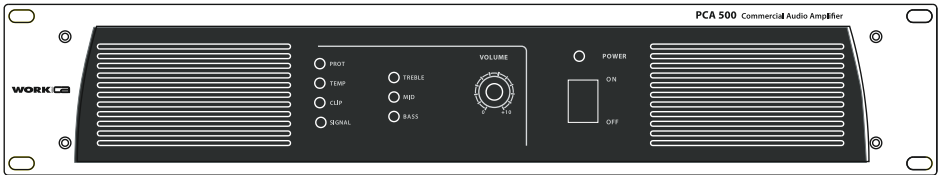


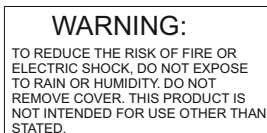
## PCA 500



## User Manual



## SAFETY RELATED SYMBOLS



## GRAPHICAL SYMBOLS EXPLANATION



This symbol, wherever used, alerts you to the presence of un-insulated and dangerous voltages within the product enclosure. These are voltages that may be sufficient to constitute the risk of electric shock.



This symbol, wherever used, alerts you to important operating and maintenance instructions. Please read.



Protective Ground Terminal



AC mains (Alternating Current)



Hazardous Live Terminal

**ON:** Denotes the product is turned on.

**OFF:** Denotes the product is turned off.

**WARNING**

Describes precautions that should be observed to prevent the possibility of death or injury to the user.

**CAUTION**

Describes precautions that should be observed to prevent damage to the product.

**WARNING****Power Supply**

Ensure that the mains source voltage (AC outlet) matches the voltage rating of the product. Failure to do so could result in damage to the product and possibly the user.

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

**External Connection**

Always use proper ready-made insulated mains cabling (power cord). Failure to do so could result in shock or fire. If in doubt, seek advice from a registered electrician.

**Do not Remove Any Cover**

Within the product are areas where high voltages may be present. To reduce the risk of electric shock do not remove any covers unless the AC mains power cord is removed.

**Covers should be removed by qualified service personnel only.**

No user serviceable parts inside.

**Fuse**

To prevent fire and damage to the product, use only the recommended fuse type as indicated in this manual. Do not short-circuit the fuse holder. Before replacing fuse, make sure that the product is OFF and disconnected from the AC outlet.

**Protective Ground**

Before turning the product ON, make sure that it is connected to Ground. This is to prevent the risk of electric shock.

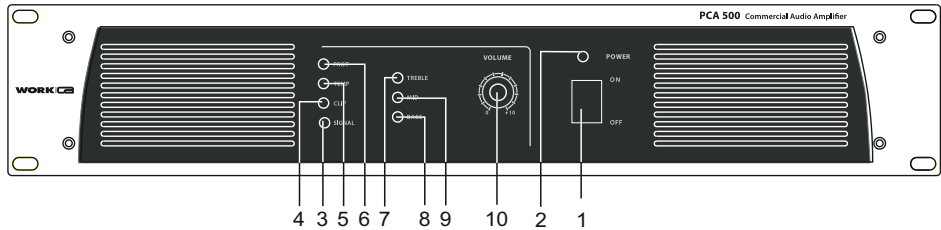
Never cut internal or external Ground wires. Likewise, never remove Ground wiring from the Protective Ground Terminal.

**Operating Conditions**

Always install in accordance with the manufacturer's instructions.

To avoid the risk of electric shock and damage, do not subject the product to any liquid/rain or moisture. Do not use this product when in close proximity to water. Do not install this product near any direct heat source. Do not block areas of ventilation.

## FRONT PANEL

**1). POWER switch**

The POWER switch is used to turn the power of the unit on and off. The power is on when the switch is in the "ON" position; the power is off when the switch is in the "OFF" position.

**2). POWER LED**

This LED lights up when the power is on; the LED goes off when the power is off.

**3). SIG LED**

This LED lights up when the output is above 200mV.

**4). CLIP LED**

The LED blinking indicates that the nominal level threshold of the input signal has been exceeded.

**NOTE: If the clip LED is lit continuously immediately reduce the input level in order not to reach high distortion levels or damage the connected speakers.**

**5). TEMP LED**

When the unit is too hot, the temperature protection system engages and the LED lights up.

During protection, there is no signal output. The temperature protection system and LED will go off and the unit will resume operation and output signal once again once the temperature has fallen to a safe operating temperature.

**6). PROT LED**

The protection LED lights in the case of abnormal operation (e.g. Output load short circuit protection or over load protection).

**7). Built-in Treble control**

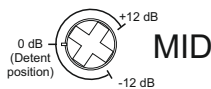
Use a miniature screwdriver to adjust the Treble control as required. The adjustment range is  $\pm 12$ dB.

**8). Built-in Bass control**

Use a miniature screwdriver to adjust the Mid control as required. The adjustment range is  $\pm 12$ dB

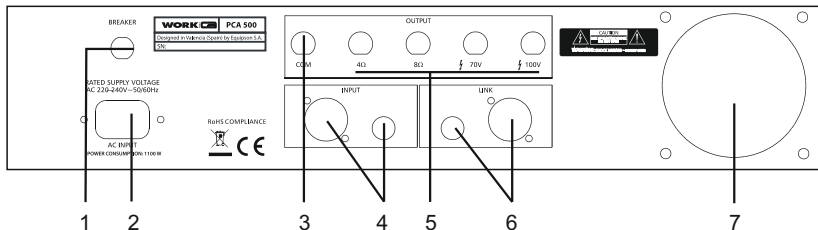
**9). Built-in Mid control**

Use a miniature screwdriver to adjust the Mid control as required. The adjustment range is  $\pm 12$ dB.

**10). Volume control**

This knob is used to adjust the volume.

## REAR PANEL



### 1. BREAKER

It acts as circuit breaker, disconnecting the unit when excessive AC current is drawn and protecting the installation.

### 2. Mains input socket

The connector is used to connect the supplied main cords. After assuring the setting is correct, connect one end of the power cord to the unit and insert the other end to the power socket.

### 3. COM output terminal

This terminal is the common output terminal.



### 4. XLR AND 1/4" TRS JACK INPUT

These two connectors provide the balanced input.

### 5. Loudspeaker output terminals

These binding post terminals provide connections for 4 or 8 ohm low impedance loads and 70V, 100V high impedance loads.

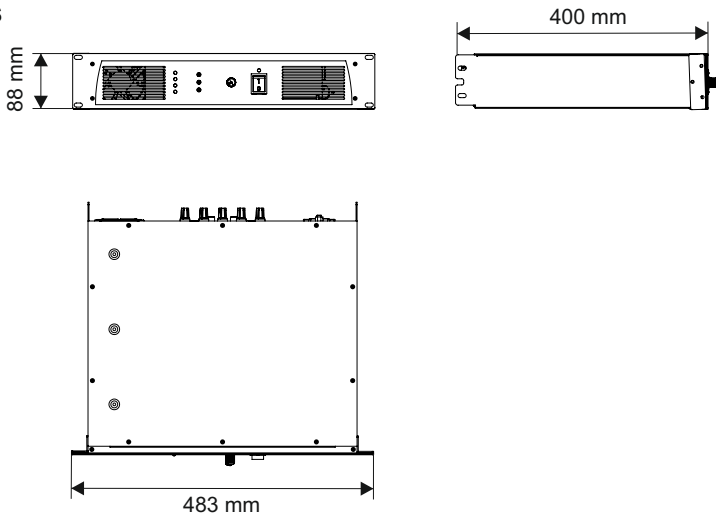
### 6. XLR AND 1/4" TRS JACK LINK

These two connectors provide a parallel output. This can be used to connect the same signal to further devices such as power amplifiers.

### 7. Fan

The fan provides internal cooling of the amplifier (air is drawn in the front and exhausted at the rear). The rotation speed is proportional to inner temperature.

## DIMENSIONS



## TECHNICAL SPECIFICATIONS

|                              |   |
|------------------------------|---|
| Output Power (Rated)         | 480 W   |
| <b>INPUT</b>                 |   |
| LINE (Impedance/Sensitivity) | 20 k $\Omega$ / 1 V                                     |
| Connection Type              | XLR 3p female / Jack 1/4" socket                        |
| <b>OUTPUTS</b>               |   |
| Direct Outputs               | 4, 8 $\Omega$ / 70, 100 V                               |
| Connection Type              | Binding Post  |
| LINK Connection Type         | XLR 3p male / Jack 1/4" socket                          |
| Frequency Response           | 50 Hz - 22 kHz +/- 3dB                                  |
| EQ Control (Bass)            | $\pm$ 12 dB / 20 Hz - 80 Hz /Centre frequency 30 Hz     |
| EQ Control (Middle)          | $\pm$ 12 dB / 350 Hz - 2 kHz /Centre frequency 800 Hz   |
| EQ Control (Treble)          | $\pm$ 12 dB / 6.3 kHz - 20 kHz /Centre frequency 16 kHz |
| S/N ratio                    | > 90 dB   |
| Main Supply AC power         | 230 V - 50/60 Hz  |
| Consumption                  | 1100 W  |
| Dimensions                   | 483 x 88 x 400 mm ( W x H x D)                          |
| Weight                       | 20 kg.  |





## Important Warranty Information

WORK pro CA products are exclusively distributed in Europe by

Yamaha Music Europe GmbH.  
Siemensstrasse 22-34  
D-25462 Rellingen, b. Hamburg, Germany

- EN For information regarding the warranty and for user manuals in other languages please go to:**
- FR Les manuels d'utilisation en français ainsi que les informations concernant la garantie son accessible à l'adresse suivante:**
- DE Die deutschen Bedienungsanleitungen und Informationen zu der Gewährleistung finden sie auf der Website:**
- ES Para la información relativa a las condiciones de garantía y los manuales de usuario en español, por favor acceda a la página web:**
- IT Per le informazioni riguardanti la garanzia e per i Manuali d'Uso nelle altre lingue si prega di visitare il sito:**

<http://www.workproca.com>



This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

Manufactured by **EQUIPSON, S.A.**