Via USB stick on the UPDATE port
Speaker terminals	2 $\times$ screw terminals, compatible with bare wire, spade and banana
Remote control	Infrared REM-19, compatible with A12 APEX and ACD
Trigger socket	2 $\times$ input and output, 12 V
Product dimensions	43 $\times$ 19.2 $\times$ 45.4 cm (W $\times$ H $\times$ D)
Packaging dimensions	54.5 $\times$ 29.5 $\times$ 53.5 cm (W $\times$ H $\times$ D)
Gross / net weight	21.9 kg / 18.25 kg
Model	A12 APEX 30TH EDITION
EAN code	3 760 179 292 770