

ADVANCE
**Smart PX1
Dual Mono
Preamplifier**



Advance Smart PX1 Dual Mono Preamplifier User Manual

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ADVANCE

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RECYCLING IN EUROPEAN UNION COUNTRIES

Disposal of your old appliance

This symbol on the product or its packaging means that your electrical and electronic equipment should be disposed of at the end of life separately from your household wastes. There are separate collection systems for recycling in the EU. For more information, please contact the local authority or the dealer where you purchased the product.

WARNING ATTENTION

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

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

THE LIGHTNING FLASH with an arrow-head symbol is intended to alert the user to the presence of uninsulated «dangerous voltage»

within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons. An appliance and cart combination should be moved with care. Before any transportation, your product must be packed correctly to avoid any damage.

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK. DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

IMPORTANT

TO PREVENT ELECTRIC SHOCK, DO NOT USE THIS PLUG WITH AN EXTENSION CORD, RECEPTACLE, OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

SAFETY INSTRUCTIONS

READ INSTRUCTIONS

All the safety and operating instructions should be read before the appliance is operated.

RETAIN INSTRUCTIONS

The safety and operating instructions should be retained for future use.

HEED WARNINGS

All warnings on the appliance and in the operating instructions should be adhered to.

FOLLOW INSTRUCTIONS

All operating and use instructions should be followed.

WATER AND MOISTURE

The appliance should not be used near water for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.

VENTILATION

The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.

HEAT

The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

POWER SOURCES

The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

GROUNDING OR POLARIZATION

Precautions should be taken so that the grounding or polarization means of an appliance are not defeated.

POWER-CORD PROTECTION

Power-supply cords should be routed so that they are not likely to be walked on or pinched by paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

CLEANING

The appliance should be cleaned only as recommended by the manufacturer.

POWER LINES

An outdoor antenna should be located away from power lines.

NON-USE PERIODS

The power cord of the appliance should be unplugged from the outlet when left unused for a long period.

OBJECT AND LIQUID ENTRY

Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

DAMAGE REQUIRING SERVICE

The appliance should be serviced by qualified service personnel when:

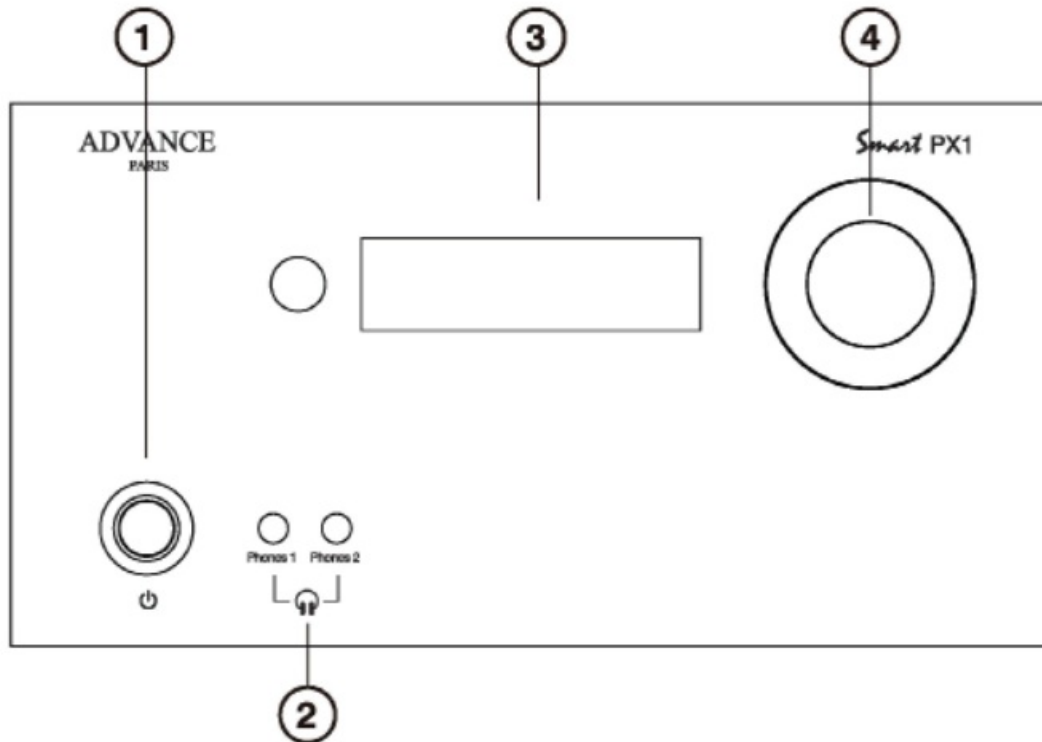
- The power supply cord or the plug has been damaged; or
- Objects have fallen, liquids have spilled into the appliance; or
- The appliance has been exposed to rain; or

- The appliance does not appear to operate normally or exhibit a marked change in performance; or
- The appliance has been dropped, or the enclosure damaged.

SERVICING

The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

FRONT PANEL CONTROLS



1. STANDBY ON / OFF POWER BUTTON

Press this button to turn ON your appliance, power is supplied to your unit and it becomes operational, and the STANDBY button's light becomes white. (The main power switch is located on the back panel and must be ON to use the STANDBY function).

When set to STANDBY OFF, the main power is cut off and the unit is no longer fully operational except for the microcontroller. The standby indicator's light becomes red.

MM STEREO JACK HEADPHONES X2

The headphone terminal provides a stereo audio signal sufficient for driving all conventional stereo headphones except electrostatic headphones which generally require a signal from a high-level output. (Headphones not included)

2. DISPLAY

This display will indicate different information depending on the chosen menu. By default, it will indicate the source input.

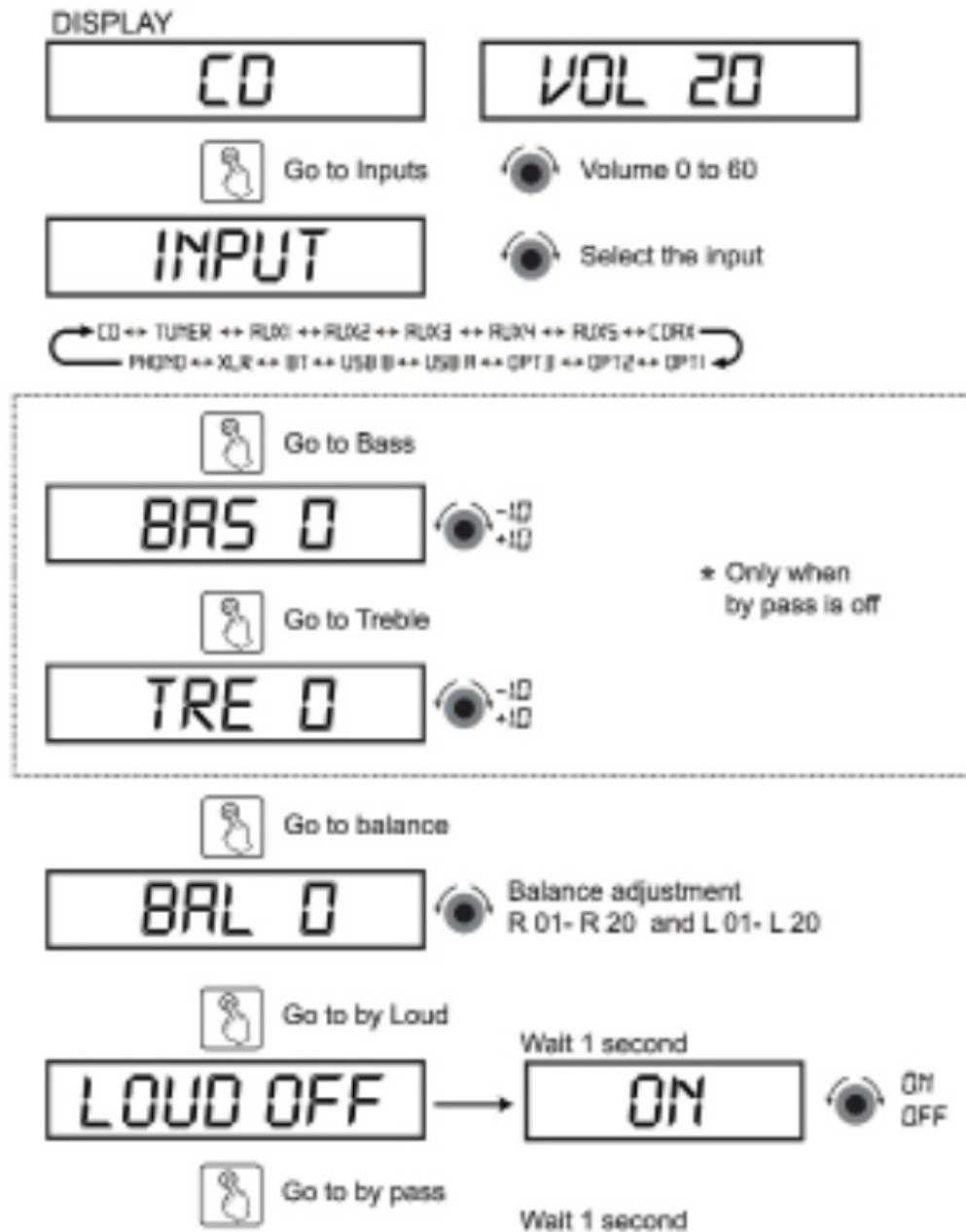
How to use the multifunction button?

Plug your amplifier into the outlet, then switch ON the general power supply button located on the rear panel. The standby button located on the front panel will light on in red. Push the standby button (front panel) and the light will become white, the display indicate the last source. You can easily navigate in the different menus of SMART PX1,

and, for example, increase or decrease the headphone sound level with this multi-function knob. At that time, you can select the different configurations of your SMART PX1.

Push once the center of this multi-function button, and the display indicates INPUT -> APD -> ON -> MVOL -> HPVOL. Turn the button and you can choose a different source. You can repeat the same way to navigate in the menus.

Options and menus arborescence



1. **BLUETOOTH PLUG**

You can connect directly to our Bluetooth Aptx / AAC wireless receiver X-FTB01. We evolve in an environment where dematerialized music is taking more and more place. Stored in diverse and varied devices (mobile, computers, tablets, smartphones, and other players), it only asks to express itself on hifi systems more or less elaborately, but more importantly with a rendering more «real» and natural as possible. The new audio wireless receiver X-FTB01 from Advance Acoustic does this with real talent. The X-FTB01 can easily be connected to any analog input of your amplifier. The X-FTB01 brings to you an amazing musical performance, combined with easy use.

2. **PRE-OUT HI-PASS PRE-OUT (3) XLR PRE-OUT 13**

3. **UNBALANCED / BALANCED OUTPUTS**

Your PX1 preamplifier includes two stereo analog unbalanced outputs, the PRE-OUT, and the PREOUT HI-PASS. PRE OUT works on the full frequency range. The PRE-OUT HI-PASS works only with an active subwoofer connected to the SUB-OUT.

You can also use your PX1 with the stereo-balanced outputs (XLR sockets).

4. **OPTICAL AND COAXIAL INPUTS**

Smart PX1 has 3 optical inputs and 1 coaxial input. You can connect the digital output of your CD, DVD, etc... and use the high-quality DAC converter to obtain a better sound result.

5. **USB A INPUT**

You can connect and play an MP3 player on this input

6. **USB B INPUT / XMOS**

Note: Do not turn on the unit until all connections have been made. You can listen to music files that are on your computer. Connect a USB cable from the amplifier USB input to one of the USB ports on the PC or Mac. Compatible with Windows 2000 / Windows XP / Vista / 7, 8, and 10 Linux, and Mac OS X. Driver downloadable on our website www.advance-acoustic.com

7. **TRIGGER IN / TRIGGER OUT**

Control trigger to ON/OFF this unit by other device / Control trigger to ON/OFF others device.

8. **UPDATE**

For dealer use only – software upgrade. Do not upgrade the software by yourself as damage may result!

9. **POWER CORD / VOLTAGE SELECTOR / GENERAL ON-OFF SWITCH**

You need to be sure about the voltage of your country. In case you need to use your appliance in 115V, you need to change the position of the voltage on the rear panel. Before plugging in the Smart PX1, its master power switch must be in the OFF position.

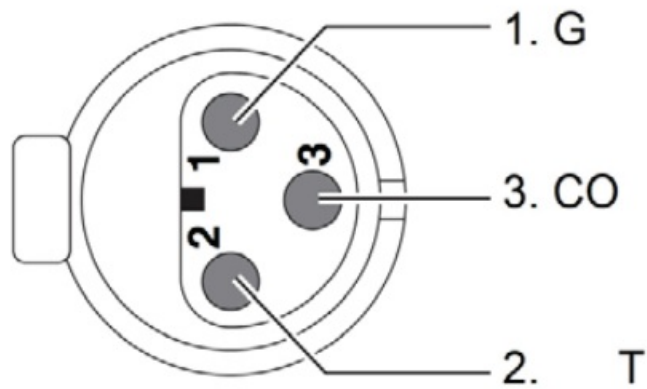
10. **REC OUTPUT**

This analog audio output is for connecting a recorder with an analog audio input such as a cassette deck, MD recorder, etc. The output signal is not variable.

11. **BALANCED XLR INPUT**

If your source has a stereo-balanced output, you can connect it to the stereo-balanced XLR input of your preamplifier PX1.

Connector ground terminal: Chassis grounded The pin assignments for this terminal are given above. The amplifier uses the European-type XLR terminal.



12. INPUTS

You can connect your stereo sources to those inputs. These inputs are suitable for any line-level source equipment such as tuners, CD players, DVDs, MP3 players, etc.

Note: These inputs are only for analog audio signals. They should not be connected to the digital output of a CD player or any other digital device.

13. CROSSOVER FREQ. 150Hz/75Hz

Switch this button to set the crossover frequency of the subwoofer at 150Hz or 75Hz. Broadly speaking, the 150Hz setting is for smaller subwoofers that don't have much output below 100Hz. The 75Hz setting is for the conventional powerful subwoofers.

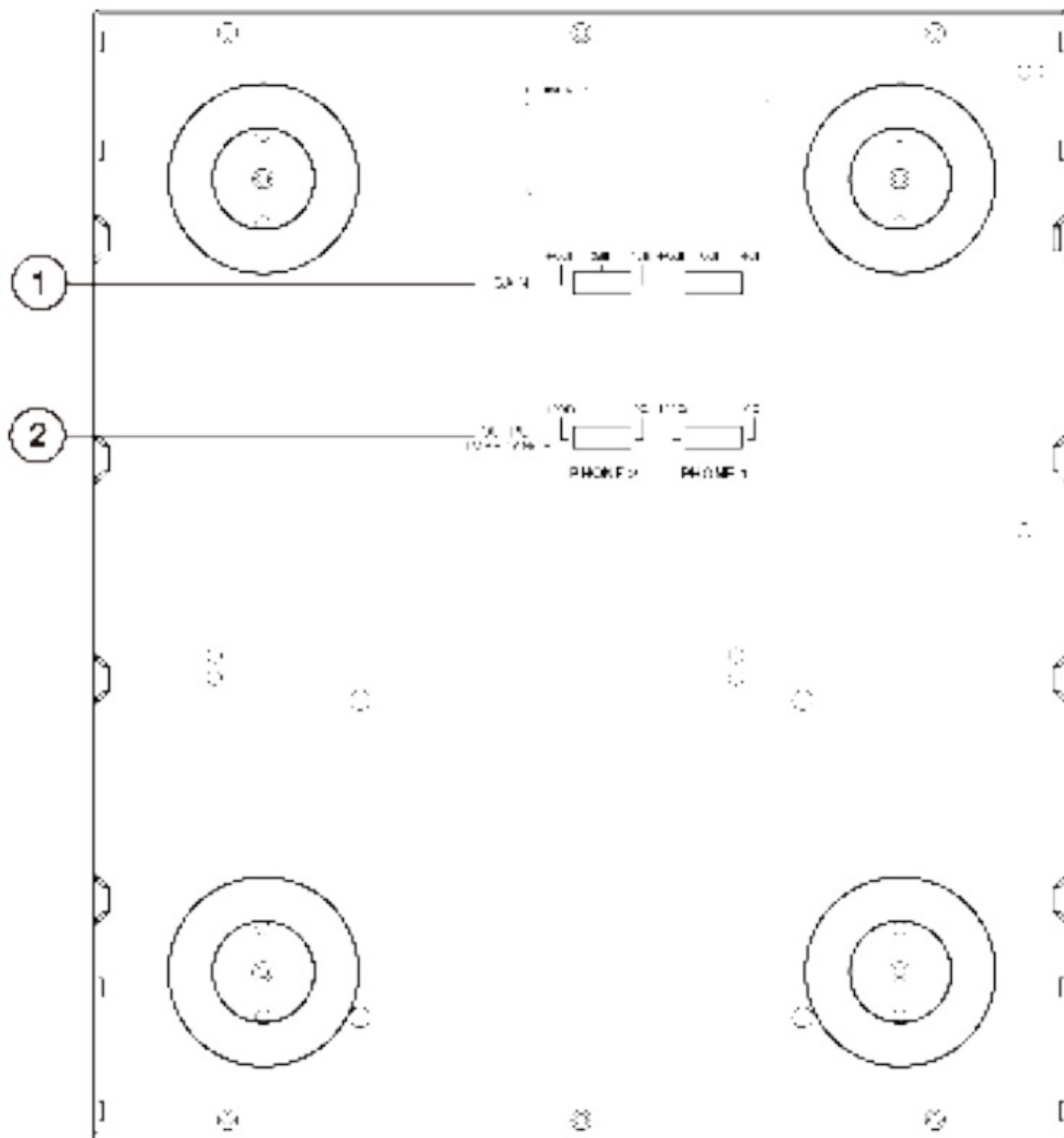
14. PHONO INPUT AND GROUND TERMINAL

You can connect your turntable on the RCA connectors left (L) and right (R). Turntables normally include a single wire earth lead. Use the phono ground connector to connect this lead. Unscrew the terminal to expose the hole which will accept the lead. After insertion, tighten the terminal to secure the lead. You can choose a suitable Phono type (MC LOW/MM/MC HIGH) and phono capacitance (100P/200P/320P)

15. SUBWOOFER OUTPUT

To connect an active subwoofer

HEADPHONES SETTINGS

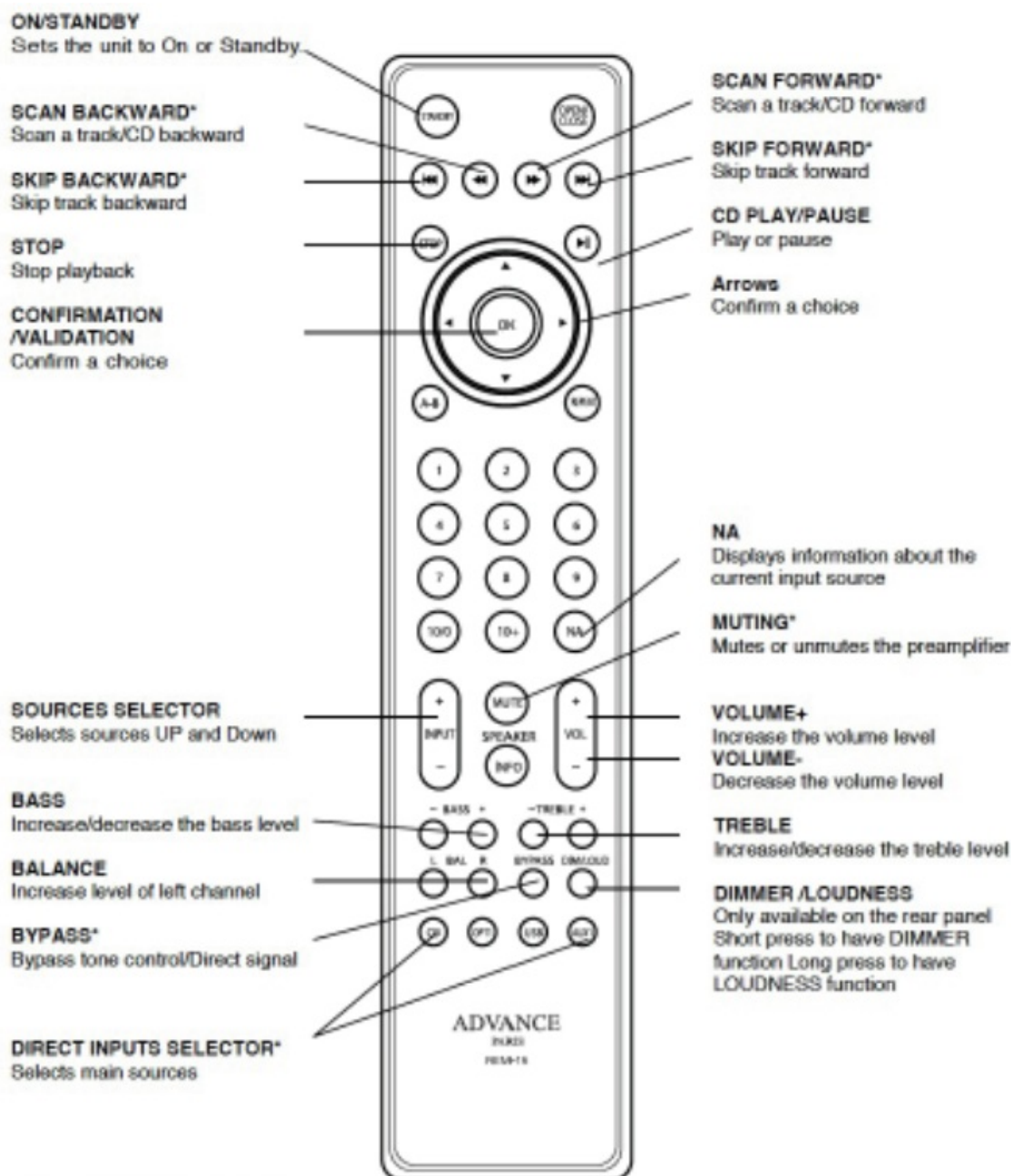


1. You can adjust the gain and impedance on the bottom for Phone 1 or Phone 2 independently.

- 0 Ω = When connecting headphones with a low impedance 32 Ω .

2. 100 Ω = When connecting headphones with a middle or high impedance 600 Ω .

TELECOMMANDE REMOTE CONTROL



SPECIFICATIONS

- OUTPUT LEVEL Unbalanced 2V
- OUTPUT LEVEL balanced 4V
- FREQUENCY RESPONSE (+/-3dB) 20Hz-45 kHz
- DISTORSION < 0.007%
- IMPEDANCE 10KΩ
- CHANNEL SEPARATION > 80dB
- S/N RATIO > 100dB
- CONVERTER 24 bit-192 kHz
- DAC WOLFSON WM8740
- DIGITAL AUDIO TRANSCEIVER Asahi Kasei AK4113
- USB B AUDIO ASYNCHRONOUS XMOS XS1-L8A-64
- IN LEVEL (CD/AUX...) < 300mV
- IN LEVEL AMPLIFIER < 1,1V

- INPUT LEVEL PHONO MM 2,5mV
- AC INPUT 115 or 230V
- POWER CONSUMPTION MAX 30W
- DIMENSIONS H. 12 x L.23 x D.28
- NET WEIGHT kg NC

Optional Digital

Bluetooth Module X-FTB01



- Plug and Play
- CD quality AptX
- 48kHz / 24-bit digital out (I2 /S or S/PDIF)
- The below data is tested under these formats: AAC, WAV, FLAC, and APE
- Sampling rate: 44,1 or 48kHz/bit
- THD: 0,003% at 1kHz
- Signal-to-noise ratio: 95dB
- Frequency response: 20Hz to 20kHz, +/-0,5dB
- Transmission distance

DECLARATION OF CONFORMITY

We declare under our sole responsibility that this product, to which this Adeola- ration relates, conforms with the council EMC directive 2014/30/UE, the LVD directive 2014/35/UE, the RoHS2 2011/85/EU, and RED 2014/53/EU

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References

- [User Manual](#)

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