



POWER SUPPLY PW800W

- **Owner's Manual**
- **Bedienungsanleitung**
- **Mode d'emploi**
- **Manual de instrucciones**

Thank you for purchasing a PW800W Power Supply.

The PW800W has been specifically designed for use with Yamaha professional audio equipment. In order to achieve optimum performance from the PW800W, and take full advantage of the features it provides, please read this manual carefully and keep it handy for future reference.

- * The illustrations as shown in this Owner's Manual are for instructional purposes only, and may be different from the ones on your device.
- * The company names and product names in this Owner's Manual are the trademarks or registered trademarks of their respective companies.

Vielen Dank für Ihren Kauf eines PW800W-Netzgeräts.

Das PW800W ist speziell für den Einsatz mit professionellen Yamaha-Audiogeräten konzipiert. Um die optimale Leistung des PW800W zu gewährleisten und seine Funktionen voll auszunutzen, lesen Sie diese Anleitung bitte sorgfältig durch, und bewahren Sie sie zum späteren Nachschlagen griffbereit auf.

- * Die Abbildungen in dieser Bedienungsanleitung dienen lediglich der Instruktion und können vom tatsächlichen Erscheinungsbild auf Ihrem Gerät abweichen.
- * Die in dieser Bedienungsanleitung erwähnten Firmen- und Produktnamen sind Warenzeichen bzw. eingetragene Warenzeichen der betreffenden Firmen.

Merci d'avoir choisi une source d'alimentation PW800W.

Le PW800W a été spécialement conçu pour être utilisé avec l'équipement audio professionnel Yamaha. Pour des performances optimales du PW800W et tirer le meilleur parti des fonctionnalités qu'il offre, veuillez lire attentivement le présent mode d'emploi que vous garderez ensuite à portée de main pour toute référence ultérieure.

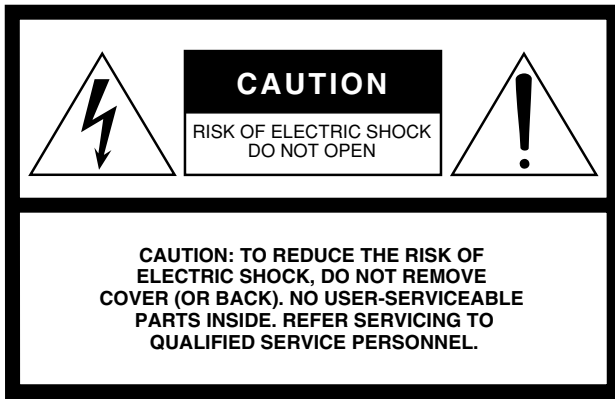
- * Les illustrations figurant dans ce mode d'emploi sont à titre indicatif uniquement et peuvent différer de celles apparaissant sur votre dispositif.
- * Les noms de sociétés et de produits cités dans ce mode d'emploi sont des marques commerciales ou des marques déposées appartenant à leurs détenteurs respectifs.

Gracias por haber adquirido una fuente de alimentación PW800W.

La PW800W ha sido específicamente diseñada para su uso con equipos de sonido profesionales de Yamaha.

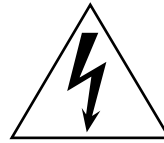
Para conseguir un rendimiento óptimo y aprovechar plenamente todas sus prestaciones, lea detenidamente este manual y téngalo a mano para futuras consultas.

- * Las ilustraciones que se muestran en este manual de instrucciones sólo tienen propósitos ilustrativos y pueden ser diferentes de las del dispositivo.
- * Los nombres de empresas y de productos que aparecen en este manual son marcas comerciales o registradas de sus respectivas compañías.



The above warning is located on the top of the unit.

Explanation of Graphical Symbols



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

IMPORTANT SAFETY INSTRUCTIONS

- 1 Read these instructions.
- 2 Keep these instructions.
- 3 Heed all warnings.
- 4 Follow all instructions.
- 5 Do not use this apparatus near water.
- 6 Clean only with dry cloth.
- 7 Do not block any ventilation openings. Install in accordance with the manufacturer’s instructions.
- 8 Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9 Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.

- 10 Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11 Only use attachments/accessories specified by the manufacturer.
- 12 Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13 Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14 Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



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 co-axial 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, CA90620

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

* This applies only to products distributed by YAMAHA CORPORATION OF AMERICA.

(class B)

IMPORTANT NOTICE FOR THE UNITED KINGDOM


Connecting the Plug and Cord

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  or colored GREEN or 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. (3 wires)

PRECAUTIONS

PLEASE READ CAREFULLY BEFORE PROCEEDING

* Please keep this manual in a safe place for future reference.



WARNING

Always follow the basic precautions listed below to avoid the possibility of serious injury or even death from electrical shock, short-circuiting, damages, fire or other hazards. These precautions include, but are not limited to, the following:

Power supply/Power cord

- Only use the voltage specified as correct for the device. The required voltage is printed on the name plate of the device.
- Use only the supplied power cord.
- Do not place the power cord near heat sources such as heaters or radiators, and do not excessively bend or otherwise damage the cord, place heavy objects on it, or place it in a position where anyone could walk on, trip over, or roll anything over it.

Do not open

- Do not open the device or attempt to disassemble the internal parts or modify them in any way. The device contains no user-serviceable parts. If it should appear to be malfunctioning, discontinue use immediately and have it inspected by qualified Yamaha service personnel.

Water warning

- Do not expose the device to rain, use it near water or in damp or wet conditions, or place containers on it containing liquids which might spill into any openings.
- Never insert or remove an electric plug with wet hands.

If you notice any abnormality

- If the power cord or plug becomes frayed or damaged, or if there is a sudden loss of sound during use of the device, or if any unusual smells or smoke should appear to be caused by it, immediately turn off the power switch, disconnect the electric plug from the outlet, and have the device inspected by qualified Yamaha service personnel.
- If this device should be dropped or damaged, immediately turn off the power switch, disconnect the electric plug from the outlet, and have the device inspected by qualified Yamaha service personnel.



CAUTION

Always follow the basic precautions listed below to avoid the possibility of physical injury to you or others, or damage to the device or other property. These precautions include, but are not limited to, the following:

Power supply/Power cord

- Remove the electric plug from the outlet when the device is not to be used for extended periods of time, or during electrical storms.
- When removing the electric plug from the device or an outlet, always hold the plug itself and not the cord. Pulling by the cord can damage it.
- Turn the unit ON or OFF using only the front-panel POWER switch. Turning the unit ON or OFF by plugging or unplugging the power cord, using a switch on a power tap, a breaker switch, or similar external means can result in damage.

Location

- Before moving the device, remove all connected cables.
- If this device is to be mounted in an EIA-standard rack, leave the back of the rack open and make sure that it is at least 10 cm away from walls or surfaces. Under these conditions two of these devices can be rack-mounted directly on top of each other. Inadequate ventilation can result in overheating, possibly causing damage to the device(s), or even fire.
- Do not use the device in a confined, poorly-ventilated location. If this device is to be used in a small space other than an EIA-standard rack, make sure that there is adequate space between the device and surrounding walls or other devices: at least 10cm behind and 10cm above. Inadequate ventilation can result in overheating, possibly causing damage to the device(s), or even fire.
- Do not expose the device to excessive dust or vibrations, or extreme cold or heat (such as in direct sunlight, near a heater, or in a car during the day) to prevent the possibility of panel disfiguration or damage to the internal components.
- Do not place the device in an unstable position where it might accidentally fall over.

- Do not block the vents. This device has ventilation holes at the front and rear to prevent the internal temperature from rising too high. In particular, do not place the device on its side or upside down, such as a bookcase or closet.
- Do not use the device in the vicinity of a TV, radio, stereo equipment, mobile phone, or other electric devices. Otherwise, the device, TV, or radio may generate noise.

Connections

- Before connecting the device to other devices, turn off the power for all devices. Before turning the power on or off for all devices, set all volume levels to minimum.
- Be sure to connect to a properly grounded power source. A ground screw is provided on the rear panel of this device for maximum safety and shock prevention. If the AC mains outlet is not grounded, be sure to connect the ground screw to a confirmed ground point before plugging the device into the mains. Improper grounding can result in electrical shock.

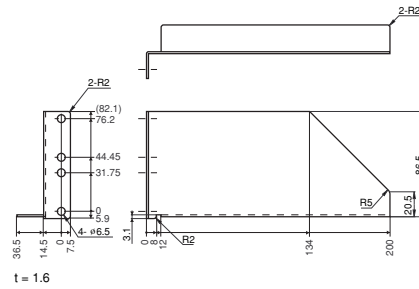
Handling caution

- Do not insert your fingers or hand in any gaps or openings on the device (vents etc.).
- Avoid inserting or dropping foreign objects (paper, plastic, metal, etc.) into any gaps or openings on the device (vents etc.) If this happens, turn off the power immediately and unplug the power cord from the AC outlet. Then have the device inspected by qualified Yamaha service personnel.
- Do not rest your weight on the device or place heavy objects on it, and avoid use excessive force on the buttons, switches or connectors.

Do not turn the POWER switch OFF and ON in rapid succession. Wait at least 5 seconds before turning the POWER switch ON after it has been turned OFF. The device to which power is being supplied may not operate properly in some cases.

Precautions for Rack Mounting

If this device is to be rack mounted and transported frequently – such as in touring applications – be sure to support the rear end of the unit with mounting hardware that has been made to match the size of the rack used. Refer to the diagram on the right when preparing the mounting brackets. Please note, however, that only one of the required pair of brackets is shown in the diagram. You will need two symmetrical brackets to support the device.



The PW800W has been specifically designed for use with Yamaha professional audio equipment. The PW800W cannot be used with devices having incompatible power ratings, connectors, etc. Refer to the owner's manual supplied with your device to determine if it is compatible with the PW800W.

Use the cable supplied with the device to be connected to connect the PW800W to your device. When parallel-connecting two PW800W units use the optional PSL120 Power Supply Link Cable to connect the second PW800W to the main PW800W unit.

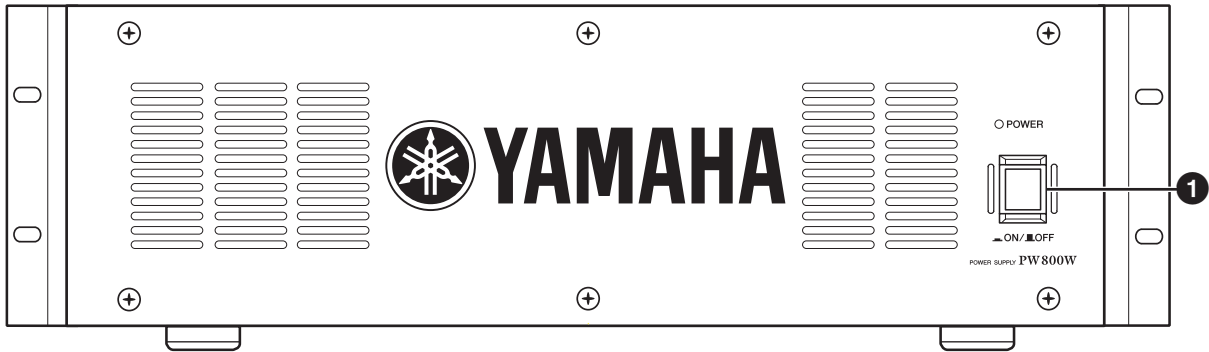
Yamaha cannot be held responsible for damage caused by improper use or modifications to the device, or data that is lost or destroyed.

Always turn the power off when the device is not in use.

The performance of components with moving contacts, such as switches, and connectors, deteriorates over time. Consult qualified Yamaha service personnel about replacing defective components.

Controls and Connectors

■ Front Panel



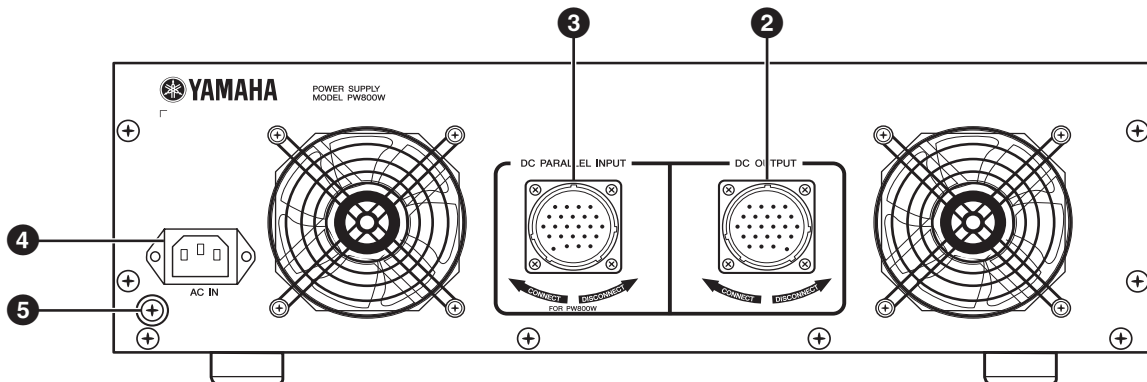
❶ POWER ON/OFF Switch

When this switch is on the PW800W supplies power to the connected device. First connect the PW800W to the device to be powered using the cable supplied with the device, then plug the PW800W power cord into an appropriate AC outlet.



Never obstruct the cooling vents located on the front and rear panels of the PW800W.

■ Rear Panel



❷ DC OUTPUT Connector

This connector supplies power from the PW800W to the connected device. When using parallel-connected PW800W units, this connector connects to the DC PARALLEL INPUT connector on the main PW800W unit.

Always use the cable supplied with the device to be connected to connect the PW800W to your device. A second PW800W should be parallel-connected to the main PW800W only using the optional PSL120 Power Supply Link Cable. Rotate the connector ring to the right to connect, or to the left to disconnect.

3 DC PARALLEL INPUT Connector

This connector is used to connect two PW800W units in parallel. Two PW800W's can be connected in this way to ensure uninterrupted failsafe operation in the event that one unit shuts down.

Use only the optional PSL120 Power Supply Link Cable for this connection. Rotate the connector ring to the right to connect, or to the left to disconnect.

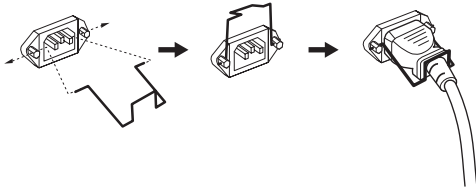
4 AC IN Connector

Connect the included power cable here. First, connect the power cord to the PW800W, then insert the power cord plug into the AC outlet. Securely clamp the AC power cord using the supplied cord clamp to prevent accidental disconnection from the AC IN connector.



Be sure to use the included power cord. Use of other cords may result in malfunction, heat generation, or fire.

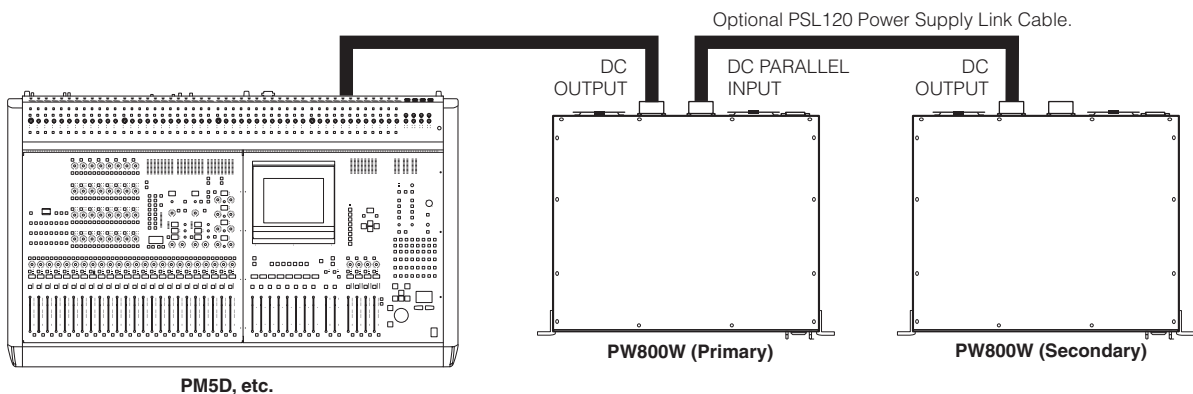
To attach the cord clamp:



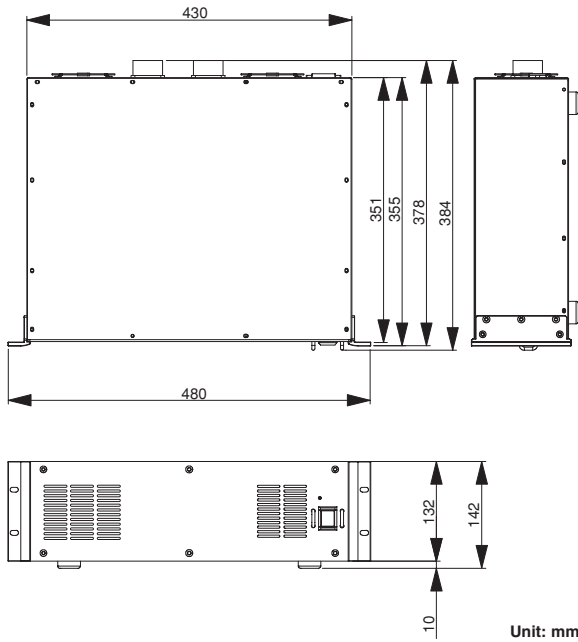
5 GROUND Screw Terminal

For maximum safety be sure to securely attach a confirmed ground line to this terminal. The included power cable has a three-pin plug, so the unit will be properly grounded if the AC outlet used is grounded. If the AC outlet is not grounded be sure to properly connect the GROUND terminal. Proper grounding not only ensures safety, but it also guarantees minimum noise from hum and interference.

Parallel-connected PW800W Power Supplies



■ Dimensions



■ Specifications

General Specifications

Power Consumption	1000W	
Dimensions (W x H x D)	480 mm x 142 mm x 384 mm	
Weight	10 kg	
Included Accessories	Power cord, Cord clamp, Owner's Manual	
Temperature Range	Operating	10°C – 35°C
	Storage	-20°C – 60°C

Specifications and descriptions in this owner's manual are for information purposes only. Yamaha Corp. reserves the right to change or modify products or specifications at any time without prior notice. Since specifications, equipment or options may not be the same in every locale, please check with your Yamaha dealer.

European models
 Purchaser/User Information specified in EN55103-1 and EN55103-2.
 Inrush Current: 50A
 Conforms to Environments: E1, E2, E3 and E4

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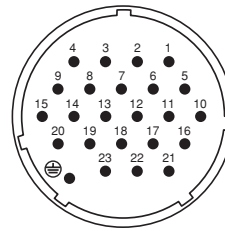
Pour les modèles distribués en Europe
 Les informations d'achat/utilisation sont décrites dans les documents EN55103-1 et EN55103-2.
 Courant d'appel : 50A
 Conformité aux normes environnementales : E1, E2, E3 et E4

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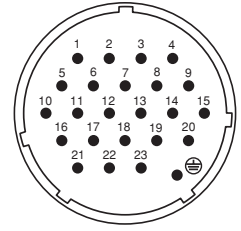
Modelos europeos
 Información comprador/usuario especificada en EN55103-1 y EN55103-2.
 Intensidad de entrada: 50A
 Conforme para entornos: E1, E2, E3 y E4

Power Connector Pin Diagram

DC PARALLEL INPUT



DC OUTPUT



Power Supply Cable Pin Assignments

No.	Function	No.	Function
1	+24V	13	GND
2	+24V	14	GND
3	+24V	15	GND
4	+24V	16	GND
5	+24V	17	GND
6	+24V	18	GND
7	+24V	19	CAUTION (+)
8	+24V	20	CAUTION (-)
9	+24V	21	DETECT A
10	GND	22	DETECT B
11	GND	23	DETECT GND
12	GND	⊕	Frame GND

For details of products, please contact your nearest Yamaha representative or the authorized distributor listed below.

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NORTH AMERICA

CANADA

Yamaha Canada Music Ltd.
135 Milner Avenue, Scarborough, Ontario,
M1S 3R1, Canada
Tel: 416-298-1311

U.S.A.

Yamaha Corporation of America
6600 Orangethorpe Ave., Buena Park, Calif. 90620,
U.S.A.
Tel: 714-522-9011

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Yamaha de México S.A. de C.V.
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WC28590 404MWAP5.2-01A0
Printed in Japan