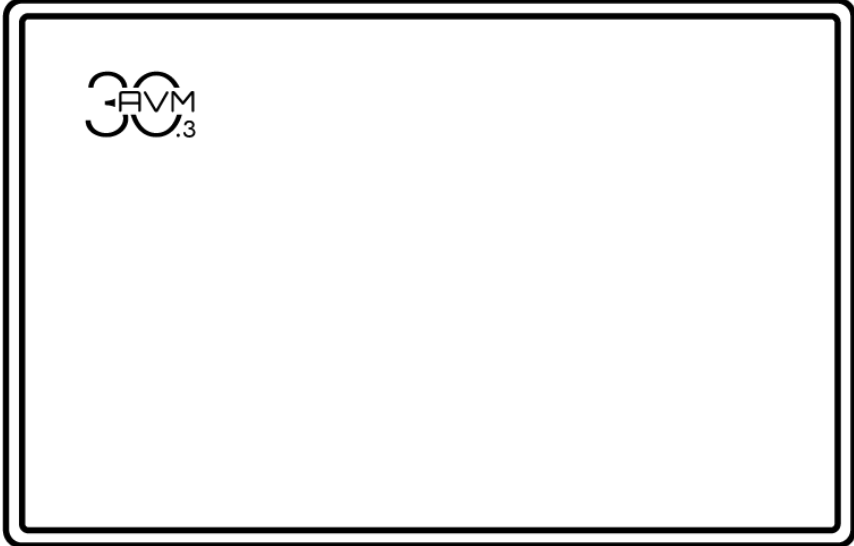


Operating Instructions

A 30.3



Declaration of conformity (for EC only)

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



the necessary measurements were taken with positive results.

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Welcome!

We are pleased you have chosen an audiophile masterpiece of the AVM30 series and thank you for your trust. With the MA 30.3 mono amplifiers you own extraordinary HiFi components with excellent sound and a wide range of functions. In the following, we would like to explain the use of your MA 30.3 in a comprehensive way and therefore ask you to take a little time to study this manual in detail.

Should you have any questions which we have not been able to answer with this manual, please contact your dealer or distributor who will be able to configure the unit according to your needs and personal requirements and also give you instructions for daily use.

A handwritten signature in black ink, appearing to read 'Udo Besser', written in a cursive style.

Udo Besser – AVM Owner & General Manager

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1 Getting started

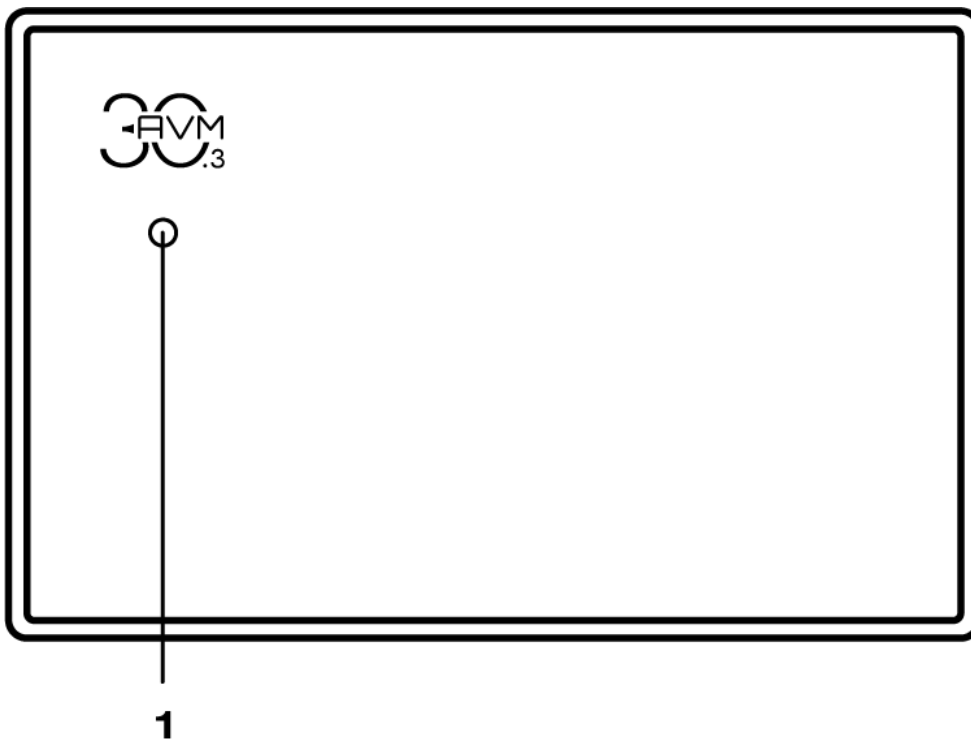
1.1 What's in the box?

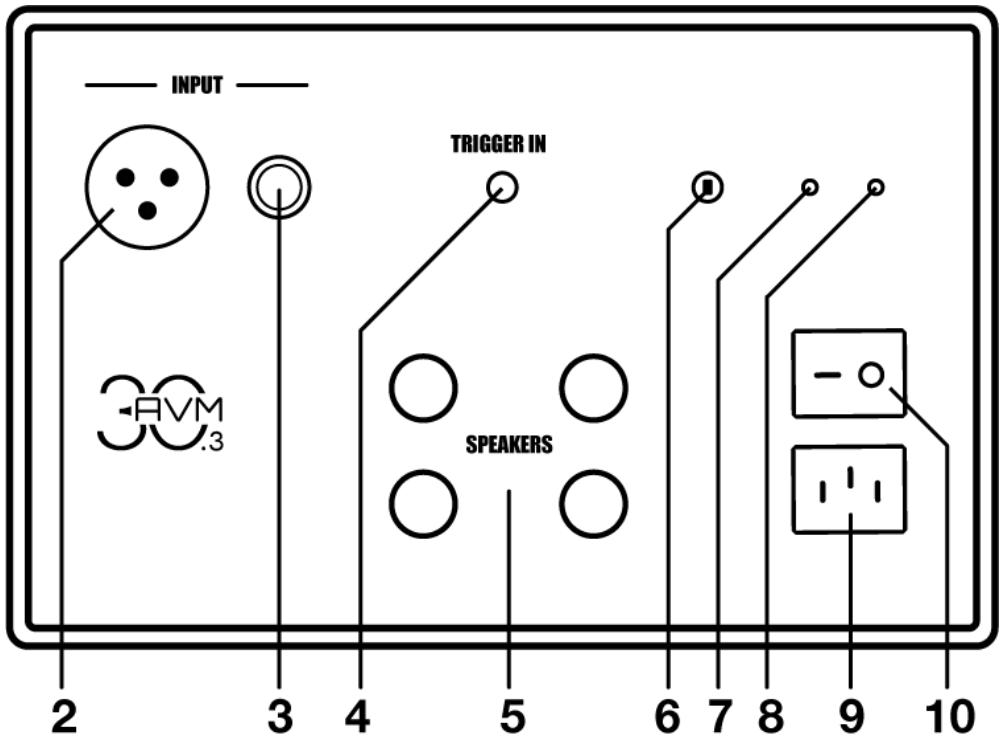
- 2 x MA 30.3 mono power amplifier
- 2 x Power cord

NOTE: After unpacking, please check the scope of delivery to ensure that all parts have been supplied and are undamaged. In case the original packing has already been opened, please contact your local dealer. Often, your dealer prepares your new device prior to delivery to adapt and change the configuration to your personal needs.

1.2 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.



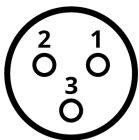


- | | |
|--------------------------|----------------------------------|
| 1 Control LED | 6 Operating mode selector switch |
| 2 Balanced input (XLR) | 7 Diagnosis LED (OVERHEAT) |
| 3 Unbalanced input (RCA) | 8 Diagnosis LED (OVERLOAD) |
| 4 TRIGGER input | 9 Power supply connection |
| 5 Speaker connections | 10 Power switch |

1.3 Pin assignments

1.3.1 Assignment XLR and TRIGGER inputs

XLR input



- 1) Ground (GND)
- 2) Non-inverting input
- 3) Inverting input

TRIGGER input



- a) Ground (GND)
- b) Trigger signal (+2V to +24V)

1.4 Installation and cooling

The MA 30.3 power amplifiers are cooled via the floor. Thus, it is very important that the air supply from below, as well as the flow of the heated air through the slots of the lid is unhindered. Ideally, both mono blocks are set up as freely as possible. When placing the units on a carpeted floor, you should also make sure that the feet of the unit do not sink in (if necessary, place pucks underneath) and that the pile of carpet does not obstruct the air flow on the floor. Also make sure that the installation location is protected from direct sunlight.

1.5 Connection to mains

Connect the supplied power cable to the power supply connection (9) and a shockproof socket.

NOTE: Please leave the device switched off (power switch (10) in zero position) until you have established all cable connections to the rest of the system.

1.6 Connecting a preamplifier

Your MA 30.3 are equipped with one **XLR** (2) and one **RCA** input socket (3) each, which you can use alternatively. Here, the preamplifier is connected with a suitable cable. In case of longer connection distances, we recommend a balanced **XLR** connection, since this can shield possible interferences more effectively than an unbalanced **RCA** cable.

NOTE: The output impedance of your preamplifier together with the capacity of the audio cable forms a low pass filter. When selecting the connection cables (especially for long connection paths), you should therefore ensure that the output impedance of the preamplifier is as low as possible and that the cable capacity is low in order not to influence the transmission of high frequency components in the music signal. Preamplifiers from AVM such as the PA 30.3 preamplifier from the AVM30 series are always low impedance,

1.7 Connection of a switching voltage

You can connect the switching signal of your preamplifier (if available) to the **TRIGGER** input (4). This allows the MA 30.3 to be conveniently switched on remotely as soon as the preamplifier is switched on. The assignment of the control socket is described in section 1.3.

NOTE: Please note that to play back a digital signal, an appropriate source with a compatible input signal must be present. Otherwise the message **NO DIG SIGNAL** will appear on the right side of the display instead of a volume value.

1.8 Connecting speakers

To connect the loudspeakers to the output sockets (5) of the MA 30.3, use only loudspeaker cables of good quality and sufficient cross-section. If in doubt, ask your dealer to recommend the optimal cable for your speaker. When connecting the loudspeakers, also ensure that the polarity is correct. The output socket of the MA 30.3 marked in red must be connected to the red speaker terminal or to the speaker terminal marked with a plus sign. The right and left channels must have the same speaker polarity. The MA 30.3 power amplifiers are each equipped with bi-wiring connections. The two red and white output terminals are internally connected in parallel.

NOTES: If you use banana plugs, tighten the outer parts of the sockets (clockwise) before plugging them in, so that they cannot make disturbing rattling noises during operation. If you want to connect bare cable ends or cable lugs, turn the outer parts of the jacks counterclockwise as far as they will go, insert the stripped cable ends or cable lugs from below into the openings provided in the speaker terminals and then tighten the outer parts of the jacks by turning them clockwise.

In order to take full advantage of the sonic benefits of the mono block concept, it is recommended to place the power amplifiers as close as possible to the controlled speaker. In this way, you obtain short distances for the transport of electrical power from the power amplifier to the loudspeaker.

2 Operation

2.1 Switching device on / off

The mains switch (10) is located on the back of the MA 30.3 To switch on, set it to position "1". In position "0", the MA 30.3 is disconnected from the mains.

ATTENTION: The unit is not completely disconnected from the mains in standby mode. To prevent damage, we therefore strongly recommend that you disconnect your MA 30.3 from the mains supply during a thunderstorm or when you are absent for long periods of time using the mains switch (10) located on the rear panel or by pulling out the mains plug.

2.2 Selecting the operating mode

The control LED (1) on the front panel informs you about the operating status of the MA 30.3 In standby mode, it only lights up weakly. As soon as the MA 30.3 is in operation, the operation indicator LED lights up in a strong blue. With the operating mode selector switch (6) on the rear, you can select from the following operating modes:

2.2.1 Remote activation via a preamplifier (TRIGGER / AIR)

Remote power-on via a preamplifier with a switching output activates the MA 30.3 as soon as you switch on the preamplifier. When the preamplifier is switched off again, the MA 30.3 goes into standby mode as well.

If you have a recent AVM preamplifier equipped with **AIR** technology (**AVM Intelligent Remote**), this will send a signal to the MA 30.3 when it is switched on. If the preamplifier is switched off, it sends the switch-off signal to the MA 30.3 beforehand and the MA 30.3 automatically goes into standby mode. A separate trigger cable is not necessary for this operating mode, since the signals are sent inaudibly over an existing AF connection.

2.2.2 Continuous operation (ON)

The MA 30.3 are always ready for operation as soon as they are switched on with the mains switch (10).

2.2.3 Automatic switch-on via audio signal (AUTO)

In position **AUTO**, the MA 30.3 switches on automatically as soon as an audio signal is detected from a connected preamplifier. If no audio signal is present for more than 5-10 minutes, the MA 30.3 returns to standby mode.

Please note that to activate a newly selected operating mode, the MA 30.3 must be switched off for a short time of approx. 10 seconds using the mains switch (10) on the rear panel. After you have switched on the power amplifiers again, the newly selected operating mode is activated.

3 Appendix

3.1 Cleaning

Surface and pressure of the housing are largely scratch-resistant. It can be cleaned with mild soapy water or a glass cleaner and a soft duster.

ATTENTION: Do not allow any liquid to enter the inside of the housing during cleaning. In addition, for safety reasons, the power cord should be disconnected before damp wiping. Do not use solvents or abrasive cleaners that could damage the surface or printing on the housing.

3.2 Troubleshooting

Often alleged defects can be traced back to operating errors. Before you contact us about a defect, please check the functions of your mono blocks using the following checklist:

No music playback

- First check if the preamplifier and the selected signal source work correctly. The easiest way to do this is to check the function of the preamplifier e.g. with headphones. Please do not forget to remove the headphone plug afterwards.
- Make sure that there is no interruption (or short circuit) in the signal cable between mono blocks and preamplifier.
- Check the connection cables between the mono block and the connected speaker for short circuit or interruption.

After switching off the preamplifier, the mono blocks do not automatically go to STANDBY (after about 5 to 10 minutes), although the operating mode has been selected to AUTO.

- Please check if after switching off the preamplifier there are soft humming or chirping noises coming from the speakers. If this is the case, interferences in the cable interfere with the automatic switch-on. This interprets the interference as a music signal and therefore does not switch off the mono blocks. Lay the cable so that no interference is interfered with. With balanced cables, an error in the pin assignment can also be the cause.

Hum during music playback

- Possibly the cable is damaged: The shield of the audio cable has a break, or the RCA plug does not have a good ground contact (bend carefully). Use a balanced cable with wrong assignment (the assignment of the XLR socket is described in chapter 1).

Device does not switch on, or switches off during operation and the blue power indicator LED flashes

In this case one of the protection circuits has responded. The underlying error is diagnosed by the integrated processor and indicated by the diagnosis LEDs (7, 8) on the rear panel.

- LED **OVERHEAT** flashes: The output stage is overheated. Switch it off with the power switch (10) on the rear panel and wait until it has cooled down again.
- LED **OVERLOAD** flashes: The MA 30.3 was overloaded due to a short circuit or a defect in the loudspeaker. Switch off the device and check if the loudspeaker cable is short circuited. In case of bi-wiring, a short circuit can also be caused by the wrong connection of the two loudspeaker cables.
- LED **OVERHEAT** and **OVERLOAD** are flashing simultaneously: a defect has occurred at the power amplifier. Please contact your specialist dealer.

3.3 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.

3.4 Specifications

Input sensitivity RCA/XLR	332 mV (25 W / 4 Ω)
Input impedance RCA	33 k Ω
Input impedance XLR	66 k Ω
Signal-to-noise ratio (25 W / 4 Ω)	97 dB(A)
THD	0.03 %
Frequency response	< 5 Hz- 50 kHz
Damping factor (8 Ω)	>500
Output power	136 watts (8 Ω) / 232 watts (4 Ω) / 348 (2 Ω)
Supply voltage	230 Volt / 50 Hz
Power consumption	32 W
Power consumption max. (4 Ω)	380 W
Power consumption standby	0,2 W
Dimensions (W x H x D)	230 mm x 375 mm x 132 mm
Weight	10,1 kg

Changes reserved without notice.
2020/09/23.