



PW3000M
POWER SUPPLY

Owner's Manual
Mode d'emploi
Bedienungsanleitung

FCC INFORMATION (U.S.A.)

1. **IMPORTANT NOTICE: DO NOT MODIFY THIS UNIT!** This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modifications not expressly approved by Yamaha may void your authority, granted by the FCC, to use the product.
2. **IMPORTANT:** When connecting this product to accessories and/or another product use only high quality shielded cables. Cable/s supplied with this product **MUST** be used. Follow all installation instructions. Failure to follow instructions could void your FCC authorization to use this product in the USA.
3. **NOTE:** This product has been tested and found to comply with the requirements listed in FCC Regulations, Part 15 for Class "B" digital devices. Compliance with these requirements provides a reasonable level of assurance that your use of this product in a residential environment will not result in harmful interference with other electronic devices. This equipment generates/uses radio frequencies and, if not installed and used according to the instructions found in the users manual, may cause interference harmful to the operation of other electronic devices. Compliance with FCC regulations does not guarantee that interference will not occur in all installations. If this product is found to be the source of interference, which can be determined by turning the unit "OFF" and "ON", please try to eliminate the problem by using one of the following measures: Relocate either this product or the device that is being affected by the interference. Utilize power outlets that are on different branch (circuit breaker or fuse) circuits or install AC line filter/s. In the case of radio or TV interference, relocate/reorient the antenna. If the antenna lead-in is 300 ohm ribbon lead, change the lead-in to coaxial type cable. If these corrective measures do not produce satisfactory results, please contact the local retailer authorized to distribute this type of product. If you can not locate the appropriate retailer, please contact Yamaha Corporation of America, Electronic Service Division, 6600 Orangethorpe Ave, Buena Park, CA 90620

The above statements apply **ONLY** to those products distributed by Yamaha Corporation of America or its subsidiaries.

WARNING: THIS APPARATUS MUST BE EARTHED

IMPORTANT

THE WIRES IN THIS MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE:

GREEN-AND-YELLOW :	EARTH
BLUE :	NEUTRAL
BROWN :	LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured GREEN and YELLOW must be connected to the terminal in the plug which is marked by the letter E or by the safety earth symbol \equiv or coloured GREEN and YELLOW.

The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK.

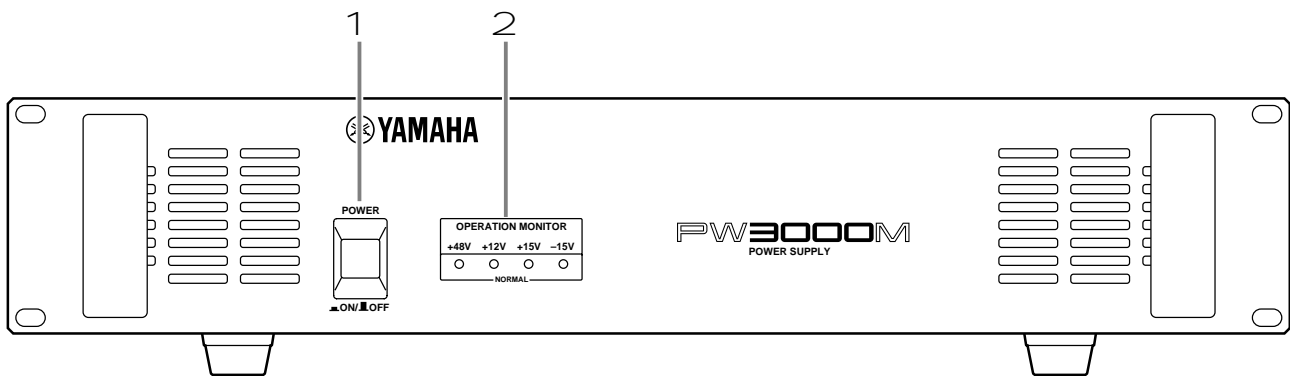
The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.

* This applies only to products distributed by YAMAHA KEMBLE MUSIC (U.K.) LTD.

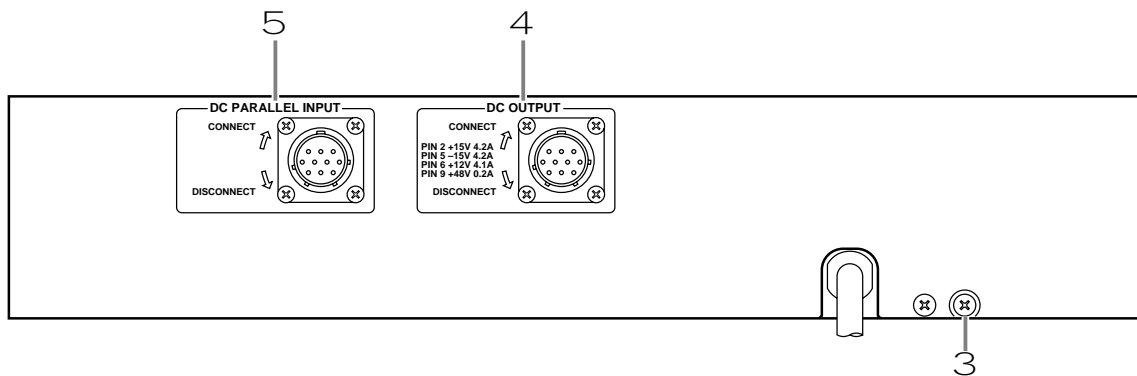
■ Precautions

- Connect the power supply power cord only to an AC outlet of the type stated in this *Owner's Manual* or as marked on the power supply unit. Failure to do so is a fire and electrical shock hazard.
- Do not locate the power supply unit in a place subject to excessive heat or in direct sunlight. This could be a fire hazard.
- Do not place the power supply unit in a place subject to excessive humidity or dust. This could be a fire and electrical shock hazard.
- Do not plug several devices into the same AC outlet. This may overload the AC outlet, and could be a fire and electrical shock hazard. It may also affect the performance of some equipment.
- Do not place heavy objects on the power cord. A damaged power cord is a potential fire and electrical shock hazard.
- If the power cord is damaged (i.e., cut or a bare wire is exposed), ask your dealer for a replacement. Using the power supply unit in this condition is a fire and shock hazard.
- Hold the power cord plug when disconnecting from an AC outlet. Never pull the cord. Damaging the power cord in this way is a potential fire and electrical shock hazard.
- Do not place small metal objects on top of the power supply unit. Metal objects inside the power supply unit are a fire and electrical shock hazard.
- Do not block the power supply unit ventilation slots. The power supply unit has ventilation slots at the front to prevent the internal temperature from rising. Blocked ventilation slots are a fire hazard.
- Leave a reasonable amount of free-air space around the power supply unit.
- If the power supply unit is to be rack mounted, leave at least 10 cm free above the top panel and behind the rear panel. When the power supply unit is in use, remove the rear of the rack, or open its ventilation slots to prevent overheating, which could be a fire hazard.
- Do not try to modify the power supply unit. This could be a fire and electrical shock hazard.
- The power supply unit operating temperature is between 5°C and 35°C (41°F and 95°F).
- Turn off all audio devices and speakers when connecting to the power supply unit. Refer to the owner's manual for each device. Use the correct cables and connect as specified.
- If you notice any abnormality—such as smoke, odor, or noise—turn off the power supply unit immediately. Remove the power cord from the AC outlet. Confirm that the abnormality is no longer present. Consult your dealer for repair. Using the power supply unit in this condition is a fire and shock hazard.
- If a foreign object or water gets inside the power supply unit, turn it off immediately. Remove the power cord from the AC outlet. Consult your dealer for repair. Using the power supply unit in this condition is a fire and electrical shock hazard.
- If you plan not to use the power supply unit for a long period of time, remove the power cord from the AC outlet. Leaving the power supply unit connected is a fire hazard.
- Do not use benzene, thinner, cleaning detergent, or a chemical cloth to clean the power supply unit. Use only a soft, dry cloth.
- The power supply unit uses high-frequency digital circuits that may cause interference on radios and televisions placed close to it. If interference does occur, relocate the affected equipment.

■Front panel



■Rear panel



The PW3000M power supply should be installed in a well ventilated location.

In particular, the front and rear panels must not be blocked, since the ventilation path passes through them.

A POWER ON/OFF switch

After connections to the M3000 have been completed, turn this switch on to supply power to the M3000.

B Operation monitor

Four LEDs indicate the status of the power that is being supplied to the M3000. Normally (i.e., when no malfunction has occurred), the green LEDs (NORMAL) will light. If a malfunction occurs, the LED for that section of the power supply will go dark. Turn the power off and wait for a time before turning the power on again. If the same LED(s) are dark, contact a Yamaha service center.

C GND terminals

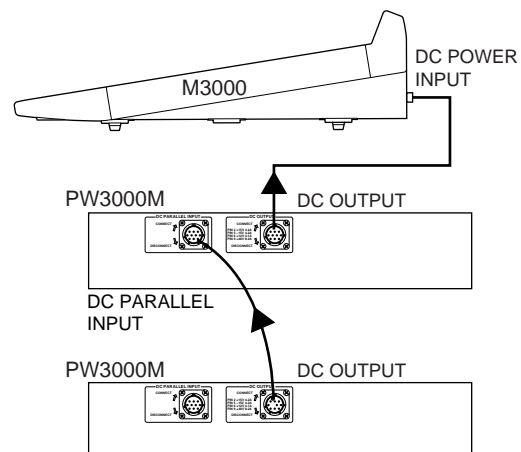
This is the grounding screw terminal. If hum or noise occurs, ground (earth) the unit via this jack, or try connecting it to the chassis of the other device.

D DC OUTPUT connector

Connect this connector to the M3000 to supply power to it.

E DC PARALLEL INPUT connector

This connector allows two PW3000M units to be connected in parallel. As shown in the following diagram, use the included parallel connection cable to make connections. In this case, the two PW3000M units will each supply 50% of the power in normal operation. Even in the unlikely event that one of the PW3000M units failed, the other PW3000M will supply 100% of the power, ensuring an uninterrupted power supply.



■ Specifications

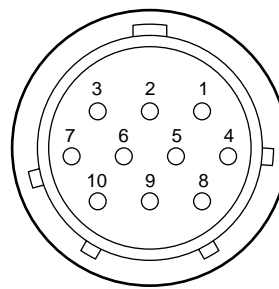
Power Requirements	USA and Canada: 120 V, 60 Hz Europe: 230 V, 50 Hz Others: 240 V, 50 Hz
Power Consumptions	USA and Canada: 400 W, 540 VA Europe: 380 W Others: 380 W
Dimension (W x H x D)	480mm x 103.5mm x 455mm
Weight	15kg

■ Power supply cable pin configuration

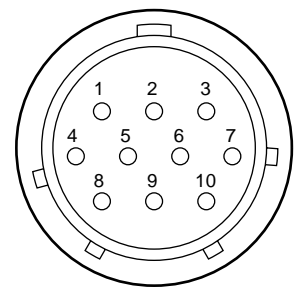
Pin No.	Signal name
1	Power supply remote
2	+15 V
3	±15 V GND
4	+48 V GND
5	-15 V
6	+12 V
7	+12V GND/ power supply remote
8	Power supply remote
9	+48 V
10	FRAME GND

Power supply connector

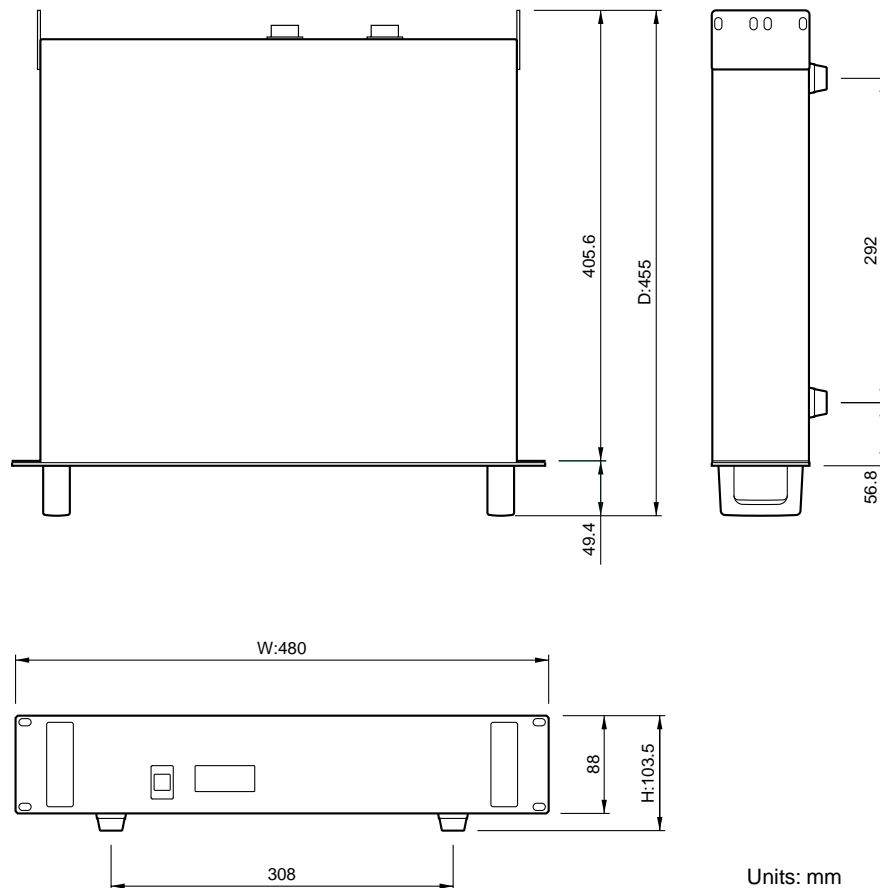
DC PARALLEL INPUT



DC OUTPUT



■ Dimensions



- Specifications and appearance are subject to change without notice for improvement.