



ELECTROCOMPANIET

If music really matters...



AW 250R

Balanced Poweramplifier

Owner's Manual



Unpacking the amplifier:

Immediately upon receipt of the amplifier, inspect the carton for possible damage during shipment. If the carton is visibly damaged, a claim must be filed with the carrier as soon as possible.

Unpack the unit carefully, and please do remember to save all packaging materials for future shipment. The carton and packaging have been designed to offer the safest possible protection when transporting your amplifier.

The content of the carton is as follows:

- 1 pcs Electrocompaniet Ampliwire 250 DMB-R
 - 1 pcs AC power cord
 - 1 Owner's Manual
 - 1 pcs Spare fuse, 10.0 AT slow-blow 5x20mm (120V AC)
 5.0 AT slow-blow 5x20mm (240V AC)
- The actual spare fuse is located inside the AC 3 pin receptacle.

Connecting the AW 250 DMB-R

Connecting to mains

Check that the mains voltage printed on the rear panel of the amplifier corresponds with the line voltage in the territory were you intend to use your amplifier.

How to avoid damages

A good operating practice is to turn off all equipment before any connections or disconnections are made. Do not under any circumstances connect or disconnect equipment when power is turned on. If you insist on connecting or disconnecting while power is turned on, you should be aware that the design of the RCA plug generates a large transient when inserting the plug. This could damage both the speakers and the amplifier.

The rear panel

The rear panel of the Ampliwire AW 250 DMB is equipped with two sets of RCA input sockets, marked + and -, and one XLR female socket, for each channel.

Single-ended (RCA) input and operation

Upon arrival, the amplifier is set for single-ended use with a shorting plug in the negative RCA input. This will short the negative (-) input of the amplifier to ground. With shorting plugs in position, the amplifier is ready to be connected in a normal way with a single ended preamplifier.

Balanced XLR input and operation

The balanced mode can only be used if the preamplifier has a balanced output. In order to use the balanced XLR- input, turn off the amplifier, and **remove the shorting plugs from the negative (-) RCA inputs.** Use an XLR interconnect with GND on pin 1, + on pin 2 and - on pin 3.

Balanced RCA input and operation

The balanced mode can only be used if the preamplifier has a balanced RCA output. Be sure the amplifier is turned off. Remove the shorting plugs. Use 2 single (1 stereo) interconnect cables from the preamplifier to each channel of the power amplifier, connecting + and - outputs from the preamplifier to the + and - inputs of the corresponding channel on the amplifier.

Make sure the + and - are not interchanged, as this will cause the system to operate out of phase, with very poor bass response as a result.

Operating instructions:

How to turn on your system

You should always turn on your equipment in this order: Signal source devices (CD, tuner, etc) and preamplifier are turned on first. Allow 30 seconds of preheating before you turn on your power amplifier. When turning your system off, you should start by switching off your power amplifier, then the preamplifier, and finally your signal source devices

After switching on the power amplifier, there will be a 5 seconds delay before the speakers are connected. This will prevent large turn on/off transients to reach the speakers.

Replacing a blown main fuse:

Always remove the AC cord from the Inlet

The main fuse is located inside a small drawer in the AC inlet of the unit. If, for some reason the fuse blows, turn the unit off, and remove the AC cord from the inlet.

Open the drawer with a small screwdriver and remove the broken fuse. The spare fuse is located in the hole in front of the main fuse. Push the new fuse gently out of the hole, and place it in correct position (where the blown fuse was removed). Push the drawer gently back to the closed position, connect the power cord and turn the unit on.

Never replace a blown fuse with other values than printed on the unit.

Warning:

The amplifier will be warm.

Due to the high class A operating point used in the Electrocompaniet design, it is normal that the amplifier feels warm. Proper ventilation will be needed, and the amplifier should not be covered. A good rule is to allow 1 - 2 inches of air sidewise, and 2 - 3 inches above the amplifier.

If placing the amplifier on the floor, be aware of carpets that can obstruct the ventilation underneath the amplifier.

Service Policy:

When service is needed

Your dealer will have all relevant information about the service centers in your area, and will ensure that your unit is serviced without delay. It is our general policy to have your amplifier returned to you within 5 working days. This is an average time, and could vary locally, depending on the work load at the service center.

If, for some reason, there are no service facilities available in your country, please ship the amplifier to the following address:

Electrocompaniet as
Breivikveien 7,
N-4210 Tau,
Norway

E-mail : service@electrocompaniet.no
www.electrocompaniet.no

You are responsible for all shipping charges, insurance, re-importation to your country, and duty arrangements. When shipping a product to the factory for service, always include the following:

- 1) A sales slip or other proof of purchase if repair is claimed under warranty.
- 2) A proforma invoice with value of the goods, stating that the amplifier is returned to Norway for repair.
- 3) An accompanying letter describing faults, symptoms, or problems with the amplifier.
- 4) Always ship the amplifier in its original carton and packaging material to prevent damage in transit.

Electrocompaniet will not accept responsibility for any damage caused in transit, how ever caused.

If you require further information concerning the amplifier operation, or if you have any questions related to service, please do not hesitate to contact your dealer or your national Electrocompaniet distributor.

Technical Specifications AW250R :

The following technical data were measured on randomised test objects and are typical data.

Amplifier section

Main voltage 120 V / 240 V. Clipping point of the amplifier is set to a level where total harmonic distortion (THD) is 0.2 %.

Output Impedance (20 Hz - 20 kHz)	< 0,008 Ohm
RCA (single) input impedance	220 kOhm
XLR (balanced) input impedance	110 kOhm
Input sensitivity for rated output	1 V
Max. peak current	> 100 A
THD (measured at 1 kHz half power, 8 Ohm)	< 0,001 %
THD (measured at 1 kHz -1 dB, 8 Ohm)	< 0,001 %
Noise (measured with both inputs shorted)	
400 Hz - 30 kHz :	90 μ V
10 Hz - 30 kHz :	100 μ V

Rated output power

10 % change in line voltage will give app. 20 % change in output power.

8 Ohm 2 x 250 W
4 Ohm 2 x 380 W
2 Ohm 2 x 625 W

Power consumption (no load or signal) 230 W

Dimensions

Width 483 mm / 19 inches
Depth 450 mm / 17 inches
Height 210 mm / 8.2 inches
Weight 39 kg. / 85.8 lbs.

The manufacturer reserves the right to alter these specifications without further notice.



Made in Norway

WWW.ELECTROCOMPANIET.NO