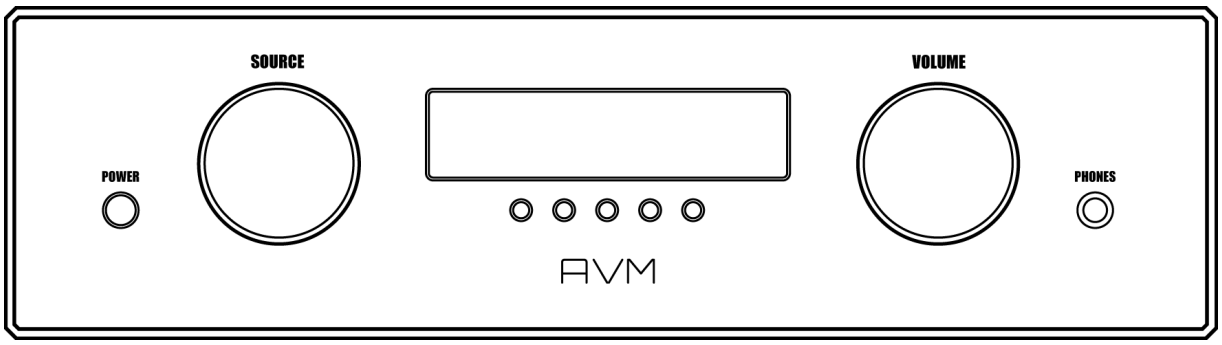
Operating Instructions

OVATION A 6.2 ME



Dear customer

We are pleased you have chosen an audiphiile masterpiece from AVM and thank you for your trust. With the OVATION A 6.2 ME, you own a high-end component with outstanding sound quality and a wide range of functions. In the following, we would like to explain the use of your OVATION integrated amplifier in a comprehensive way and therefore ask you to take a little time to study this manual in detail.

If you have any questions that we have not been able to answer with this manual, please contact your dealer who will be able to configure the device according to your wishes and personal needs and also provide you with instructions for daily use.

Udo Besser – AVM Owner & General Manager

Declaration of conformity (for EC only)

We herewith confirm, that the unit to which this manual belongs fulfills the EC rules necessary to obtain the sign

CE

the necessary measurements were taken with positive results.

AVM Audio Video Manufaktur GmbH
Daimlerstraße 8
D-76316 Malsch
Germany

www.avm.audio
info@avm.audio

Table of contents

1 Getting started

1.1 What's in the box?

- **OVATION A 6.2 ME integrated amplifier**
- **Power cord (in some countries)**
- **RC 3 remote control**

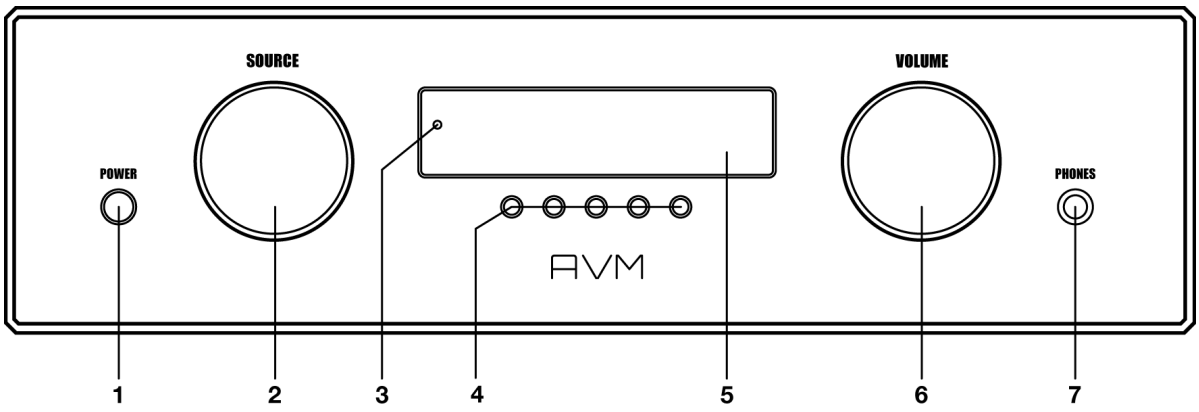
1.2 Packaging instructions

The A 6.2 ME comes in a rugged and sturdy flight case. Please note that the bottom of the flight case is not symmetrical. If you need to put the unit into the flight case again, please ensure that the unit and the flight case is correctly positioned.

1.3 Control and operating elements

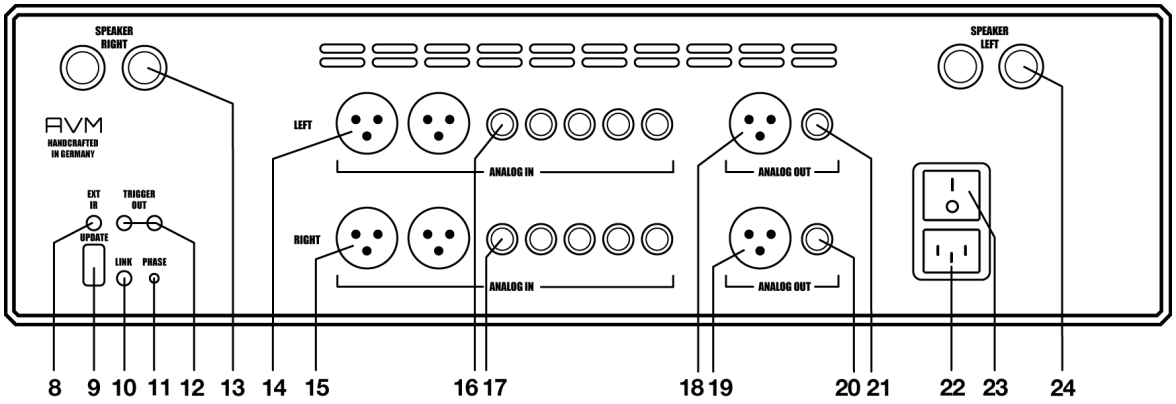
The numbers in the drawings below mark the control elements. They refer to the numbers in the text, where the operation of the unit is described.

1.3.1 Front



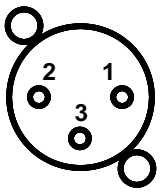
1	Power button (on/off)	5	Display
2	Source selector	6	Volume control
3	Control LED	7	Headphone output
4	Menu keys (a,b,c,d,e)		

1.3.2 Rear panel

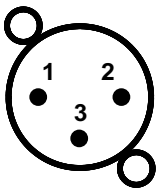


8	Connector for external IR sensor	17	Analog inputs right (RCA/Cinch)
9	Configuration port	18	Analog output left (XLR)
10	Link	19	Analog output right (XLR)
11	Phase LED	20	Analog output left (Cinch)
12	Trigger outputs	21	Analog output right (Cinch)
13	Speaker terminals right	22	Mains connector
14	Analog inputs left (XLR)	23	Mains switch
15	Analog inputs right (XLR)	24	Speaker terminals left
16	Analog inputs left (RCA/Cinch)		

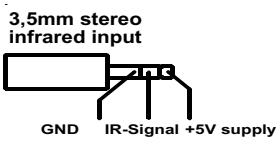
1.3.3 Connection XLR in/output, infrared input und trigger output



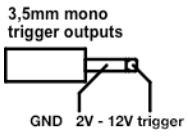
XLR input



XLR output



Infrared input (socket 8)



Trigger out (sockets 12)

1.4 First operation

1.4.1 Installation and cooling

The unit can become hot depending on demanded output power or environmental temperature. Therefore, it is important, that the cooling air can flow unhindered into the air inlet in the bottom and flow out through the holes in the rear panel. Direct exposure to sunlight is not recommended because this will heat up the unit.

1.5 Connection to mains

Connect the unit to the mains outlet (22) by using the power cord which is (in some countries) delivered together with the unit. Make sure that mains voltage is according to the value printed on the rear panel of the amp (near mains connector).

CAUTION: Keep the unit switched off until all audio connections are made.

1.6 Mains phase indicator

Especially with high-end audio components, which are by nature very sensitive to mains hum, it is important to connect the mains phase correctly. The A 6.2 ME is therefore equipped with a Phase LED (11).

To check the mains phase, switch on the unit with the on/off button (1) and take a look at the phase LED (11). This LED remains dark if the polarity is correct and **only lights up if the mains plug is incorrectly polarized**. In this case, switch the device to standby, pull the mains plug and plug it into the socket turned by 180°.

The mains phase indicator has been deliberately designed in this way, as the control electronics of the phase LED (33) produces slight interference when the LED is lit. This is not the case with correct mains polarity (and dark LED).

1.7 Connecting signal sources

You can connect up to seven analog line sources to your A 6.2 ME. Connect the outputs of your sigbal sources to the inputs of the A 6.2 ME on the rear side of the unit (14-17). The upper row of the RCA/Cinch (16) or XLR (14) connectors is for left channels (white), the lower row is for right channels (15, 17).

1.8 Connecting loudspeakers

The A 6.2 ME has two switcheable speaker outlets. Connect one pair of the speakers to the speaker terminals right (13), the other one to the terminals left (24). Use only good speaker cables with sufficient diameter. Make sure that the red terminals are connected to the red or "+" terminals of the speakers and the black terminals to the black or "–" terminals of the speakers.

The outputs can be activated or deactivated via the menu (see 3.1.7).

1.9 Connecting trigger outputs / inputs

1.9.1 Trigger outputs

Connect the trigger outputs (12) to the trigger inputs of the power amplifier or (if connected) the subwoofer. Then these units will automatically switch on and off together with your A 6.2 ME. The pinning of the trigger outputs is described in section 1.3.3

1.9.2 Remote control of power amplifiers via audio cable

If you happen to use a model of the AVM PA oder SD series as a pre-amplifier, your A 6.2 ME can be automatically switched on and off via a connected audio cable. There is no need for an additional trigger cable.

1.10 Connecting headphones

Plug a 6.35 mm headphone connector to the headphone jack (7). The loudspeaker (13,24) and preamp outputs (18-21) will mute automatically while a headphone is plugged in.

2 Basic operation

2.1 Switching on / stand by

Using the power button (1) you can switch between on (operate) and stand by. When switched on, the display (5) lights up and the LED (3) is off. In stand by mode the display is off and the LED is on to indicate that the unit is still connected to mains.

CAUTION: When switched to stand by the unit is still connected to the mains. In case of a thunderstorm or if you leave the house for a longer time we recommend that you switch off the amplifier off by using the mains switch (23) or pull the mains plug.

2.2 Selecting the signal source

Use the program selector (2) to select a signal source. The selected source is indicated in the display (4).

2.3 Volume setting

Use the rotary encoder (6) to set the desired volume. Depending on rotating speed the volume increases / decreases in 0.5 dB steps (slow) or 2 dB steps (fast). The actual setting is shown in the display (5).

2.4 Setting of input sensitivity

The level of signal sources differs often by several dBs. You recognize a step in volume, when switching between two different inputs. With the sensitivity setting menu you can avoid this. The sensitivity of each input can be adjusted between – 9.5 dB and + 10.0 dB.

Select any input and chose a convenient volume level. Now press the multifunctional button 4c under the display for more than 2 seconds. The button is now marked **EXIT LVL**. Now you can switch between the sources and adjust the levels by using the volume knob (6). Pressing this multifunctional button (4c) under the display again will exit the level setting mode and bring the unit back to normal operating mode.

NOTE: While the level setting mode is active the unit will not respond to any remote-control commands.

3 Advanced Settings

Your A 6.2 ME offers a wealth of custom specific settings in its advanced settings menu. To enter the menu just tap on the button **MENU** (4c). The button now changes to **EXIT**. A second tip on this button leads you to the normal operating mode. When the menu system is active you can select the desired function using the buttons **< ITEM >** (4a, 4b). The setting is done using the buttons **< VALUE >** (4d, 4e).

Depending on the actual source the advanced settings menu offers a range of selected settings described in the following.

3.1 Menu functions

3.1.1 Tone Control

Set tone control activates or deactivates the integrated sound settings menu of the A 6.2 ME which enables you to individually adjust the bass or treble level of a certain sound source or lets you choose from a range of available loudness curves. **Set tone control** can be bypassed (**BYPASS)** or activated (**ACTIVE)**. In case the **set tone control** option is activated **TONE ON** is shown in the display (5), otherwise **LINEAR**. When switched to **ACTIVE** the sound settings menu is ready to operate but will only be enabled if one of the associated parameters such as **set bass**, **set treble** or **set loudness** is being altered. In case all three parameters are in a neutral position (**BASS = 0**, **TREBLE= 0**, **COUNTOUR = OFF**) the **set tone control** option remains ready for operation without processing the signal. You can choose if you want to change bass and treble settings simultaneously for all inputs (**GLOBAL**) or exclusively for the currently selected input (**INDIVIDUAL**). If you wish to set individual settings, a prior parameterization of the respective sound sources is required first (see 3.2). The loudness option depends on speakers and properties of the listening room and is therefore always **GLOBAL**.
NOTE: In case tone control is set to **BYPASS** the menu will skip the **set bass**, **set treble** and **set loudness** settings.

3.1.2 Set bass

Set the bass level between – 7 dB and + 7dB. If a global sound setting is chosen (see 3.1.1), **GLOBAL** is shown in the display – otherwise **INDIVIDUAL**.

3.1.3 Set treble

Set the treble level between – 7 dB and + 7dB. If a global sound setting is chosen (see 3.1.1), **GLOBAL** is shown in the display – otherwise **INDIVIDUAL**.

3.1.4 Set loudness

If you listen to music at low levels, you often recognize that bass and treble reproduction are weak. This is because the human ear is not sensitive to bass and treble at low sound levels. To compensate this, you can use the parametric loudness function of the A 6.2 ME. This function will increase bass and treble levels when you decrease the volume. When the volume is increased, the frequency response will be more and more flat and remain linear at high volume levels. In order to obtain best results, we recommend you proceed in the following way: Set the amplifier to a moderate volume level. Using the buttons **< VALUE >** (4d, 4e)) choose a loudness curve ("OFF", 1-9) which provides the best sound impression and exit the menu with button 6 (**EXIT**).

NOTE: The loudness function selects automatically the correct loudness curve depending on the actual volume setting. That is why a different curve than the previously selecteded may be shown in the loudness menu as soon as you alter the volume. This is not a malfunction.

3.1.5 Set balance

Set the balance between right and left channel for optimal stereo image.

3.1.6 Set input attenuation

In case you have connected a signal source with a rather high output level (such as a hifi component made in the US which are generally known for high outpout levels) you need to activate the input attenuation option (**ATT ACTIVE**) of your A 6.2 ME. This way, an activated attenuation circuit reduces the incoming audio signal level by 6 dB thus preventing the input stage from overdrive and distortion.

3.1.7 Set speakers out

Set speakers out seables you to activate or deactivate one or both of the available loudspeaker outputs (13, 24).

3.2 Personal Setup

The personal setup offers you a range of settings to individualize the device according to your personal needs. To enter the **personal setup** menu, please switch off your device on the rear of the unit at the mains switch (23). Keep the rightest key under the display pressed (4c) while you switch on the unit again (23). As soon as the display shows the **personal setup** menu you can release the multifunctional button (4c). When the personal setup is active, you can select the desired function using the buttons **< ITEM >**. The button **SELECT** activates the function. The setting is done using the buttons **< VALUE >**. **BACK** leads you back to other settings. **EXIT** exits the personal setup and stores the settings.

3.2.1 set display brightness

Sets display brightness 25% to 100%.

NOTE: The setting 100% can lead to "burn iin" effects on the display if the unit is operated in this setting for a very long time. In order to avoid such "burn in effects" please switch the unit to stand by, if not in use.

3.2.2 bass & treble control

Choose if you want to change bass and treble settings globally for all inputs (**GLOBAL**) or solely for the actual input (**INDIVIDUAL**) (see 3.1.2 and 3.1.3).

3.2.3 skip unused inputs

Deactivate unused inputs (**SKIPPED**). The unit will then skip these inputs when the source selector (2) is rotated.

3.2.4 define input names

You can individually set the names (max. 8 characters) of the different sources shown in the display (5). Proceed as follows:

Press **SELECT**. With **< ITEM >** you can now select an individual input in order to alter its name. The display now shows on the left side the old name, on the right side the new name. The character to change is marked by an underscore. The keys **< POS >** (4d, 4e) select the position of the character to change. The marked character can be set using the volume knob (2). When you are ready, simply press **BACK** (4c) and the new input names are stored.

3.2.5 gain fix / variable

If a surround system is connected to the A 6.2 ME, specific settings such as channel balance, tone settings and bass management are controlled by a separate decoder. These settings may

not be altered by other components in order to maintain the balance of all channels. For this application, the A 6.2 ME offers the **gain fix** function (by both passing through the signal with a fixed gain setting and bypassing all sound control settings (see 3.1.1).

3.2.6 set auto standby

To save energy, the unit is equipped with a circuit that automatically puts the unit into standby mode if there is no music signal on the currently active input for more than 20 minutes. This function is activated (**ACTIVE**) by default and can be deactivated permanently with this menu item (**NOT ACTIVE**).

The selected setting is permanently stored when leaving the **Personal Setup**, but can be changed at any time by calling up the Personal Setup again.

3.3 Reset (Factory settings)

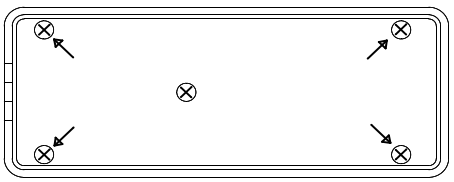
The **Reset** menu cancels certain or all settings and makes the unit return to default settings.

To enter the **Reset** menu, please switch off your device on the rear of the unit at the mains switch (23). Keep the middle key under the display pressed (4c) while you switch on the unit again (23). As soon as the display shows the reset menu you can release the multifunctional button (4c). Select if you want to clear the input names (**NAMES**) or reset the unit completely (**ALL**). **CANCEL** will bring the unit back to normal operating mode without resetting any item.

4 RC 3 remote control

The RC 3 remote control comes as a standard with the A 6.2 ME. All main functions can be controlled by the RC 3 : **ON** and **OFF**, volume control (**<VOLUME>)**, source (**<INPUT>**).

The RC 3 works up to distances of 7 meters. For best function point with the RC 3 to the front panel of your hifi system. If your hifi systems won't react or reacts only over short distances, the batteries of the RC 3 must be changed.



RC 3 Bottom view

Changing batteries

Unscrew the 6 marked screws (**CAUTION**: Do **not** unscrew the 2 unmarked screws in the middle). Take the bottom plate with the mounted pcb out. Remove the worn batteries and replace them with two new batteries (type CR2032, 3V Lithium cells). Make sure that polarity is correct (the "+" sign must be on top). Insert the bottom plate and screw it tight.

5 Appendix

5.1 Cleaning

Use a soft cloth and normal glass cleansing fluid.

CAUTION
Make sure that no fluid comes into the unit. Do not use scouring cleaners. They may damage the surface.

5.2 Troubleshooting

Some putative defects are often caused by small mistakes in operation. Sometimes, other units connected to the amplifier may cause problems, too. We therefore kindly ask you to read the following tips first, before consulting your dealer or us.

1. No playback

a) Mute function is active, press button **MUTE** on your remote control or increase the volume using the rotary encoder (6).
b) Inadvertent switching to stand by. Press power button (1). If the LED indicator and display do not light up a fuse can be blown due to overvoltage (e.g. in case of a thunderstorm etc.). Please contact your dealer.

2. Amplifier switches off during normal operation

This can happen if the temperature inside the unit becomes too high. In this case the amplifier switches off and the display shows 'overheat'. Switch the unit off and let it cool down for five minutes.

3. A certain output cannot be selected

If an input is deactivated via the personal setup menu (see 3.2.3) it cannot be selected by using the volume rotary encoder (6) or the RC 3 remote control.

5.3 Conditions of warranty (EC only)

If despite expectations a defect occurs that cannot be repaired by yourself or your dealer, we undertake the repair of your unit free of charge for up to three years from date of purchase. The warranty covers the costs of material and working time, transport costs are to be borne by the owner.

Provisions for this warranty are:

- The unit must have been purchased from an authorised dealer. Equipment from other sources will not be repaired, not even at charge.
- The warranty registration card, together with a copy of the bill of sale, must be received by us within four weeks of the date of purchase.
- The defect must not have been caused by improper handling or misuse.
- Return the unit to us only in its original packing. If this is not possible we are entitled to refuse acceptance. We will not assume responsibility for transport damage under any circumstances.
- A short description of the defect is to be included with the returned unit.
- In cases of doubt we reserve the right to request a copy of the bill of sale.
- We also reserve the right to levy a handling charge for items returned without good or valid reason, or if the unit proves to be not defective.

NOTE: If you are returning the unit from a country other than Germany you should ensure that correct export documents are obtained. We cannot accept any charges for costs arising from improper or incomplete export documentation.

If you have purchased your unit from a dealer outside Germany please refer to him or the relevant importing firm to process the warranty.

6 Technical Data

6.1 Amplifier

Sensitivity (25W/4 Ohm)	41 mV (12,5 –125 mV adjustable)
Input impedance (Line Cinch/XLR)	10/3,4 kΩ
Frequency response	> 100 kHz
THD	< 0,025%
Damping factor	>200
Output power	2 x 325 W (4 Ω) / 2 x 190 W (8 Ω)

6.2 Preamplifier

Frequency response	> 100 kHz
THD	< 0,001%
Unweighted voltage	< 100 dB
Crosstalk attenuation	> 120 dB
Input overload capability	7 V

6.3 Other

Supply voltage	230V/50Hz, 115/60Hz
Power consumption max.	1500 W
Power consumption (idle)	ca. 75 W
Stand by	< 0,5 W
Dimensions (W x H x D)	430 x 130 x 390 mm
Weight	19 kg

Changes reserved without notice.

11/30/2020.