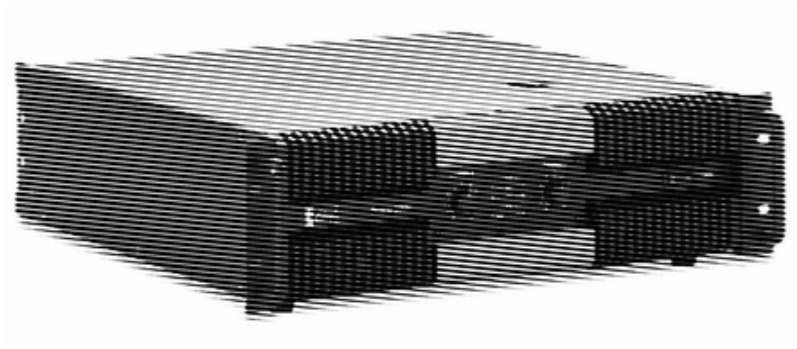




Proline 3000  
power amplifier



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# 1 General notes


This user manual contains important information on the safe operation of the device. Read and follow all safety notes and all instructions. Save this manual for future reference. Make sure that it is available to all persons using this device. If you sell the device to another user, be sure that they also receive this manual.

Our products are subject to a process of continuous development. We therefore reserve the right to make changes without notice.

## **Symbols and signal words**

This section gives an overview of the symbols and signal words used in this user manual.

Signal word	Meaning
<b>DANGER!</b>	This combination of symbol and signal word indicates an immediate dangerous situation that will result in death or serious injury if it is not avoided.
<b>CAUTION!</b>	This combination of symbol and signal word indicates a possible dangerous situation that can result in minor injury if it is not avoided.
<b>NOTICE!</b>	This combination of symbol and signal word indicates a possible dangerous situation that can result in material and environmental damage if it is not avoided.
Warning signs	Type of danger
	Warning – high-voltage.

Warning signs	Type of danger
	Warning – danger zone.

## 2 Safety instructions

### Intended use

Use the device only as described in this user manual. Any other use or use under other operating conditions is considered to be improper and may result in personal injury or property damage. No liability will be assumed for damages resulting from improper use.

This device may be used only by persons with sufficient physical, sensorial, and intellectual abilities and having corresponding knowledge and experience. Other persons may use this device only if they are supervised or instructed by a person who is responsible for their safety.

### Safety



#### **DANGER!**

#### **Danger for children**

Ensure that plastic bags, packaging, etc. are disposed of properly and are not within reach of babies and young children. Choking hazard!

Ensure that children do not detach any small parts (e.g. knobs or the like) from the unit. They could swallow the pieces and choke!

Never let children unattended use electrical devices.



**DANGER!**

**Electric shock caused by high voltages inside**

Within the device there are areas where high voltages may be present. Never remove any covers.

There are no user-serviceable parts inside.



**DANGER!**

**Electric shock caused by short-circuit**

Always use proper ready-made insulated mains cabling (power cord) with a protective contact plug. Do not modify the mains cable or the plug. Failure to do so could result in electric shock/death or fire. If in doubt, seek advice from a registered electrician.



**CAUTION!**

**Possible hearing damage**

With loudspeakers or headphones connected, the device can produce volume levels that may cause temporary or permanent hearing impairment.

Do not operate the device permanently at a high volume level. Decrease the volume level immediately if you experience ringing in your ears or hearing impairment.



**CAUTION!**

**Risk of injury due to heavy weight**

Due to the heavy weight of the device, at least two persons are required for transport and installation.



### **NOTICE!**

#### **Risk of fire**

Do not block areas of ventilation. Do not install the device near any direct heat source. Keep the device away from naked flames.



### **NOTICE!**

#### **Operating conditions**

This device has been designed for indoor use only. To prevent damage, never expose the device to any liquid or moisture. Avoid direct sunlight, heavy dirt, and strong vibrations.



**NOTICE!**

**Power supply**

Before connecting the device, ensure that the input voltage (AC outlet) matches the voltage rating of the device and that the AC outlet is protected by a residual current circuit breaker. Failure to do so could result in damage to the device and possibly injure the user.

Unplug the device before electrical storms occur and when it is unused for long periods of time to reduce the risk of electric shock or fire.



**NOTICE!**

**Magnetic fields**

The device generates strong magnetic fields that can interfere with the function of poorly shielded devices. The strongest magnetic fields are directly above and below the power amplifier. Therefore, never place sensitive devices such as pre-amplifiers, radio transmission systems, or tape decks directly above or below the power amplifier. When installing the power amplifier into a rack, you should place it in the lowest position, and further equipment such as pre-amplifiers in the highest position.

### 3 Installation and starting up

Unpack and check carefully there is no transportation damage before using the unit. Keep the equipment packaging. To fully protect the device against vibration, dust and moisture during transportation or storage use the original packaging or your own packaging material suitable for transport or storage, respectively.

Establish all connections as long as the unit is switched off. Use the shortest possible high-quality cables for all connections.



**DANGER!**

**Electric shock caused by high voltages at the power amplifier output**

The output voltages of modern high-performance amplifiers may result in death or serious injury.

Never touch the bare ends of loudspeaker cables when the amplifier is on.



**CAUTION!**

**Risk of injury due to heavy weight**

Due to the heavy weight of the device, at least two persons are required for transport and installation.



**NOTICE!**

**Magnetic fields**

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### **XLR sockets for signal inputs**



This model offers balanced XLR sockets for signal inputs. Drawing and table indicate the pin assignment.

1	Ground, shielding
2	Signal (+)
3	Signal (-)

### **1/4" phone sockets for signal inputs**

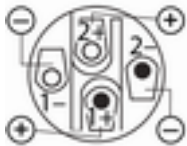
Drawing and table indicate the pin assignment of 1/4" phone jacks to be used (mono, balanced).



1	Signal (+)
2	Signal (-)
3	Ground, shielding

**speakON mounting connectors for speaker outputs**

The illustration alongside shows the pin assignment of the lockable speakON mounting connectors.



**Rack mounting**

The unit has been designed for rack mounting in a standard 19-inch rack; it occupies three rack units.

## Possible operation modes

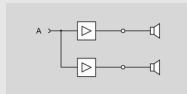
Depending on the individual application, the amplifier can be used in different operation modes:

### Stereo mode



The two amplifier channels operate independently of one another, either channel (A and B) is amplified and connected to loudspeakers, the volume can be controlled separately for the two outputs.

### Parallel mode



The two amplifier channels receive the same input signal from channel A and loudspeakers are connected to each amplifier. The volume is controlled via the control knob for channel A.

### Bridged mode



The two amplifier channels are internally connected in such a way that twice the output power is available. Only the input signal from channel A is amplified and loudspeakers are connected only to the correspondingly marked output. The volume is controlled via the control knob for channel A.

For each output of the amplifier, the total impedance resulting from the loudspeakers connected to it must not be below the allowed minimal impedance of the amplifier output. If you connect more than one loudspeaker to an amplifier output, please note the following:

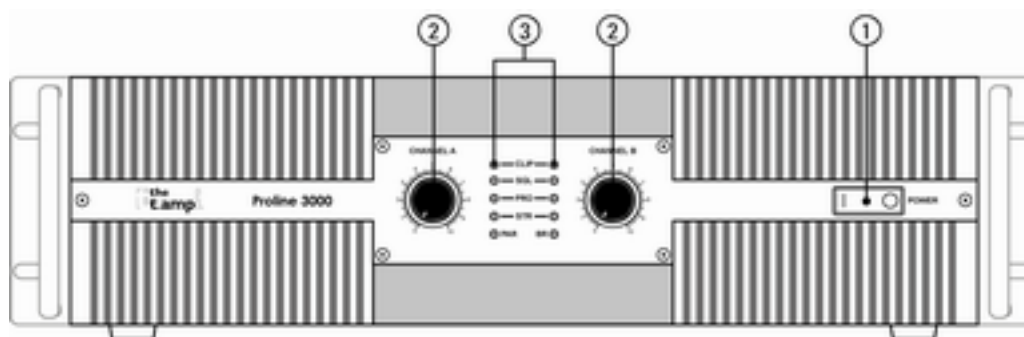
- If the loudspeakers are connected in a series, the individual impedances will be added up.
- If the loudspeakers are connected in parallel, the reciprocal of the total impedance equals the sum of the reciprocals of the individual impedances.

Example: If you have two loudspeakers with the same impedance, their impedance doubles if they are connected in a series, their impedance halves if they are connected in parallel.

For detailed information related to this topic please refer to our Online Guide 'PA Speakers' ([www.thomann.de](http://www.thomann.de)).

## 4 Connections and operating elements

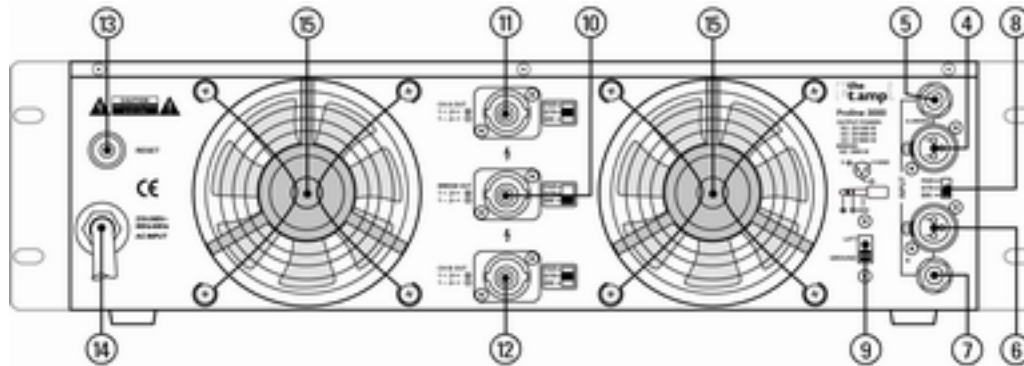
### Front panel



1	POWER	Mains switch to turn the unit on and off.
2	CHANNEL A / CHANNEL B	Volume control for the respective channel
3	LED indicators	
	CLIP	<p>Lights up subject to one of the following conditions:</p> <ul style="list-style-type: none"> <li>■ Overloading. In this case, reduce the volume until the LED turns off.</li> <li>■ Output short circuit. Turn off the unit immediately, fix the short circuit and turn the power back on.</li> </ul>
	SGL	Indicates an incoming input signal.

PRO	Lights up subject to one of the following conditions: <ul style="list-style-type: none"><li>■ Three to five seconds after turning on or off when the unit is in an unstable status.</li><li>■ No speaker is connected.</li><li>■ The temperature of the power amp blocks has reached 85 °C (185 °F).</li><li>■ One or more protection circuits have been activated, or the device is defective.</li></ul>
STR	Lights up when the unit is operated in stereo mode.
PAR	Lights up when the unit is operated in parallel mode.
BRI	Lights up when the unit is operated in bridged mode.

Rear panel



- |   |   |
|---|---|
| 4 | XLR mounting socket for the input signal in channel A |
| 5 | 1/4" phone socket for the input signal in channel A   |
| 6 | XLR mounting socket for the input signal in channel B |
| 7 | 1/4" phone socket for the input signal in channel B   |

8	Selector switch for operating mode <ul style="list-style-type: none"><li>■ PAR: Parallel mode</li><li>■ STR: Stereo mode</li><li>■ BR: Bridged mode</li></ul>
9	Ground/Lift switch <p>If a ground loop should cause hum noise, you can use this switch to disconnect the signal ground from the earthing of the power amp.</p>
10	speakON mounting connector for speaker output in bridged mode operation (1+, 2+: positive; 1-, 2-: negative)
11	speakON mounting connector for speaker output in channel A (1+, 2+: positive; 1-, 2-: negative)
12	speakON mounting connector for speaker output in channel B (1+, 2+: positive; 1-, 2-: negative)
13	RESET <p>Resettable fuse. The fuse switches off at too high current consumption of the amplifier. Once the problem is solved, the fuse will automatically be reset, the device is operational again. The switch can be used to force a reset.</p>
14	Mains cable
15	Fan

## 5 Technical specifications

Output power	Stereo, 8 $\Omega$ : 2 $\times$ 1100 W
	Stereo, 4 $\Omega$ : 2 $\times$ 1500 W
	Stereo, 2 $\Omega$ : 2 $\times$ 1800 W
	Bridged, 8 $\Omega$ : 3000 W
	Parallel, 2 $\Omega$ : 3000 W
Frequency response, $\pm$ 1,5 dB	20 Hz...20 kHz
Input sensitivity	0.77 V
Signal-to-noise ratio	$\geq$ 100 dB
Slew rate	45 V/ $\mu$ s
Crosstalk at rated output power @ 8 $\Omega$ , 1 kHz	> 70 dB
Damping factor	> 700
Inputs	XLR sockets, 1/4" phone sockets (balanced)

## Technical specifications

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Outputs	speakON mounting connectors
Cooling system	Temperature-controlled fan cooling
Voltage supply	AC 220 – 240 V ~, 50/60 Hz
Power consumption (at 50 % of rated output power @ 8 $\Omega$ )	1550 W
Dimensions (W × D × H)	482 mm × 460.5 mm × 132 mm
Weight	37 kg

## 6 Protecting the environment

### Disposal of the packaging material



For the transport and protective packaging, environmentally friendly materials have been chosen that can be supplied to normal recycling.

Ensure that plastic bags, packaging, etc. are properly disposed of.

Do not just dispose these materials with your normal household waste, but make sure that they are fed to a recovery. Please follow the notes and markings on the packaging.

### Disposal of your old device



This device is subject to the European directive 2002/96/EC.

Do not dispose the device with your normal household waste.

Dispose this device through an approved waste disposal firm or through your local waste facility. When discarding the device, comply with the rules and regulations that apply in your country. If in doubt, consult your local waste disposal facility.





