



SIGNAL PROCESSOR

MMP1

Getting Started
Einführung
Prise en Main
Cómo Empezar
Introdução
Guida Introduttiva
Приступая к работе
セットアップガイド

EN
DE
FR
ES
PT
IT
RU
JA

English

Deutsch

Français

Español

Português

Italiano

Русский

日本語

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)

COMPLIANCE INFORMATION STATEMENT (DECLARATION OF CONFORMITY PROCEDURE)

Responsible Party : Yamaha Corporation of America
Address : 6600 Orangethorpe Ave., Buena Park, Calif. 90620
Telephone : 714-522-9011
Type of Equipment : Signal processor
Model Name : MMP1

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- 1) this device may not cause harmful interference, and
- 2) this device must accept any interference received including interference that may cause undesired operation.

See user manual instructions if interference to radio reception is suspected.

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

(FCC DoC)

이 기기는 가정용 (B 급) 전자파적합기기로서 주로 가정에서 사용하는 것을 목적으로 하며, 모든 지역에서 사용할 수 있습니다.

(class b korea)

OBSERVERA!

Apparaten kopplas inte ur växelströmskällan (nätet) så länge som den är ansluten till vägguttaget, även om själva apparaten har stängts av.

ADVARSSEL: Netspændingen til dette apparat er IKKE afbrudt, så længe netledningen sidder i en stikkontakt, som er tændt — også selvom der er slukket på apparatets afbryder.

VAROITUS: Laitteen toisiopiiriin kytketty käyttökytkin ei irroita koko laitetta verkosta.

(standby)

NEDERLAND / THE NETHERLANDS

- Dit apparaat bevat een lithium batterij voor geheugen back-up.
- This apparatus contains a lithium battery for memory back-up.
- Raadpleeg uw leverancier over de verwijdering van de batterij op het moment dat u het apparaat aan het einde van de levensduur of gelieve dan contact op te nemen met de vertegenwoordiging van Yamaha in uw land.
- For the removal of the battery at the moment of the disposal at the end of life please consult your retailer or Yamaha representative office in your country.
- Gooi de batterij niet weg, maar lever hem in als KCA.
- Do not throw away the battery. Instead, hand it in as small chemical waste.

(lithium disposal)

This product contains a battery that contains perchlorate material.

Perchlorate Material—special handling may apply,
See www.dtsc.ca.gov/hazardouswaste/perchlorate.

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

(Perchlorate)

ADVARSSEL!

Lithiumbatteri—Eksplodingsfare ved fejlagtig håndtering. Udskiftning må kun ske med batteri af samme fabrikat og type. Levér det brugte batteri tilbage til leverandoren.

VARNING

Explosionsfara vid felaktigt batteribyte. Använd samma batterityp eller en ekvivalent typ som rekommenderas av apparattillverkaren. Kassera använt batteri enligt fabrikantens instruktion.

VAROITUS

Paristo voi räjähtää, jos se on virheellisesti asennettu. Vaihda paristo ainoastaan laitevalmistajan suosittelemaan tyyppiin. Hävitä käytetty paristo valmistajan ohjeiden mukaisesti.

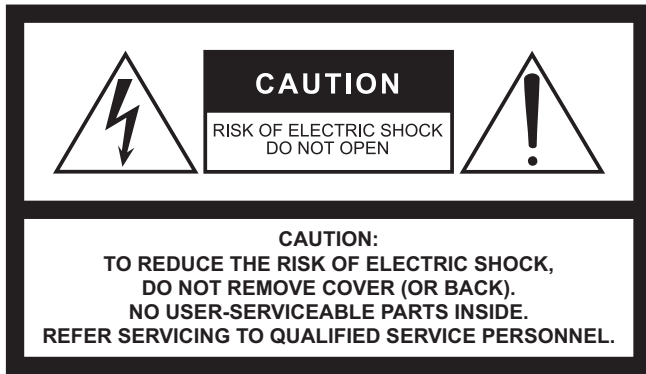
(lithium caution)

In Finland: Laite on liitettävä suojamaadoituskoskettimilla varustettuun pistorasiaan.

In Norway: Apparatet må tilkoples jordet stikkontakt.

In Sweden: Apparatens skall anslutas till jordat uttag.

(class I hokuo)



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



L'avertissement ci-dessus est situé sur le dessus de l'unité.

Explanation of Graphical Symbols Explication des symboles



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.

L'éclair avec une flèche à l'intérieur d'un triangle équilatéral est destiné à attirer l'attention de l'utilisateur sur la présence d'une « tension dangereuse » non isolée à l'intérieur de l'appareil, pouvant être suffisamment élevée pour constituer un risque d'électrocution.



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.

Le point d'exclamation à l'intérieur d'un triangle équilatéral est destiné à attirer l'attention de l'utilisateur sur la présence d'instructions importantes sur l'emploi ou la maintenance (réparation) de l'appareil dans la documentation fournie.

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.
- 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.



WARNING

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

(UL60065_03)

PRÉCAUTIONS CONCERNANT LA SÉCURITÉ

- 1 Lire ces instructions.
- 2 Conserver ces instructions.
- 3 Tenir compte de tous les avertissements.
- 4 Suivre toutes les instructions.
- 5 Ne pas utiliser ce produit à proximité d'eau.
- 6 Nettoyer uniquement avec un chiffon propre et sec.
- 7 Ne pas bloquer les orifices de ventilation. Installer l'appareil conformément aux instructions du fabricant.
- 8 Ne pas installer l'appareil à proximité d'une source de chaleur comme un radiateur, une bouche de chaleur, un poêle ou tout autre appareil (y compris un amplificateur) produisant de la chaleur.
- 9 Ne pas modifier le système de sécurité de la fiche polarisée ou de la fiche de terre. Une fiche polarisée dispose de deux broches dont une est plus large que l'autre. Une fiche de terre dispose de deux broches et d'une troisième pour le raccordement à la terre. Cette broche plus large ou cette troisième broche est destinée à assurer la sécurité de l'utilisateur. Si la fiche équipant l'appareil n'est pas compatible avec les prises de courant disponibles, faire remplacer les prises par un électricien.
- 10 Acheminer les cordons d'alimentation de sorte qu'ils ne soient pas piétinés ni coincés, en faisant tout spécialement attention aux fiches, prises de courant et au point de sortie de l'appareil.
- 11 Utiliser exclusivement les fixations et accessoires spécifiés par le fabricant.
- 12 Utiliser exclusivement le chariot, le stand, le trépied, le support ou la table recommandés par le fabricant ou vendus avec cet appareil. Si l'appareil est posé sur un chariot, déplacer le chariot avec précaution pour éviter tout risque de chute et de blessure.
- 13 Débrancher l'appareil en cas d'orage ou lorsqu'il doit rester hors service pendant une période prolongée.
- 14 Confier toute réparation à un personnel qualifié. Faire réparer l'appareil s'il a subi tout dommage, par exemple si la fiche ou le cordon d'alimentation est endommagé, si du liquide a coulé ou des objets sont tombés à l'intérieur de l'appareil, si l'appareil a été exposé à la pluie ou à de l'humidité, si l'appareil ne fonctionne pas normalement ou est tombé.



AVERTISSEMENT

POUR RÉDUIRE LES RISQUES D'INCENDIE OU DE DÉCHARGE ÉLECTRIQUE, N'EXPOSEZ PAS CET APPAREIL À LA PLUIE OU À L'HUMIDITÉ.

(UL60065_03)

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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

- 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.
- 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/plug.
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.
- Check the electric plug periodically and remove any dirt or dust which may have accumulated on it.
- When setting up the device, make sure that the AC outlet you are using is easily accessible. If some trouble or malfunction occurs, immediately turn off the power switch and disconnect the plug from the outlet, and also disconnect the connected power supply from the [BACKUP DC INPUT] connector. Even when the power switch is turned off, as long as the power cord is not unplugged from the wall AC outlet, the device will not be disconnected from the power source.
- Remove the electric plug from the outlet when the device is not to be used for extended periods of time, or during electrical storms.
- Be sure to connect to an appropriate outlet with a protective grounding connection.

Do not open

- This device contains no user-serviceable parts. Do not open the device or attempt to disassemble the internal parts or modify them in any way. 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 on it any containers (such as vases, bottles or glasses) 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, and also disconnect the connected power supply from the [BACKUP DC INPUT] connector. Then have the device inspected by qualified Yamaha service personnel.
- Never insert or remove an electric plug with wet hands.

Hearing loss

- Before connecting the device to other devices, turn off the power for all devices. Failing to do so may result in hearing loss, electric shock, or device damage.
- When turning on the power in your audio system, always turn on the power amplifier LAST, to avoid hearing loss and speaker damage. When turning the power off, the power amplifier should be turned off FIRST for the same reason.

Fire warning

- Do not place any burning items or open flames near the device, since they may cause a fire.

If you notice any abnormality

- If any of the following problems occur, immediately turn off the power switch and disconnect the electric plug from the outlet and also disconnect the connected power supply from the [BACKUP DC INPUT] connector.
 - The power cord or plug becomes frayed or damaged.
 - Unusual smells or smoke are emitted.
 - Some object has been dropped into the device.
 - There is a sudden loss of sound during use of the device.
 - Cracks or other visible damage appear on the device.
 Then have the device inspected or repaired by qualified Yamaha service personnel.
- If this device or the power supply should be dropped or damaged, immediately turn off the power switch, disconnect the electric plug from the outlet and also disconnect the connected power supply from the [BACKUP DC INPUT] connector, and then 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

- 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.
- To disconnect the device from the mains, unplug both power cords.

Location

- Do not place the device in an unstable position where it might accidentally fall over and cause injuries.
- Do not block the vents. This device has ventilation holes at the sides to prevent the internal temperature from becoming too high. In particular, do not place the device on its side or upside down. Inadequate ventilation can result in overheating, possibly causing damage to the device(s), or even fire.
- Do not place the device in a location where it may come into contact with corrosive gases or salt air. Doing so may result in malfunction.
- Before moving the device, remove all connected cables.
- If the device is mounted in an EIA standard rack, carefully read the section "Precautions for rack mounting" on page 13. Inadequate ventilation can result in overheating, possibly causing damage to the device(s), malfunction, or even fire.

Maintenance

- Remove the power plug from the AC outlet and also disconnect the connected power supply from the [BACKUP DC INPUT] connector when cleaning the device.

Handling caution

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

Backup battery

- Do not replace the backup battery by yourself. Doing so may cause an explosion and/or damage to the device(s). When the backup battery needs to be replaced, the error icon will appear on the menu bar of the MMP1 Editor while the MMP1 is connected to the MMP1 Editor. In this case, contact your Yamaha dealer and have qualified Yamaha service personnel replace the backup battery.

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

NOTICE

To avoid the possibility of malfunction/ damage to the product, damage to data, or damage to other property, follow the notices below.

Handling and maintenance

- Do not use the device in the vicinity of a TV, radio, AV equipment, mobile phone, or other electric devices. Otherwise, the device, TV, or radio may generate noise.
- Do not expose the device to excessive dust or vibration, or extreme cold or heat (such as in direct sunlight, near a heater, or in a car during the day), in order to prevent the possibility of panel discoloration, unstable operation, or damage to the internal components.
- Do not place vinyl, plastic or rubber objects on the device, since this might discolor the panel.
- When cleaning the device, use a dry and soft cloth. Do not use paint thinners, solvents, cleaning fluids, or chemical-impregnated wiping cloths.
- Condensation can occur in the device due to rapid, drastic changes in ambient temperature—when the device is moved from one location to another, or air conditioning is turned on or off, for example. Using the device while condensation is present can cause damage. If there is reason to believe that condensation might have occurred, leave the device for several hours without turning on the power until the condensation has completely dried out.
- The rubber feet included in this package can be attached to the device to prevent slippage when it is to be used on a slippery surface.
- Always turn the power off when the device is not in use.
- Even when the both (⏻) [MAIN] switch and (⏻) [BACKUP] switch are in standby status (power indicators are off), electricity is still flowing to the instrument at the minimum level. When you are not using the instrument for a long time, make sure you unplug the power cord from the wall AC outlet, and also disconnect the connected power supply from the [BACKUP DC INPUT] jack.

Saving data

This device has a built-in backup battery that maintains data in internal memory even when the device's power is switched off. The backup battery will eventually become depleted, however, and when that happens the contents of the internal memory will be lost.* To prevent loss of data be sure to replace the backup battery before it becomes fully depleted. When the remaining capacity of the backup battery becomes so low that it needs to be replaced, the error icon will appear on the menu bar of MMP1 Editor while the MMP1 is connected to the MMP1 Editor. If either of these messages appears do not turn off the power and immediately transfer any data you want to save to a computer or other external storage device, then have qualified Yamaha service personnel replace the backup battery. The average life of the internal backup battery is approximately five years, depending on operating conditions.

Information

About functions/data bundled with the product

- This product uses Dante Brooklyn II.
Refer to the Audinate website (English) for details on the open source licenses for the particular software.
<https://www.audinate.com/software-licensing>

About this manual

- The illustrations and screens as shown in this manual are for instructional purposes only.
- Yamaha Corporation make no representations or warranties with regard to the use of the software and documentation and cannot be held responsible for the results of the use of this manual and the software.
- Windows is a registered trademark of Microsoft® Corporation in the United States and other countries.
- Mac and iPad are trademarks of Apple Inc., registered in the U.S. and other countries.
- The company names and product names in this manual are the trademarks or registered trademarks of their respective companies.
- Software may be revised and updated without prior notice.

European models

Purchaser/User Information specified in EN55103-2:2009.

Conforms to Environments: E1, E2, E3 and E4

Information for users on collection and disposal of old equipment:



This symbol on the products, packaging, and/or accompanying documents means that used electrical and electronic products should not be mixed with general household waste.

For proper treatment, recovery and recycling of old products, please take them to applicable collection points, in accordance with your national legislation.

By disposing of these products correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.

For more information about collection and recycling of old products, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

For business users in the European Union:

If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

Information on Disposal in other Countries outside the European Union:

This symbol is only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

(weee_eu_en_02)

The model number, serial number, power requirements, etc., may be found on or near the name plate, which is at the top of the unit. You should note this serial number in the space provided below and retain this manual as a permanent record of your purchase to aid identification in the event of theft.

Model No.

Serial No.

(top_en_01)

1. Welcome

Thank you for choosing the Yamaha signal processor MMP1. In order to take full advantage of the MMP1 functionality and enjoy years of trouble-free use, please read this manual. After you have read the manual, keep it in a safe place for your future reference.

1-1. Intended user

This product was designed for users who have basic knowledge and skills related to post-production, audio recording, or broadcasting.

1-2. Intended usage

- This product was designed to be used to improve the monitoring and communication environment during studio recording with a DAW.
- This product was designed to be used to mix multiple audio sources, and routing audio signals in broadcasters.

1-3. Included accessories

- Getting Started (this book)
- Power cord
- Rubber stoppers (×4)

1-4. Documentation

The MMP1 has the following two separate manuals.

Getting Started (this book)

This manual primarily explains operations in setting up this product for use, such as installation and connection.

Operation Manual (PDF; available as download)

This manual explains operations of the product when used with a dedicated application. You can download the Operation Manual from the Yamaha Pro Audio website:

<http://www.yamahaproaudio.com/>

NOTE

The Operation Manual is an electronic manual in PDF format. You can download the latest Adobe Acrobat Reader DC required to read the PDF file from the website listed below:

<https://www.adobe.com/>

1-5. Nomenclature used in this book

In order to distinguish between the controls on the MMP1 unit and the controls on the screen, control names are written in the following manner:

- Actual buttons on the unit are called **keys**, and virtual buttons on the screen are called **buttons**.
- Keys, switches, indicators, jacks, etc. located on the unit are enclosed in **[square brackets]**. For certain controls, the name of the section appears before the brackets (e.g., the SCENE [1] key).
- Menus, buttons, tabs, windows, etc. displayed on the screen are enclosed in **“quotation marks.”** (e.g., the “MUTE” button)

1-6. Applications

To operate MMP1, use the following applications:

- **MMP1 Editor (Windows, Mac)**

This application allows you to control all functions of the MMP1.

- **MMP1 Controller (iPad)**

This application is designed for easy operation of the MMP1, with a limited set of controllable functions.

Before using the MMP1 Controller, you will need to make initial settings to your MMP1 using the MMP1 Editor.

For details of these applications, refer to the MMP1 Operation Manual, downloadable from the Yamaha Pro Audio website:

<http://www.yamahaproaudio.com/>

1-7. Firmware updates

You can update the unit firmware to improve operation, add functions, and correct possible malfunctions.

Details on updating the firmware are available on the Yamaha Pro Audio website:

<http://www.yamahaproaudio.com/>

For information on updating the firmware, refer to the firmware update guide available on the website.

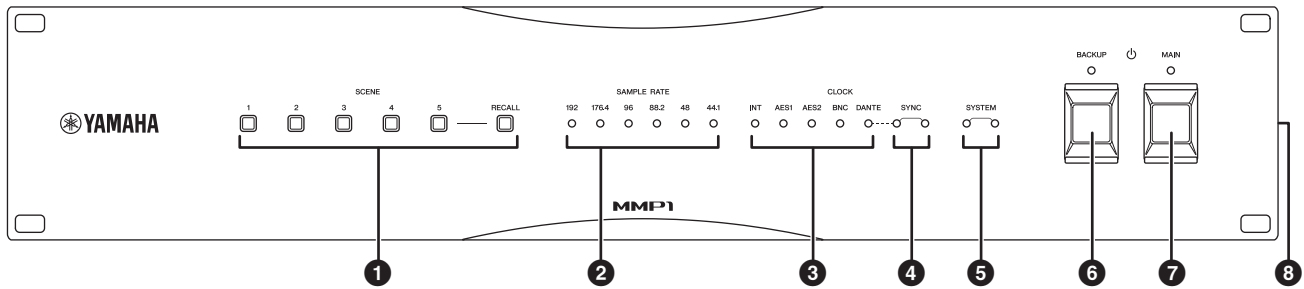
NOTE

To maintain compatibility between Dante-compatible devices, updating of multiple Dante-compatible devices may be needed. For details, refer to the firmware compatibility information available on the Yamaha Pro Audio website:

<http://www.yamahaproaudio.com/>

2. Names and Functions

2-1. Front panel



1 SCENE [1] – [5], [RECALL] keys

Used to recall previously stored Scenes in the unit. When pressing one of the [1] – [5] keys, the key flashes for about 10 seconds. (If a Scene corresponding to the key is not stored, the key doesn't flash.) When pressing the [RECALL] key while one of the [1] – [5] keys are flashing, the Scene is recalled, and the key is lit continuously. Use the MMP1 Editor to store Scenes.

NOTE

You can set the [1] key as the all mute key. For details, refer to the MMP1 Operation Manual.

2 SAMPLE RATE indicators

Indicate the current sample rate being used by the unit. The indicator which synchronizes with the word clock source lights up. If the unit cannot synchronize with the word clock source, one of these indicators flashes slowly.

3 CLOCK indicators

Indicate a word clock source. When the word clock source is not connected to the unit or the word clock source has any problems, one of these indicators flashes slowly.

4 SYNC indicators

Indicate the sync status between the Dante network and the unit.

Green (lit continuously)	The unit is working as a clock slave on the Dante network.
Green (flashing slowly)	The unit is working as the clock master on the Dante network.
Green (off)	Synchronization with the Dante network is in progress.
Orange (lit continuously)	
Orange (flashing slowly)	In communication with the secondary line of a redundant network.
Orange (flashing twice)	An error has occurred on the secondary line of a redundant network.

5 SYSTEM indicators

Indicate the operating status of the unit.

Green (lit continuously)	The unit is working properly.
Red (off)	
Green (flashing slowly)	The firmware is being updated.
Red (lit continuously)	An error has occurred in the memory of the unit. If the issue is still not solved even when following the "Restoring factory settings" instructions on page 15, please contact your Yamaha dealer.
Red (flashing slowly)	An error has occurred in the Dante module of the unit.
Red (flashing rapidly)	The backup battery voltage is reduced. Please contact your Yamaha dealer and have qualified Yamaha service personnel replace the backup battery.

6 [BACKUP] power switch and indicator

Turns the DC power of the unit to on (■) or sets it to standby (■). When the DC power unit is turned on, the indicator lights up.



NOTICE




Even when the power switch is in the standby position (■), a small amount of current is flowing through the unit. When you are not using the unit for a long time, make sure to disconnect the power supply from the [BACKUP DC INPUT] connector.

NOTE


Setting the unit to on and standby in rapid succession can cause it to malfunction. After setting the unit to standby, wait for at least 6 seconds before turning it on again.

7 [MAIN] power switch and indicator

Turns the AC power of the unit to on () or sets it to standby (). When the AC power unit is turned on, the indicator lights up.

When both the  [MAIN] power switch and  [BACKUP] power switch are on (), only AC power is supplied to the unit.

NOTICE

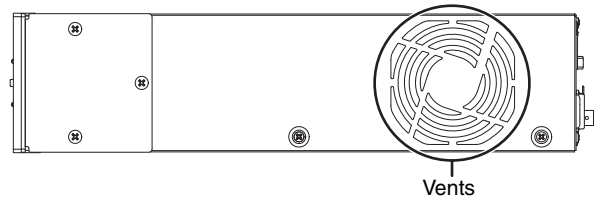
Even when the power switch is in the standby position (), a small amount of current is flowing through the unit. When you are not using the unit for a long time, make sure to unplug the power cord from the AC outlet.

NOTE

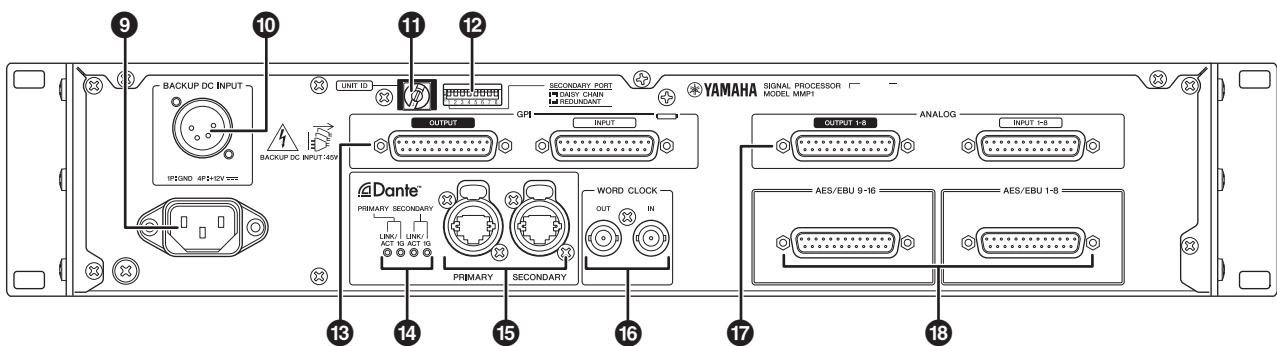
Setting the unit to on and standby in rapid succession can cause it to malfunction. After setting the unit to standby, wait for at least 6 seconds before turning it on again.

8 Vent

This unit is equipped with cooling fans. These vents let warm air out from the unit. Please make sure that you do not block the vents with any object.



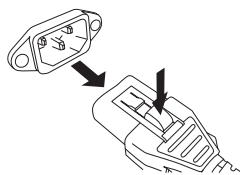
2-2. Rear panel





9 AC power input socket

For connecting the supplied AC power cord. First, connect the AC power cord to this unit, and then insert the power cord plug into an appropriate AC outlet. Make sure to insert the cord plugs all the way until they lock in place securely. The supplied AC power cord features a V-lock mechanism with a latch, which prevents the power cord from being accidentally disconnected.



CAUTION
Be sure to set to standby the power of the unit before connecting or disconnecting the power cord. To disconnect the power cord, hold down the latch on the plug while removing it.



NOTICE


When connecting an external DC power supply, please make sure that it has a sufficient power supply rating. If it has an insufficient power supply rating, the inrush current when the unit is turned on may lead to unstable operation or cause a malfunction. In order to prevent malfunction due to the inrush current when the unit is turned on, please turn on the unit via the  [MAIN] power switch, rather than the  [BACKUP] power switch.

NOTE

- AC power is supplied to the unit when both the  [MAIN] and  [BACKUP] power switches are turned on.
- When both power supplies are turned on, it automatically switches to the external DC power supply if a malfunction causes the AC power supply to be interrupted.

10 [BACKUP DC INPUT] connector

For connecting the external DC power unit (+12 V, 45 W) for backup of AC power supply. The connector type is XLR-4-32. Refer to “Specifications” for pin assignments.

Even when the  [BACKUP] power switch is in the standby position, standby current is discharged. For this reason, Yamaha does not guarantee the use of batteries.

CAUTION
Before connecting or disconnecting the external power supply, you must set to standby the power of this unit and the power of the external power supply. Malfunctions or electrical shock may occur if you fail to observe this caution.

11 [UNIT ID] rotary switch

Determines the ID that identifies this device on the Dante network. If there are multiple Dante-compatible devices from Yamaha that require an ID setting connected to the same network, set a different ID for each device.

NOTE

The ID setting while the power-on will be applied the next time you turn the power on.

12 DIP switches

Used to change settings on the unit. Refer to the sections “Before connecting” on page 12 and “Restoring factory settings” on page 15.

NOTE

The setting while the power is on will be applied the next time you turn the power on.

13 GPI [INPUT]/[OUTPUT] connectors

For connecting GPI-equipped devices. The connector type is D-Sub 25-pin female. Use the MMP1 Editor for detailed GPI settings of the unit. Refer to “Specifications” for current and voltage of each pin, and for pin assignments.

14 Dante [LINK/ACT]/[1G] indicators

Display the communication status of the Dante [PRIMARY] and the [SECONDARY] connectors.

LINK/ACT	These indicators flash rapidly if the Ethernet cables are connected properly.
1G	These indicators are lit when the Dante network is functioning as Giga-bit Ethernet.

15 Dante [PRIMARY]/[SECONDARY] connectors

For connecting to the Dante network. The connector type is etherCON (RJ-45). A connector can transfer up to 64 channels (in/out) of audio.

NOTE

- Use an STP (Shielded Twisted Pair) cable of CAT5e standard or better to prevent electromagnetic interference. Make sure that the metal parts of the plugs are electrically connected to the STP cable shield by conductive tape or comparable means.
- For connecting only Dante-compatible devices or GbE-compatible devices (including a computer).

16 WORD CLOCK [IN]/[OUT] connectors

For connecting devices to receive or transmit word clock signals. The connector type is BNC. The WORD CLOCK [IN] connector is internally terminated by a 75 ohm resistor.

17 ANALOG [INPUT 1-8]/[OUTPUT 1-8] connectors

For connecting devices to transmit or receive analog audio signals. The connector type is 25-pin D-Sub (balanced). A connector can transfer up to eight channels (in/out) of audio.

18 [AES/EBU 1-8]/[AES/EBU 9-16] connectors

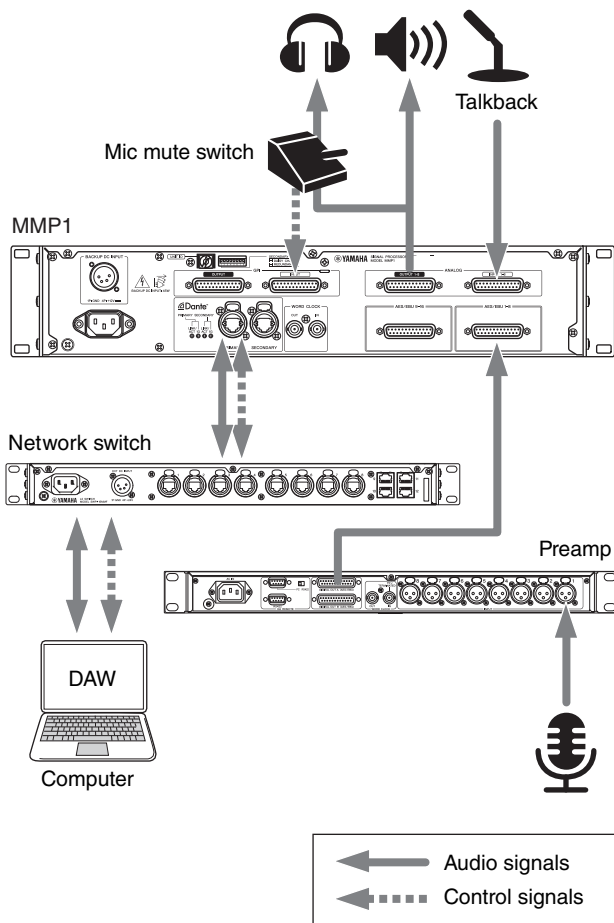
For connecting devices to transmit or receive AES/EBU format digital audio signals. The connector type is 25-pin D-Sub. A connector can transfer up to eight channels (in/out) of audio.

NOTE

Use a shielded cable to prevent electromagnetic interference. Make sure that the metal parts of the plugs are electrically connected to the cable shield by conductive tape or comparable means.

3. Location and Connections

3-1. Connection example



3-2. Before connecting

Make various settings of the unit in advance.

- 3-2-1. UNIT ID
- 3-2-2. How to connect to the Dante network
- 3-2-3. IP address

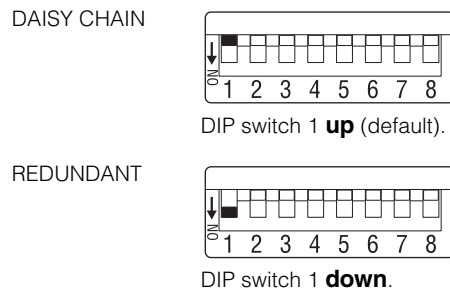
Any settings you change while the power is on will be retained and applied the next time you turn the power on.

3-2-1. UNIT ID

Determines the ID for identifying each device on the Dante network. For this setting, use the rotary switch on the rear panel of the unit. The UNIT ID must be a unique number in the network.

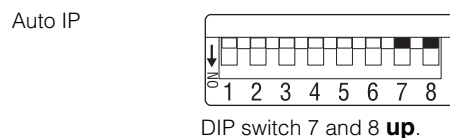
3-2-2. How to connect to the Dante network

The unit can be connected to the Dante network in one of two ways: Star (Redundant) and Daisy Chain. For this setting, use the DIP switch 1 on the rear panel of the unit.

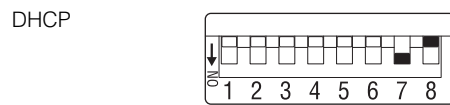


3-2-3. IP address

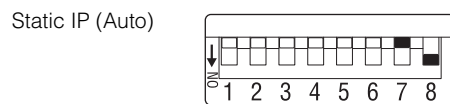
Determines the IP address for identifying this unit from a computer. For this setting, use the DIP switch 7 and 8 on the rear panel of the unit.



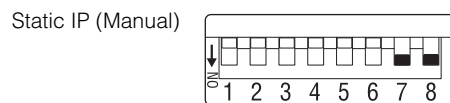
An IP address is automatically set in the range of from 169.254.0.1 to 169.254.254.254 (default).



An IP address is assigned by the DHCP server.



The IP address is set to 192.168.0.xx (xx is the UNIT ID).



Set the IP address using the MMP1 Editor.

3-3. Precautions for rack mounting

This unit is rated for operation at ambient temperatures ranging from 0 to 40 degrees Celsius. If you mount this unit along with other MMP1 unit(s) or other device(s) in an EIA standard equipment rack, temperatures inside the rack may rise, possibly resulting in impaired performance. When rack mounting the unit, always observe the following requirements to avoid heat buildup:

- When mounting the unit in a rack with devices such as power amplifiers that generate a significant amount of heat, leave 1U space or more between the MMP1 and other equipment. Also, either leave the open spaces uncovered or install appropriate ventilating panels to minimize the possibility of heat buildup.
- To ensure sufficient airflow, leave the rear of the rack open and position it at least 10 centimeters from walls or other surfaces.

If the rear of the rack cannot be left open, install a commercially-available fan or similar ventilating option to ensure sufficient airflow. If you have installed a fan kit, there may be cases in which closing the rear of the rack will produce a greater cooling effect. Refer to the rack and/or fan unit manual for details.

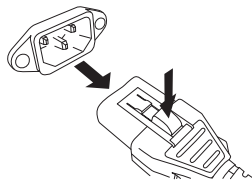
3-4. Power supply

3-4-1. Connecting the AC power cord

1. Make sure that the ⏻ [MAIN] power switch and the ⏻ [BACKUP] power switch are in the standby position (■).
2. Connect the supplied power cord to the AC power input socket of the unit.
3. Connect the other end of power cord to an AC outlet.

NOTE

- To disconnect the power cord, remove the cable in the order of steps 1 → 3 → 2 in the procedure described above.
- To disconnect the power cord, remove it while holding down the latch on the plug.



WARNING

Use only the supplied AC power cord. Using other cables may lead to overheating or electric shock.



CAUTION

Be sure to set to standby the power to the unit before connecting or disconnecting the power cord.

NOTICE

Even when the power switch is in the standby position (■), a small amount of current is flowing through the unit. If you plan not to use the unit for a long period of time, be sure to remove the power cord from the AC outlet.

3-4-2. Turning the power on and set to standby

When you turn on the power to the unit, be sure to turn on the power to the power amplifiers and/or powered speakers last to avoid speaker damage. Before you set to standby the power of the unit, first turn off the power to the power amplifiers and/or powered speakers.

3-5. About Dante

Dante is a network audio protocol developed by Audinate. It is designed to deliver multi-channel audio signals at various sampling and bit rates, as well as device control signals over a Giga-bit Ethernet (GbE) network.

Visit the Audinate website for more details on Dante:

<https://www.audinate.com/>

More information on Dante is also posted on the Yamaha Pro Audio website:

<http://www.yamahaproaudio.com/>

3-6. Notes regarding the use of network switches

Do not use the EEE functionality (*) of network switches on a Dante network.

Although mutual power consumption settings between switches that support the EEE functionality are adjusted automatically, there are some switches for which such mutual settings are not adjusted correctly.

This may cause EEE to be enabled in Dante networks when it is not appropriate, resulting in poor synchronization performance and occasional dropouts. Therefore we strongly recommend the following.

- If you use managed switches, please disable the EEE functionality. Do not use switches that prevent EEE functionality from being disabled.
- When using unmanaged switches, do not use switches that support EEE functionality. EEE functionality cannot be disabled for such switches.

* EEE (Energy Efficient Ethernet) is a technology that reduces switch power consumption during periods of low network traffic. It is also referred to as Green Ethernet and IEEE802.3az.

3-7. Dante network settings and audio routing

With the Dante network, you can route the audio input and output of multiple Dante devices in any way you like. This requires you to set which channel signals are sent to which inputs.

Use Dante Controller to configure the audio routing of the Dante network.

You can download Dante Controller from the following website:

<https://www.audinate.com/products/software/dante-controller?lang=en>

Refer to the Dante Controller owner's manual (available from the same website) for details about Dante Controller.

4. Installing Applications

4-1. MMP1 Editor

The MMP1 Editor is an application for operating the MMP1. It is compatible with Windows and Mac.

- 1. Login with administrative privileges to your computer to install the MMP1 Editor.**
- 2. Download the MMP1 Editor (installer) from the Yamaha Pro Audio website:**
<http://www.yamahaproaudio.com/>
- 3. Decompress the downloaded file.**
- 4. Double-click the installer in the decompressed folder to start installation.**
The installer name is “setup.exe” (for Windows), “Yamaha MMP1 Editor Vx.x.x.pkg” (for Mac). The characters “x.x.x” indicate the version of the MMP1.
- 5. Follow the onscreen instructions.**

NOTE

- In Windows, when the “User Account Control” dialog box appears, click [Continue] or [Yes].
- **To uninstall the MMP1 Editor**
Windows: In Control Panel, click [Programs and functions] or [Uninstall a program], then select the MMP1 Editor, and click [Uninstall or change].
Mac: double-click the “Uninstall Yamaha MMP1 Editor.app,” and then follow the instructions on screen.

4-2. MMP1 Controller

MMP1 Controller is an application for iPad to operate MMP1. This application is designed to operate MMP1 intuitively by limiting controllable functions compared to MMP1 Editor.

- 1. Search the “MMP1 Controller” at the App Store.**
- 2. Tap the “MMP1 Controller” to display details.**
- 3. Tap “Free” button.**
- 4. Tap “Install” button.**
- 5. Follow the instructions on screen.**

5. Troubleshooting

In addition to referring to this list of common problems/solutions, visit the Yamaha Pro Audio website for an FAQ list (Frequently Asked Questions).

<http://www.yamahaproaudio.com/>

5-1. MMP1 could not be found from a computer or iPad

- Make sure that a unique UNIT ID has been set, when working within the same Dante network.
- Make sure that the network switch is working properly. The problem may be solved by turning the network switch off and on again.
- Make sure that the cable is not damaged. The problem may be solved by replacing the cable.
- Make sure that the IP address of the computer and the IP address of the unit are set properly.

5-2. No sound

When the device is connected to the Dante network, make sure that patching within the Dante network is set up correctly with the Dante Controller.

For details, refer to the Dante Controller User Guide available on the website.

<https://www.audinate.com/products/software/dante-controller?lang=en>

5-3. How to update the firmware

Details on updating the firmware are available on the following Yamaha Pro Audio website:

<http://www.yamahaproaudio.com/>

5-4. An internal error message (such as “firmware mismatch”) appears on the device connected to the MMP1

Make sure that each device has a compatible version. For details, refer to the firmware compatibility information available on the website.

<http://www.yamahaproaudio.com/>

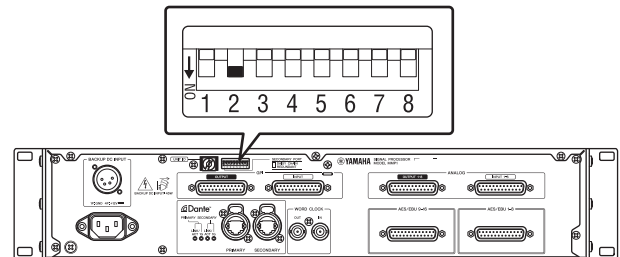
5-5. Restoring factory settings

Follow the steps below to initialize the internal memory of the unit to the factory programmed settings.

1. Set the unit to standby.

2. Turn on DIP switch 2 (DOWN), and turn the unit on again.

All front panel indicators (except the power indicator) flash, indicating all parameters have been restored to the factory settings.



3. Set the unit to standby.

4. Turn off DIP switch 2 (UP), and turn the unit on again.



6. Specifications

6-1. ELECTRICAL CHARACTERISTICS

Sampling Frequency	Internal	44.1kHz/48kHz/88.2kHz/96kHz/176.4kHz/192kHz
	External	44.1kHz/48kHz/88.2kHz/96kHz/176.4kHz/192kHz, ±200ppm
Analog Input/Output	Frequency Response	-1/0.5 dB, 20Hz – 20kHz
	THD+N	0.0036%, +4dB@20Hz – 20kHz, GAIN: 0dB, Fs=192kHz
	Dynamic Range	110dB, A-weighted
	Crosstalk@1kHz	-100dB

6-2. ANALOG INPUT CHARACTERISTICS

Input Terminals	Actual Load Impedance	For Use with Nominal	Input level		Connector	Balanced / Unbalanced
			Nominal	Max. before clip		
ANALOG INPUT 1 – 8	20kΩ	150Ω Lines	+4dB (1.23 V)	+24dBu (12.28V)	D-SUB Connector 25P (Female)	Balanced
	10kΩ	600Ω Lines	-10dBV (0.32 V)	+10dBV (3.16V)		Unbalanced

6-3. ANALOG OUTPUT CHARACTERISTICS

Output Terminals	Actual Source Impedance	For Use with Nominal	Output level		Connector	Balanced / Unbalanced
			Nominal	Max. before clip		
ANALOG OUTPUT 1 – 8	75Ω (BAL)	10kΩ Lines	+4dBu (1.23 V)	+24dBu (12.28V)	D-SUB Connector 25P (Female)	Balanced
			-2dBu (0.62V)	+18dBu (6.16 V)		

6-4. DIGITAL INPUT CHARACTERISTICS

Terminal	Format	Data length	Level	Connector	Balanced / Unbalanced
AES/EBU 1 – 16	AES/EBU	24bit	RS422	D-SUB Connector 25P (Female)	Balanced

6-5. DIGITAL OUTPUT CHARACTERISTICS

Terminal	Format	Data length	Level	Connector	Balanced / Unbalanced
AES/EBU 1 – 16	AES/EBU	24bit	RS422	D-SUB Connector 25P (Female)	Balanced

6-6. DIGITAL INPUT & OUTPUT CHARACTERISTICS

Terminal	Format	Data length	Level	Audio	Connector
Primary/Secondary	Dante	24bit	1000Base-T	64ch Input 64ch Output	etherCON x 2

6-7. CONTROL I/O CHARACTERISTICS

Terminal		Format	Level	Connector	Balanced / Unbalanced
GPI	IN	—	—	D-SUB Connector 25P (Female)	—
	OUT	—	—		
WORD CLOCK	IN	—	TTL/75Ω terminated	BNC	—
	OUT	—	TTL/75Ω		

- GPI inputs ch1-12: optically isolated. Load current = 3 mA (typical). See figure 1.
- GPI inputs ch13-16: optically isolated. IN+ input voltage range = 5 V to 24 V, Load current = 2 mA @5 V or 10 mA@24 V (typical). See figure 2.
- GPI outputs ch1-10: Open collector outputs. Maximum current draw 75 mA (per channel). Withstand a voltage of 12 V. See figure 3.
- GPI +5 V outputs: Output voltage = 5 V +/- 0.25 V, Maximum surpply current in total = 300 mA. See "6-10. Pin assignment / GPI [OUTPUT] connector."

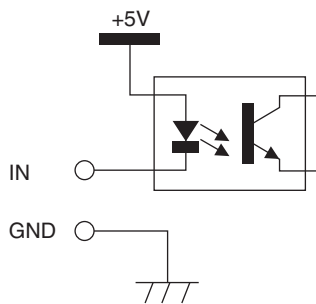


Figure 1: GPI Inputs ch1-12

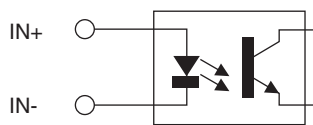


Figure 2: GPI Inputs ch13-16

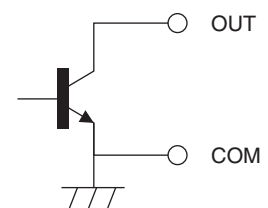


Figure 3: GPI outputs

6-8. EXTERNAL DC INPUT CHARACTERISTICS

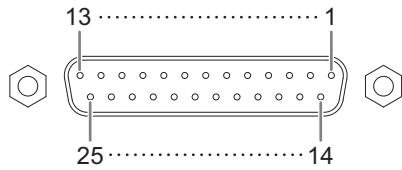
Terminal	Connector
BACKUP DC INPUT	XLR-4-32 type

6-9. General specifications

Power Requirements (wattage)	45W
Power Requirements for MAIN AC INPUT (voltage and hertz)	US/Canada: 120V 60Hz Japan: 100V 50/60Hz China: 110 – 240V 50/60Hz Korea: 220V 60Hz Other: 110 – 240V 50/60Hz
Power Requirements for BACKUP DC INPUT	12V-14.8V, 4A
Temperature Range	Operating temperature range: 0 – 40°C Storage temperature range: -20 – 60°C
Dimensions (W x H x D)	480 x 88 x 368 mm (18-7/8" x 3-1/2" x 14-1/2")
Net Weight	7.0 kg (15.43 lb)
Included Accessories	Power cable, Ferrite core, Getting Started, Rubber stoppers (4)

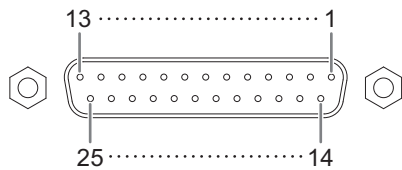
6-10. Pin assignment

ANALOG [INPUT] connector



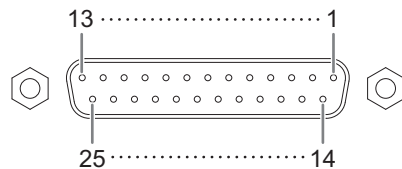
Signal		Input Ch								Open	GND
		1	2	3	4	5	6	7	8		
Pin	Hot	24	10	21	7	18	4	15	1	13	2, 5, 8, 11, 16, 19, 22, 25
	Cold	12	23	9	20	6	17	3	14		

ANALOG [OUTPUT] connector



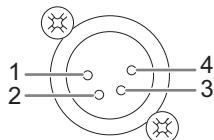
Signal		Output Ch								Open	GND
		1	2	3	4	5	6	7	8		
Pin	Hot	24	10	21	7	18	4	15	1	13	2, 5, 8, 11, 16, 19, 22, 25
	Cold	12	23	9	20	6	17	3	14		

[AES/EBU] connectors



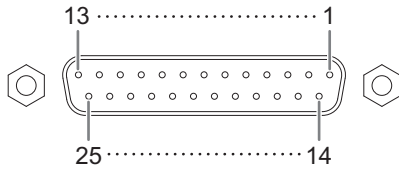
Signal		Data In Ch				Data Out Ch				Open	GND
		1-2	3-4	5-6	7-8	1-2	3-4	5-6	7-8		
		9-10	11-12	13-14	15-16	9-10	11-12	13-14	15-16		
Pin	Hot	1	2	3	4	5	6	7	8	9,11	10, 12, 13, 22, 23, 24, 25
	Cold	14	15	16	17	18	19	20	21		

[BACKUP DC INPUT] connector



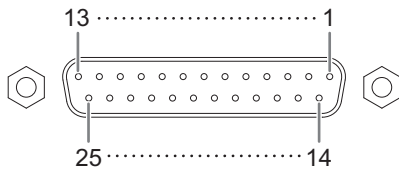
Signal	Open	GND	+12V
Pin	2, 3	1	4

GPI [INPUT] connector



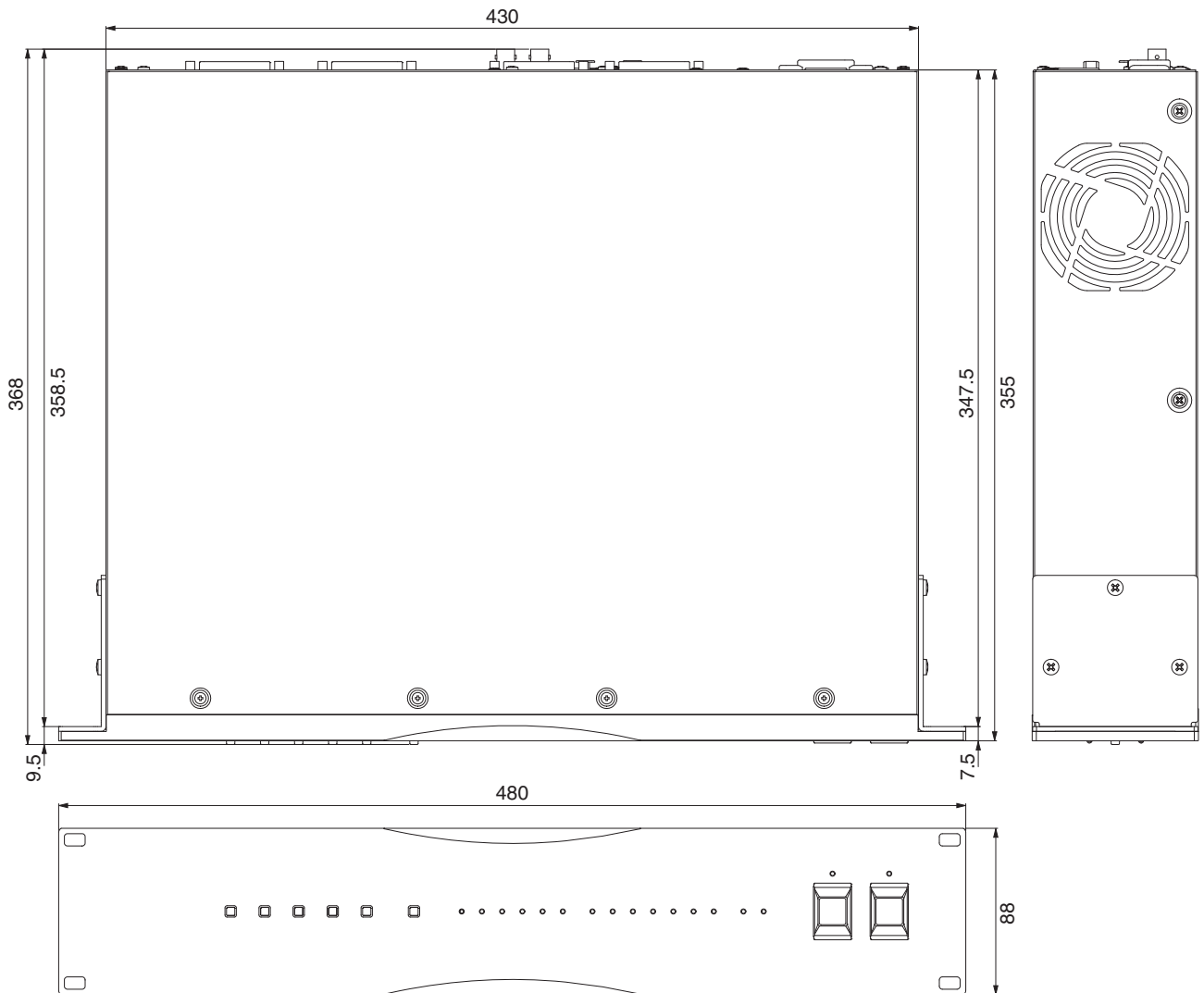
Signal		GPI Input Channel																Open	GND
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
Pin	IN, IN+	1	14	2	15	3	16	4	17	5	18	6	19	20	21	22	23	13	11, 12 24, 25
	IN+													7	8	9	10		

GPI [OUTPUT] connector



Signal		GPI Output Channel										Open	GND	+5V
		1	2	3	4	5	6	7	8	9	10			
Pin	OUT	1	2	3	4	5	6	7	8	9	10	13	11 24	12 25
	COM	14	15	16	17	18	19	20	21	22	23			

6-11. Dimensions



Unit: mm

The contents of this manual apply to the latest specifications as of the publishing date. To obtain the latest manual, access the Yamaha website then download the manual file.

Der Inhalt dieser Bedienungsanleitung gilt für die neuesten technischen Daten zum Zeitpunkt der Veröffentlichung. Um die neueste Version der Anleitung zu erhalten, rufen Sie die Website von Yamaha auf und laden Sie dann die Datei mit der Bedienungsanleitung herunter.

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O conteúdo deste manual se aplica às especificações mais recentes a partir da data de publicação. Para obter o manual mais recente, acesse o site da Yamaha e faça o download do arquivo do manual.

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Ty Coon, President of Vice

That's all there is to it!

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Product Planning Group, Business Development Department,
Commercial Audio Business Division, YAMAHA Corporation
10-1 Nakazawa-cho, Naka-ku, Hamamatsu, 430-8650, JAPAN

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Important Notice: Guarantee Information for customers in EEA* and Switzerland For detailed guarantee information about this Yamaha product, and Pan-EEA* and Switzerland warranty service, please either visit the website address below (Printable file is available at our website) or contact the Yamaha representative office for your country. * EEA: European Economic Area	English
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Remarque importante: informations de garantie pour les clients de l'EEE et la Suisse Pour des informations plus détaillées sur la garantie de ce produit Yamaha et sur le service de garantie applicable dans l'ensemble de l'EEE ainsi qu'en Suisse, consultez notre site Web à l'adresse ci-dessous (le fichier imprimable est disponible sur notre site Web) ou contactez directement Yamaha dans votre pays de résidence. * EEE : Espace Economique Européen	Français
Belangrijke mededeling: Garantie-informatie voor klanten in de EER* en Zwitserland Voor gedetailleerde garantie-informatie over dit Yamaha-product en de garantieservice in heel de EER* en Zwitserland, gaat u naar de onderstaande website (u vindt een afdrukbaar bestand op onze website) of neemt u contact op met de vertegenwoordiging van Yamaha in uw land. * EER: Europese Economische Ruimte	Nederlands
Aviso importante: información sobre la garantía para los clientes del EEE* y Suiza Para una información detallada sobre este producto Yamaha y sobre el soporte de garantía en la zona EEE* y Suiza, visite la dirección web que se incluye más abajo (la versión del archivo para imprimir esta disponible en nuestro sitio web) o póngase en contacto con el representante de Yamaha en su país. * EEE: Espacio Económico Europeo	Español
Avviso importante: informazioni sulla garanzia per i clienti residenti nell'EEA* e in Svizzera Per informazioni dettagliate sulla garanzia relativa a questo prodotto Yamaha e l'assistenza in garanzia nei paesi EEA* e in Svizzera, potete consultare il sito Web all'indirizzo riportato di seguito (è disponibile il file in formato stampabile) oppure contattare l'ufficio di rappresentanza locale della Yamaha. * EEA: Area Economica Europea	Italiano
Aviso importante: informações sobre as garantias para clientes da AEE* e da Suíça Para obter uma informação pormenorizada sobre este produto da Yamaha e sobre o serviço de garantia na AEE* e na Suíça, visite o site a seguir (o arquivo para impressão está disponível no nosso site) ou entre em contato com o escritório de representação da Yamaha no seu país. * AEE: Área Económica Europeia	Português
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Viktigt: Garantiinformation för kunder i EES-området* och Schweiz För detaljerad information om denna Yamahaprodukt samt garantiservice i hela EES-området* och Schweiz kan du antingen besöka nedanstående webbadress (en utskriftsvänlig fil finns på webbplatsen) eller kontakta Yamahas officiella representant i ditt land. * EES: Europeiska Ekonomiska Samarbetsområdet	Svenska
Viktig merknad: Garantiinformasjon for kunder i EØS* og Sveits Detaljert garantiinformasjon om dette Yamaha-produktet og garantiservice for hele EØS-området* og Sveits kan fås enten ved å besøke nettstedene nedenfor (utskriftsversjon finnes på våre nettsider) eller kontakte Yamahas kontoret i landet der du bor. *EØS: Det europeiske økonomiske samarbeidsområdet	Norsk
Vigtig oplysning: Garantioplysninger til kunder i EØ* og Schweiz De kan finde detaljerede garantioplysninger om dette Yamaha-produkt og den fælles garantiserviceordning for EØ* (og Schweiz) ved at besøge det websted, der er angivet nedenfor (der findes en fil, som kan udskrives, på vores websted), eller ved at kontakte Yamahas nationale repræsentationskontor i det land, hvor De bor. * EØ: Det Europæiske Økonomiske Område	Dansk
Tärkeä ilmoitus: Takuutiedot Euroopan talousalueen (ETA)* ja Sveitsin asiakkaille Tämän Yamaha-tuotteen sekä ETA-alueen ja Sveitsin takuuta koskevat yksityiskohtaiset tiedot saatte alla olevasta nettiosoitteesta. (Tulostettava tiedosto saatavissa sivustollamme.) Voititte myös ottaa yhteyttä paikalliseen Yamaha-edustajaan. *ETA: Euroopan talousalue	Suomi
Ważne: Warunki gwarancyjne obowiązujące w EOG* i Szwajcarii Aby dowiedzieć się więcej na temat warunków gwarancyjnych tego produktu firmy Yamaha i serwisu gwarancyjnego w całym EOG* i Szwajcarii, należy odwiedzić wskazaną poniżej stronę internetową (Plik gotowy do wydruku znajduje się na naszej stronie internetowej) lub skontaktować się z przedstawicielstwem firmy Yamaha w swoim kraju. * EOG — Europejski Obszar Gospodarczy	Polski
Důležité oznámení: Záruční informace pro zákazníky v EHS* a ve Švýcarsku Podrobné záruční informace o tomto produktu Yamaha a záručním servisu v celém EHS* a ve Švýcarsku naleznete na níže uvedené webové adrese (soubor k tisku je dostupný na našich webových stránkách) nebo se můžete obrátit na zástupce firmy Yamaha ve své zemi. * EHS: Evropský hospodářský prostor	Česky
Fontos figyelemzetetés: Garancia-információk az EGT* területén és Svájcban élő vásárlók számára A jelen Yamaha termékre vonatkozó részletes garancia-információk, valamint az EGT*-re és Svájcra kiterjedő garanciális szolgáltatás tekintetében keresse fel webhelyünket az alábbi címen (a webhelyen nyomtatható fájl is található), vagy pedig lépjen kapcsolatba az országában működő Yamaha képviselői irodával. * EGT: Európai Gazdasági Térség	Magyar
Oluline märkus: Garantiiteave Euroopa Majanduspiirkonna (EMP)* ja Šveitsi klientidele Täpsemat teabe saamiseks selle Yamaha toote garantii ning kogu Euroopa Majanduspiirkonna ja Šveitsi garantiiteeninduse kohta, külastage palun veebisaiti alljärgneval aadressil (meie saidil on saadaval printitav fail) või pöörduge Teie regiooni Yamaha esinduse poole. * EMP: Euroopa Majanduspiirkond	Eesti keel
Svarīgs paziņojums: garantijas informācija klientiem EEZ* un Šveicē Lai saņemtu detalizētu garantijas informāciju par šo Yamaha produktu, kā arī garantijas apkalpošanu EEZ* un Šveicē, lūdzmu, apmeklējiet zemāk norādīto tīmekļa vietnes adresi (tīmekļa vietnē ir pieejams drukājams fails) vai sazinieties ar jūsu valsti apkalpojošo Yamaha pārstāvniecību. * EEZ: Eiropas Ekonomikas zona	Latviešu
Dėmesio: informacija dėl garantijos pirkėjams EEE* ir Šveicarijoje Jei reikia išsamios informacijos apie šį „Yamaha“ produktą ir jo techninę priežiūrą visoje EEE* ir Šveicarijoje, apsilankykite mūsų svetainėje toliau nurodytu adresu (svetainėje yra spausdintinas failas) arba kreipkitės į „Yamaha“ atstovybę savo šaliai. *EEE – Europos ekonominė erdvė	Lietuvių kalba
Dôležité upozornenie: Informácie o záruke pre zákazníkov v EHP* a Švajčiarsku Podrobné informácie o záruke týkajúce sa tohto produktu od spoločnosti Yamaha a garančnom servise v EHP* a Švajčiarsku nájdete na webovej stránke uvedenej nižšie (na našej webovej stránke je k dispozícii súbor na tlač) alebo sa obráťte na zástupcu spoločnosti Yamaha vo svojej krajine. * EHP: Európsky hospodársky priestor	Slovenčina
Pomembno obvestilo: Informacije o garanciji za kupce v EGP* in Švici Za podrobnejše informacije o tem Yamahinem izdelku ter garancijskem servisu v celotnem EGP in Švici, obiščite spletno mesto, ki je navedeno spodaj (natisljiva datoteka je na voljo na našem spletnem mestu), ali se obrnite na Yamahinega predstavnika v svoji državi. * EGP: Evropski gospodarski prostor	Slovenščina
Важно съобщение: Информация за гаранцията за клиенти в ЕИП* и Швейцария За подробна информация за гаранцията за този продукт на Yamaha и гаранционното обслужване в паневропейската зона на ЕИП* и Швейцария или посетете посочения по-долу уеб сайт (на нашия уеб сайт има файл за печат), или се свържете с представителния офис на Yamaha във вашата страна. * ЕИП: Европейско икономическо пространство	Български език
Notificare importantă: Informații despre garanție pentru clienții din SEE* și Elveția Pentru informații detaliate privind acest produs Yamaha și serviciul de garanție Pan-SEE* și Elveția, vizitați site-ul la adresa de mai jos (fișierul imprimabil este disponibil pe site-ul nostru) sau contactați biroul reprezentanței Yamaha din țara dumneavoastră. * SEE: Spațiul Economic European	Limba română
Važna obavijest: Informacije o jamstvu za države EGP-a i Švicarske Za detaljne informacije o jamstvu za ovaj Yamahin proizvod te jamstvenom servisu za cijeli EGP i Švicarsku, molimo Vas da posjetite web-stranicu navedenu u nastavku ili kontaktirate ovlaštenog Yamahinog dobavljača u svojoj zemlji. * EGP: Europski gospodarski prostor	Hrvatski

<https://europe.yamaha.com/warranty/>

ADDRESS LIST

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