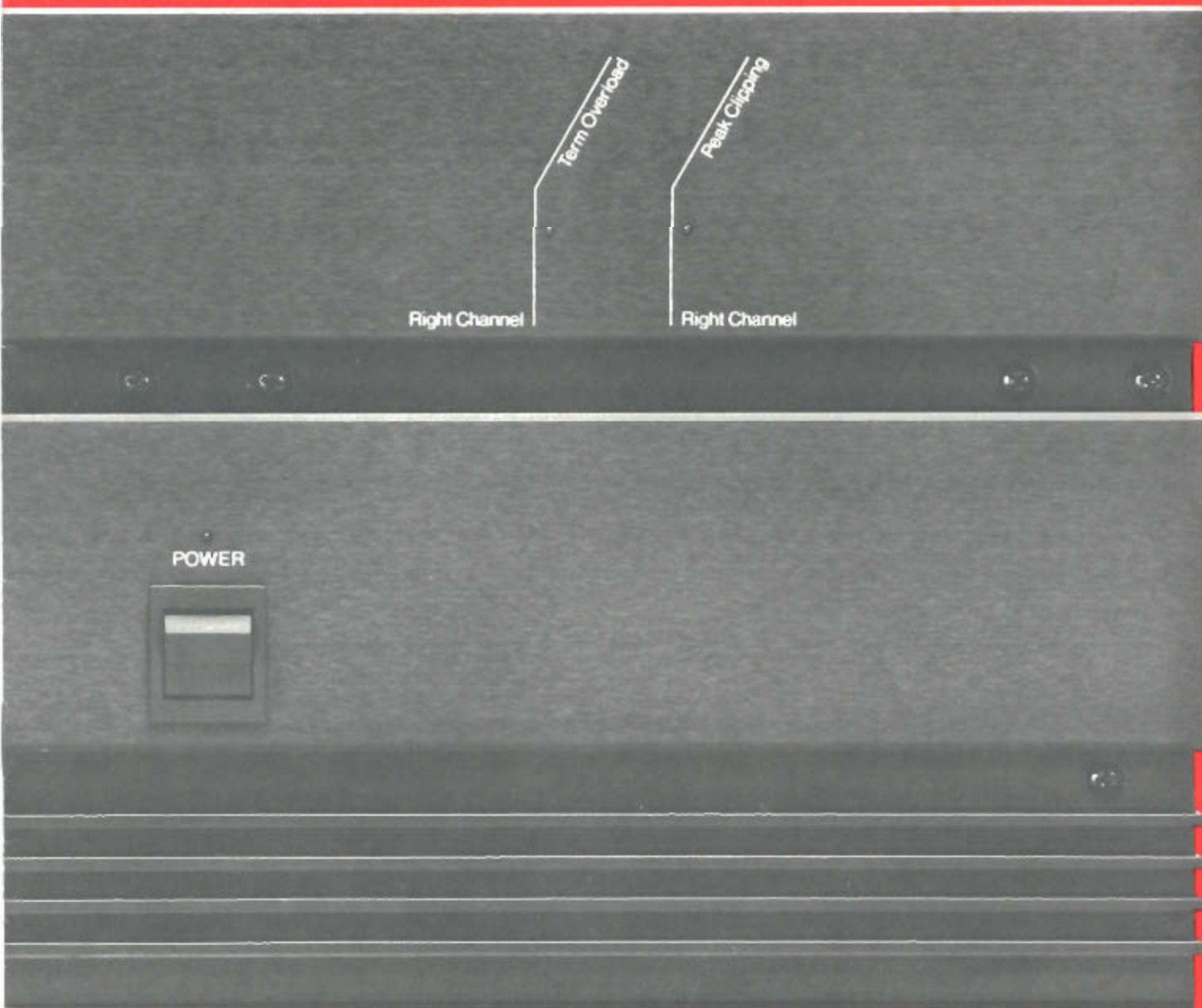

TANDBERG® TPA 3016A

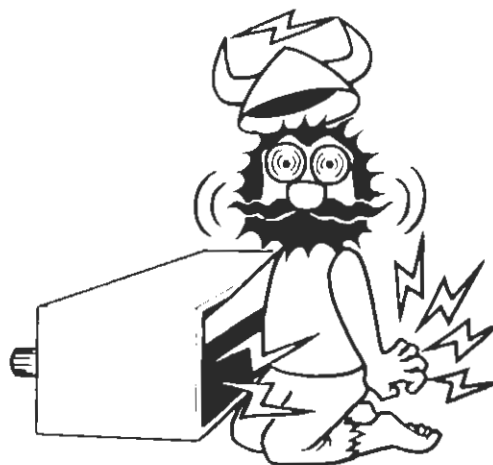
Operating Instructions



For your safety!

To prevent electrical shock or fire, do not expose electronic products to rain or moisture, and do not remove covers (or back). If anything fails, leave the repairs to a qualified technician.

Pull out the power plug during thunder storms and when you are away for a long time (e.g. holidays, etc.).



Contents

	Page
Power requirements	3
Connections	3
Mains switch	4
Peak Clipping indicators	4
Thermal Overload indicators	5
The temperature controlled fan	5
If a fuse is blown	5
Accessories (extras)	6
Technical Data	7

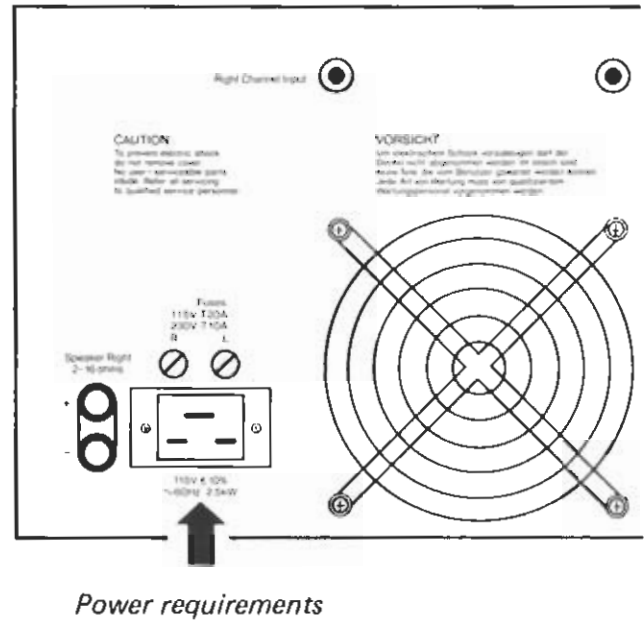
Power requirements

Make sure the power amplifier is marked at the rear panel with the correct voltage for your area, 230 V \pm 10%, 50 Hz or 115 V \pm 10%, 60 Hz.

Changing the voltage should be carried out by a competent service engineer.

The power consumption is 2500 watt maximum.

Fuses:
230 V, 50 Hz: 10 A, slow blow, 5 x 20 mm.
115 V, 60 Hz: 20 A, slow blow, 5 x 20 mm.
(One fuse for each channel!)



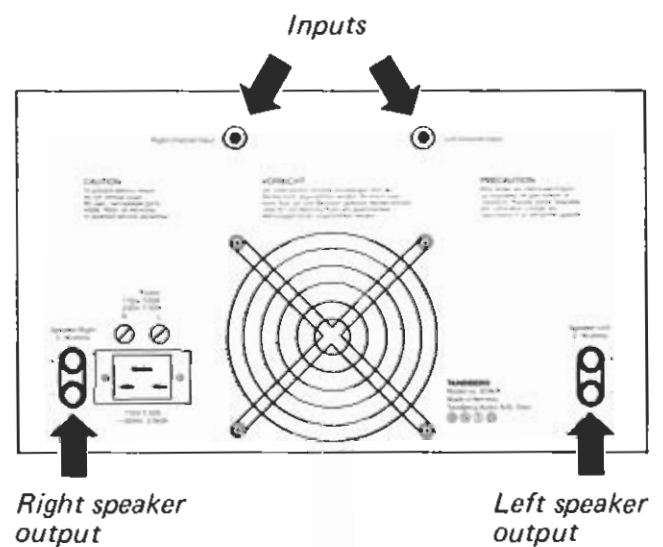
Connections

IMPORTANT! All connections should be carried out **before** the Power is switched on.

- Connect signal source to the input connectors.
- Connect speakers to the speaker terminals.

NOTE! Check the speaker polarity.

- Plug in the mains lead.

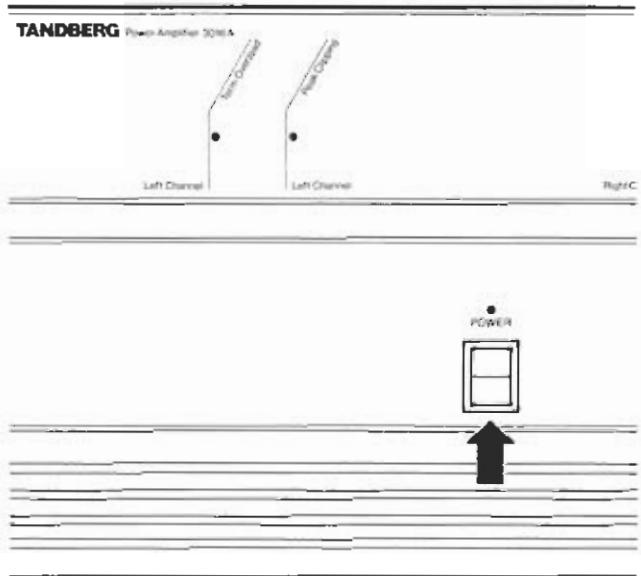


IMPORTANT! When placing this power amplifier in a rack or in a shelf, **always** be sure that sufficient ventilation is available.

Mains switch

Turn on the mains with the switch marked Power.

NOTE! A protection circuit will cause a few seconds delay. When switching on, some of the LEDs may flash up. This is normal.



Peak Clipping indicators

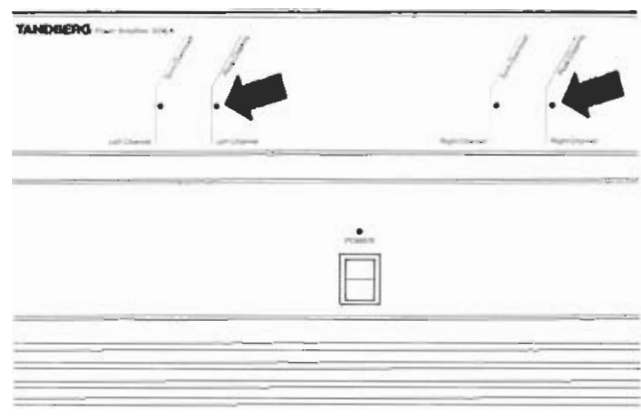
The indicators (one for each channel) will indicate when peak clipping of the signal occurs.

Protection circuits

Electronic circuits will protect the power amplifier against:

- Overload and short-circuiting of the speaker terminals.
- Flashback from inductive speaker loads.

The same circuits prevent damaging DC-voltage to reach the loudspeakers.



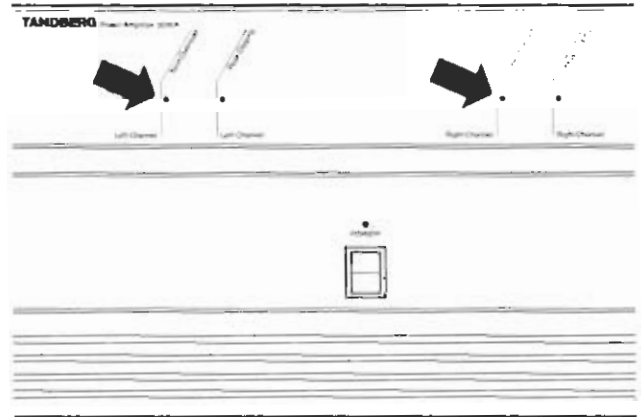
Thermal Overload indicators

The LEDs (one for each channel) will indicate if the temperature on the output transistors rises above normal operating temperature.

The thermal switch will then disconnect the speakers terminal from the output stage. When normal temperature conditions are resumed, the output automatically will be reset.

The temperature controlled fan

The fan is temperature controlled and the control circuit will adjust the speed depending on the operating temperature on the output transistors.

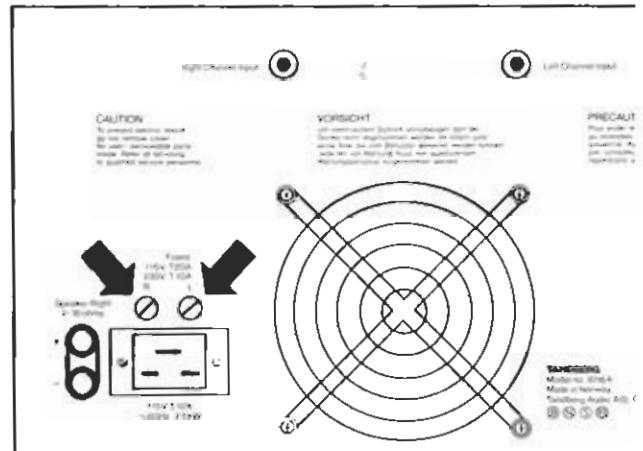


If a fuse is blown

Fuse L (left channel): No sound, left speaker.

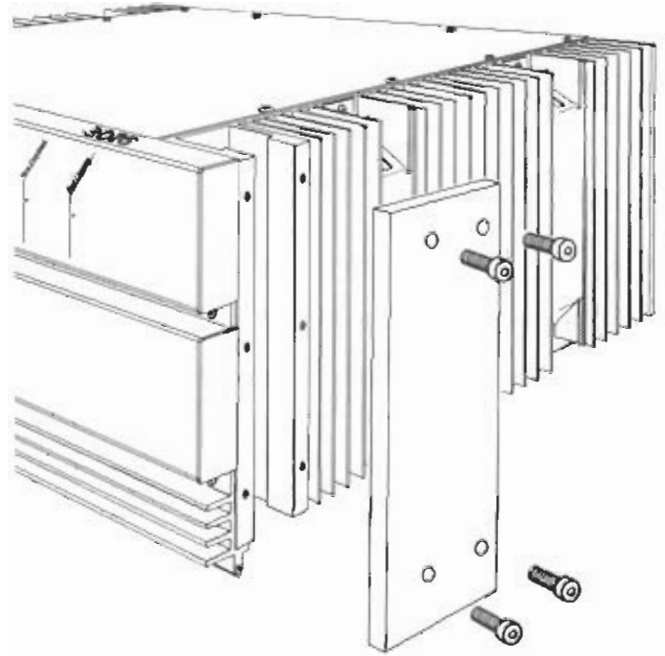
Fuse R (right channel): No sound **both** speakers.

No light Power LED.
(The relays for both channels are regulated from right channel).

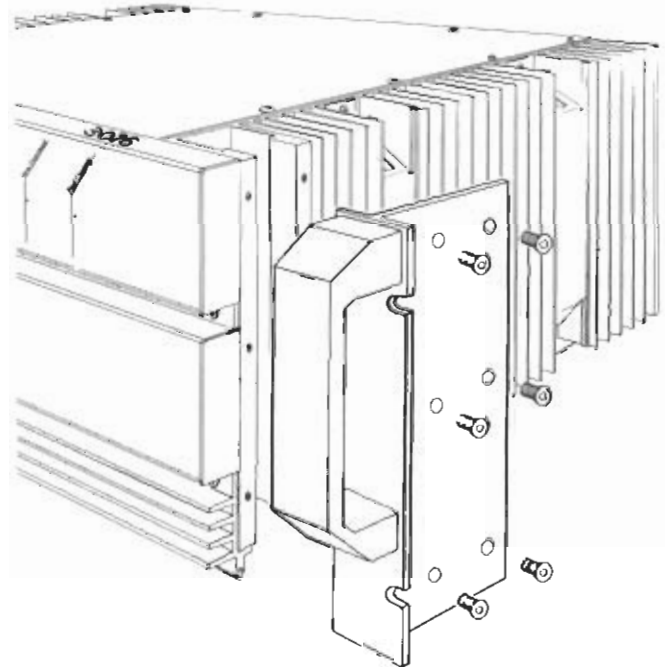


Accessories (extras)

Side Panels

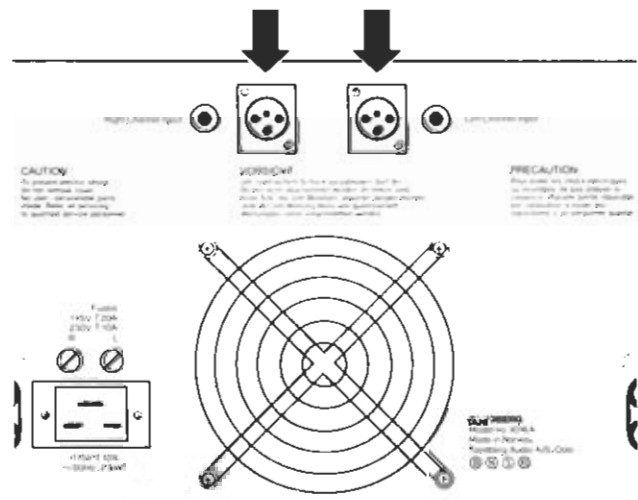


19"-rack mount kit with handles



Balanced inputs

The XLR sockets and the PC board must be installed and adjusted by an authorized Tandberg Service Station.



Technical Data

Tandberg Power Amplifier 3016A	Power requirements:	115 V \pm 10%, 60 Hz or 230 V \pm 10%, 50 Hz
	Power consumption:	210 – 2500 W
	Dimensions:	Width: 17 1/8" (43.5 cm) Depth: 13 3/4" (35.0 cm) Height: 8 11/16" (22.1 cm) Weight: 62 lbs (28 kg)

Technical Data according to IHF-A-202, 1978	Continuous Average Power Output:	(8 ohm, 20 – 20.000 Hz, THD < 0.05%)	220 W
	Frequency range:		+ 0/– 0,1 dB, 20 – 20.000 Hz
	A-weighted Signal-to-Noise ratio:	(Ref. 1 W/8 ohm)	92 dB

Secondary Disclosures	Output Impedance (20 – 20.000 Hz):		typical 0.02 ohm
	Wideband Damping Factor:		typical 400
	SMPTE Intermodulation Distortion:		typical 0.05%
	IHF Intermodulation Distortion:		typical 0.05%
	Channel Separation:		> 90 dB
	Transient Overload Recovery Time:		Immeasurable

Other Technical Data	Continuous Average Power Output in 4 ohm:		400 W
	Continuous Average Power Output in 2 ohm:		600 W
	Frequency range:		+ 0/– 0.2 dB, 0.07 – 1.5 MHz
	Sensitivity (1 W/8 ohm/1 kHz):		100 mV
	A-weighted Signal-to-Noise ratio:	(Ref. 220 W/8 ohm)	117 dB
	Pulse power:		2500 W in 0.5 ohm

* Specifications are subject to change for further improvement without notice.

Tandberg Audio A.s
Fetveien 1, P.O. Box 49
N-2007 Kjeller, Norway

