

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

Thank you for choosing the Yamaha ICP1 Intelligent Control Panel. Please refer to the DME64N/24N Owner's Manual or the DME Designer Owner's Manual for operational details.



Please read the "Precautions" section of this document thoroughly before installation. For ICP1 installation refer to your Yamaha dealer, or the nearest Yamaha representative or authorized distributor listed in this document.

Vielen Dank für Ihre Wahl des Intelligent Control Panel ICP1 von Yamaha. Bitte lesen Sie zur Bedienung die ME64N/24N Bedienungsanleitung.



Bitte lesen Sie vor der Installation auch den Abschnitt über die Vorsichtsmaßnahmen in diesem Dokument sorgfältig durch. Zur Installation des ICP1 wenden Sie sich an Ihren Yamaha-Händler, an die nächste Yamaha-Werksvertretung oder einen der in diesem Dokument aufgelisteten autorisierten Vertriebe.

Merci d'avoir choisi le panneau de contrôle intelligent Yamaha ICP1. Reportez-vous au mode d'emploi du DME64N/24N pour obtenir les détails sur le fonctionnement de l'ICP1.



Veuillez lire attentivement la section « Précautions » avant de procéder à l'installation. Pour installer l'ICP1, adressez-vous à votre revendeur Yamaha ou à votre représentant ou distributeur Yamaha agréé le plus proche, dont la liste figure dans ce document.

Gracias por haber adquirido el panel de control inteligente Yamaha ICP1. Consulte en el DME64N/24N – Manual de instrucciones los datos de funcionamiento.



Lea detenidamente la sección "Precauciones" de este documento antes de la instalación. Para la instalación del ICP1 consulte al distribuidor o representante de Yamaha o al distribuidor autorizado más próximo de los que figuran en este documento.

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

IMPORTANT. The wires in this mains lead are coloured in accordance with the following code:

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 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.

Making sure that neither core is connected to the earth terminal of the three pin plug.

• This applies only to products distributed by Yamaha-Kemble Music (U.K.) Ltd.

(2 wires)

European models

Purchaser/User Information specified in EN55103-1 and EN55103-2.

Inrush Current: 70A

Conforms to Environments: E1, E2, E3 and E4

Europäische Modelle

Käufer/Benutzerinformationen nach EN55103-1 und EN55103-2.

Einschaltstrom: 70A

Entspricht den Umgebungen: E1, E2, E3 und E4

Pour les modèles distribués en Europe

Les informations d'achat/utilisation sont décrites dans les documents EN55103-1 et EN55103-2.

Courant d'appel : 70A

Conformité aux normes environnementales : E1, E2, E3 et E4

Modelos europeos

Información comprador/usuario especificada en EN55103-1 y EN55103-2.

Intensidad de entrada: 70A

Conforme para entornos: E1, E2, E3 y E4

■ Package Contents (Please check before using)

- ICP1 Owner's Manual (this document)
- Control panel unit
- Frame plate for ICP1
- AC adaptor (PA-300, or an equivalent recommended by Yamaha)
- ICP1 adaptor box

■ Packungsinhalt (bitte vor Verwendung prüfen)

- ICP1-Bedienungsanleitung (dieses Dokument)
- Bedienungseinheit
- Rahmenplatte für ICP1
- Netzteil (PA-300 oder von Yamaha als gleichwertig empfohlen)
- ICP1-Adapterbox

■ Contenu de l'emballage (veuillez vérifier le contenu avant utilisation)

- Mode d'emploi de l'ICP1 (ce manuel)
- Unité du panneau de contrôle
- Plaque à cadre de l'ICP1
- Adaptateur secteur (PA-300 ou un produit équivalent conseillé par Yamaha)
- Boîtier de l'adaptateur ICP1

■ Contenido del paquete (compruébelo antes de su uso)

- Manual de instrucciones del ICP1 (este documento)
- Unidad del panel de control
- Placa para el ICP1
- Adaptador de CA (PA-300 o uno equivalente recomendado por Yamaha)
- Caja adaptadora del ICP1

The illustrations in this document are for instructional purposes, and may appear somewhat different from the actual equipment.

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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 specified AC power adaptor (PA-300, or an equivalent recommended by Yamaha). If you intend to use the device in an area other than in the one you purchased, the included power cord may not be compatible. Please check with your Yamaha dealer.
- 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. If any liquid such as water seeps into the device, turn off the power immediately and unplug the power cord from the AC outlet. Then have the device inspected by qualified Yamaha service personnel.
- 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 you notice any unusual smells or smoke, immediately disconnect the electric plug from the outlet and have the device inspected by qualified Yamaha service personnel.
- If this device, the AC power adaptor, or the adaptor box should be dropped or damaged, immediately 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.
- Do not cover or wrap the AC power adaptor with a cloth or blanket.

Location

- Always consult qualified Yamaha service personnel if the device installation requires construction work, and make sure to observe the following precautions.
 - Choose mounting hardware and an installation location that can support the weight of the device.
 - Avoid locations that are exposed to constant vibration.
 - Inspect the device periodically.
- Before moving the device, remove all connected cables.
- 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 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.

Handling caution

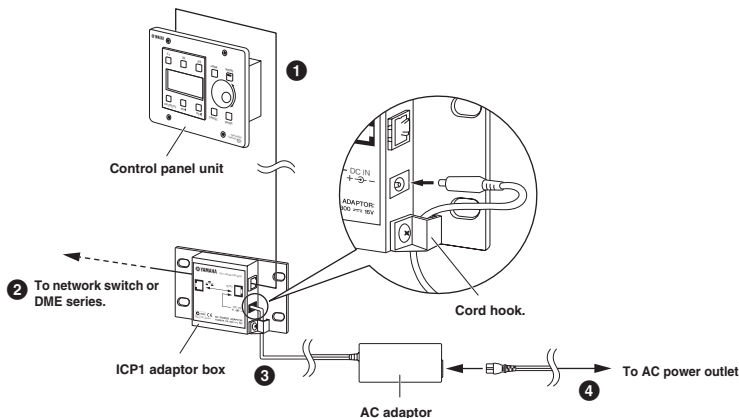
- Avoid inserting or dropping foreign objects (paper, plastic, metal, etc.) into any gaps or openings on the device. If this happens, turn off the power immediately and unplug the power cord from the AC outlet. Then have the device inspected by qualified Yamaha service personnel.
- Do not rest your weight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

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

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

■ Installation Procedure

Connection



1 Connect the control panel unit and the ICP1 adaptor box.

Use an Ethernet "straight" cable.



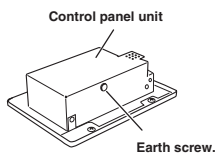
WARNING

- Do not use a "cross" cable to connect the control panel unit and adaptor box. Also do not use joint connectors, cross cable converters, or other extension adaptors.



CAUTION

- Connect the control panel unit and adaptor box directly, not via a network switch.
- For maximum safety be sure to securely connect the ICP1 earth screw to an earth connection



2 Connect the adaptor box to a network switch or the DME series.

Use a "straight" cable for connection to a network switch, or a "cross" cable for direct connection to the DME series.

NOTE

- Use a 100Base-TX/10Base-T network switch.
- The total length of the cables connecting the control panel unit to the network switch or DME series can be up to 100 meters. Due to differences in cable and network switch performance, however, proper operation at the maximum length cannot be guaranteed in some cases. The maximum usable cable length will also be reduced if joint connectors, cross cable converters, or other extension adaptors are used.
- Use STP (Shielded Twisted Pair) cable to prevent electromagnetic interference.

3 Connect the AC adaptor to the adaptor box.

4 Plug the AC adaptor into an appropriate AC mains outlet.

Frame Plate and Control Panel Installation

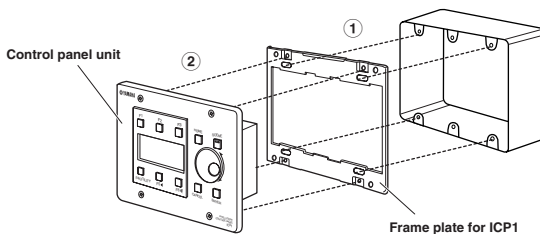
NOTE Make sure that the AC adaptor is unplugged from the AC mains during installation.

① Screw the frame plate to the terminal box.

- NOTE**
- Terminal box not included. Use a standard (US-type) wall box: 3-gang with a depth of 44 millimeters or more.
 - The screw heads should extend from the frame plate by no more than 3 millimeters.

② Screw the control panel to the frame plate.

- NOTE** Tighten the screws used to attach the control panel to the frame plate with a torque of less than 1.5 Nm.



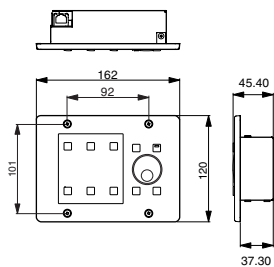
■ Operation

For details on ICP1 operation, refer to the DME64N/24N Owner's Manual or the DME Designer Owner's Manual.

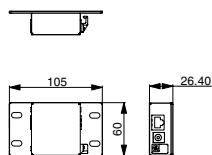
■ Specifications

(Unit: mm)

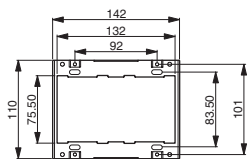
Control panel unit



ICP1 adaptor box



Frame plate for ICP1



Ethernet Terminals (100Base-TX/10Base-T Ethernet, RJ-45)

Adaptor box to network

Pin	Connection
1	TxD+
2	TxD-
3	RxD+
4	Unused
5	Unused
6	RxD-
7	Unused
8	Unused

Control panel to adaptor box connection

Pin	Connection
1	TxD+
2	TxD-
3	RxD+
4	+16V
5	+16V
6	RxD-
7	GND
8	GND

Straight/Cross Cable Wiring Details

All pins are used on the straight cable connecting the control panel unit and adaptor box.

Straight Cables

Pins
1 — 1
2 — 2
3 — 3
4 — 4
5 — 5
6 — 6
7 — 7
8 — 8

Cross Cables

Pins
1 — 3
2 — 6
3 — 1
4 — 4
5 — 5
6 — 2
7 — 7
8 — 8

Control I/O Characteristics

Terminal	Format	Connector
Ethernet	100Base-TX/10Base-TX	RJ45

Net Weight: 1kg

Temperature Range

Conditions	Range
Operating temperature range	10 – 35°C
Storage temperature range	-20 – 60°C

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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

CENTRAL & SOUTH AMERICA

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Yamaha Musical do Brasil Ltda.
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CEP 04534-013 Sao Paulo, SP. BRAZIL
Tel: 011-3704-1377

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Madero Este-C1107CEK
Buenos Aires, Argentina
Tel: 011-4119-7000

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Tel: +507-269-5311

EUROPE

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 5F Ambience Corporate Tower Ambience Mall Complex
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