



DIGITAL MIXING CONSOLE

DM7

DM7 COMPACT

Owner's Manual

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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:

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.
 - The power cord or plug becomes frayed or damaged.
 - Unusual smells or smoke are emitted.
 - Some object, or water has been dropped into the product.
 - There is a sudden loss of sound during use of the product.
 - Cracks or other visible damage appear on the product.
 Then have the product inspected or repaired by qualified Yamaha service personnel.

Power supply

- 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 product. The required voltage is printed on the name plate of the product.
- Use the supplied power cord/plug only.
If you intend to use the product 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 use the supplied cord/plug for other products.
- Check the electric plug periodically and remove any dirt or dust which may have accumulated on it.
- Make sure to fully insert the electric plug to prevent electric shocks or fire.
- This product receives power from multi sources. When setting up the product, 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 all plugs from the outlet. Even when the power switch is turned off, as long as the power cord is not unplugged from the wall AC outlet, the product will not be disconnected from the power source.
- Remove the electric plug from the outlet when the product is not to be used for extended periods of time.
- Do not touch the product or the electric plug during an electrical storm.



Connections

- Be sure to connect to an appropriate outlet with a protective grounding connection. Improper grounding can result in electrical shock, fire, or damage.
- Always read the manuals of the devices to be connected and follow the directions they contain. Failure to do so may result in fire, overheating, explosion, or malfunction.

Do not open

- This product contains no user-serviceable parts. Do not attempt to disassemble the internal parts or modify them in any way.

Water warning

- Do not expose the product 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.
- Never insert or remove an electric plug with wet hands.

Fire warning

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

Hearing loss

- Before turning the power of all devices on or off, make sure that all volume levels are set to the minimum. Failing to do so may result in hearing loss, electric shock, or device damage.
- When turning on the AC 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.
- Do not use headphones for a long period of time at a high or uncomfortable volume level, since this can cause permanent hearing loss. If you experience any hearing loss or ringing in the ears, consult a physician.

CAUTION

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

Power supply

- When removing the electric plug from the product or an outlet, always hold the plug itself and not the cord. Pulling by the cord can damage it.

Location and connection

- Do not place the product in an unstable position or a location with excessive vibration, where it might accidentally fall over and cause injury.
- Keep this product out of reach of children. This product is not suitable for use in locations where children are likely to be present.
- Do not block the vents. This product has ventilation holes at the front/rear to prevent the internal temperature from becoming too high. In particular, do not place the product on its side or upside down. Inadequate ventilation can result in overheating, possibly causing damage to the product(s), or even fire.
- [DM7 COMPACT] If the product is mounted in an EIA standard rack, carefully read the section "Precautions for rack mounting" on page 18. Inadequate ventilation can result in overheating, possibly causing damage to the product(s), malfunction, or even fire.
- Do not place the product in a location where it may come into contact with corrosive gases or salt air. Doing so may result in malfunction.
- Before moving the product, remove all connected cables.
- [DM7] When transporting or moving the product, always use two or more people. Attempting to lift the product by yourself may result in injuries, such as back injuries, or cause the product to be dropped and broken, which could lead to other injuries.

Maintenance

- Remove the power plug from the AC outlet when cleaning the product.

Handling caution

- Do not rest your weight on the product or place heavy objects on it.

Internal battery for clock display

- Do not replace the internal battery by yourself. Doing so may cause an explosion and/or damage to the product(s). When the internal battery needs to be replaced, "Low Battery" or "No Battery" will appear on the display. In this case, contact your Yamaha dealer and have qualified Yamaha service personnel replace the internal battery.

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 connect this product to public Wi-Fi and/or Internet directly. Only connect this product to the Internet through a router with strong password-protections. Consult your router manufacturer for information on security best practices.
- Do not use the product in the vicinity of a TV, radio, or other electric products. Otherwise, the product, TV, or radio may generate noise.
- Do not expose the product to excessive dust or vibration, or extreme cold or heat, in order to prevent the possibility of panel disfiguration, unstable operation, or damage to the internal components.
- Do not install in locations where temperature changes are severe. Otherwise, condensation may form on the inside or the surface of the product, causing it to break.
- If there is reason to believe that condensation might have occurred, leave the product for several hours without turning on the power until the condensation has completely dried out, in order to prevent possible damage.
- Do not place vinyl, plastic or rubber objects on the product, since this might cause alteration or discoloration of the panel.
- Clean the product with a dry and soft cloth. Do not wipe product surfaces with sodium hypochlorite, alcohol, benzene, paint thinners, cleaning fluids, or a chemical-impregnated wiping cloth, which could cause discoloration or change surface characteristics.
- Do not apply oil, grease, or contact cleaner to the faders. Doing so might cause problems with electrical contact or fader motion.

Information

About copyrights

- Copying of the software or reproduction of this manual in whole or in part by any means is expressly forbidden without the written consent of the manufacturer.
- Copying of commercially available musical data including but not limited to MIDI data and/or audio data is strictly prohibited except for your personal use.

Protection of copyright

- Do not use this product for any purpose that may infringe upon the rights of any third party including copyrights, as established by law in each country or region.
- Yamaha bears no responsibility for any infringement upon third party rights that may occur as a result of using this product.

About functions/data bundled with the product

- This product uses Dante IP Core and Dante API for ARM. Refer to the Audinate website (English) for details on the open-source licenses for the particular software. <https://www.audinate.com/software-licensing>
- The open source license used with this product can be checked on the screen of the unit. For more details, refer to the DM7 series Reference Manual.
- XLR-type connectors are wired as follows (IEC60268 standard): pin 1: ground, pin 2: hot (+), and pin 3: cold (-).

About this manual

- The illustrations and screens as shown in this manual are for instructional purposes only.
- Steinberg Media Technologies GmbH and 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.
- The company names and product names in this manual are the trademarks or registered trademarks of their respective companies.
- Steinberg and Nuendo are registered trademarks of Steinberg Media Technologies GmbH.
- Windows is a registered trademark of Microsoft Corporation in the United States and other countries.
- Apple, Mac, and iPad are trademarks of Apple Inc. registered in the United States and other countries.
- IOS is a trademark or registered trademark of Cisco in the U.S. and other countries and is used under license.
- The typefaces included herein are solely developed by DynaComware Taiwan Inc.
- Software may be revised and updated without prior notice.

About disposal

- This product contains recyclable components. When disposing of this product, please contact the appropriate local authorities.

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

The model number, serial number, power requirements, etc., may be found on or near the name plate, which is at the bottom of the unit (DM7 COMPACT).

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.

(1003-M06 plate bottom en 01)

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 cannot locate the appropriate retailer, please contact Yamaha Corporation of America, 6600 Orangethorpe Avenue, Buena Park, CA 90620, U.S.A.

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

(529-M04 FCC class B YCA 02)

COMPLIANCE INFORMATION STATEMENT (Supplier's declaration of conformity procedure)

Responsible Party: Yamaha Corporation of America
Address: 6600 Orangethorpe Avenue, Buena Park, CA.
90620, U.S.A.
Telephone: 714-522-9011
Type of Equipment: Digital Mixing Console
Model Name: DM7, DM7C

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.

This product contains a battery that contains perchlorate material.
Perchlorate Material - special handling may apply.
See www.dtsc.ca.gov/hazardouswaste/perchlorate

(583-M01 perchlorate 01)

(529-M02 FCC sdoc YCA 02)

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.

(58-M02 WEEE en 01)

Introduction

Thank you for your purchase of the Yamaha DM7 or DM7 COMPACT. To take full advantage of the product's functionality, please read this manual before you begin using the product. Afterwards, please keep the manual in a safe place.

Intended User

This product is designed for individuals who are capable of operating a mixing console for use with a PA system in concert halls, at musical events, or in recording studios.

Intended Usage

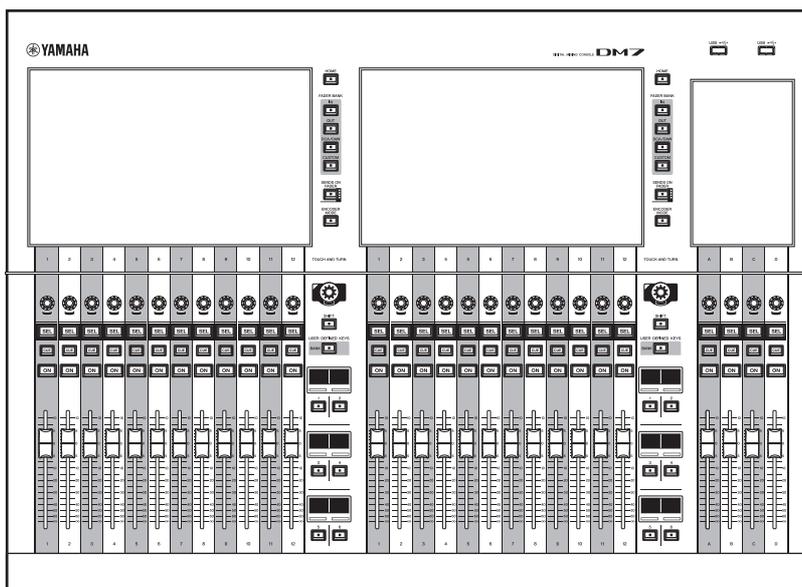
This product is designed for mixing operations in concert halls, at musical events, broadcasting, or audio productions.

About the Models

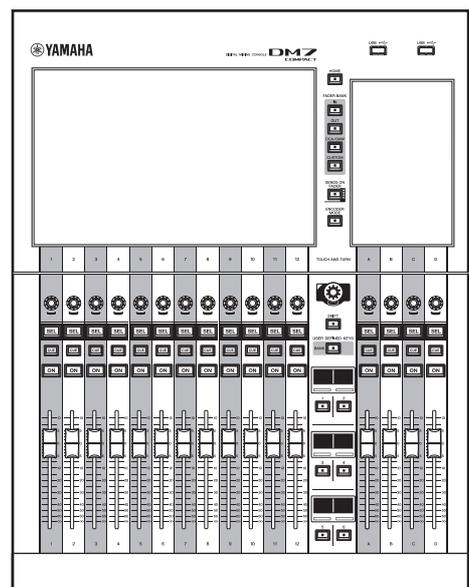
Differences between the DM7 and DM7 COMPACT are summarized in the table below.

	Number of Analog Inputs	Number of Monaural Input Channels	AES/EBU	Channel Strips
DM7	32	120	4-in/4-out	Channel Strip section: 24 Main section: 4
DM7 COMPACT	16	72	0-in/2-out	Channel Strip section: 12 Main section: 4

DM7



DM7 COMPACT



NOTE

Unless otherwise noted, illustrations in this manual are of the DM7.

Accessories

- Power cord × 2
(Multiple AC power cords which have different kinds of plug shapes may be included depending on the region.)
- Dust cover × 1
(If this product is connected to a separately-sold DM7 CONTROL (CTL-DM7), open both zippers on the dust cover and extend it to cover both units.)
- Cable hook × 1
- Nuendo Live and VST Rack Elements Download Information leaflet
- Owner's Manual (this book)

Utility Software

The DM7 and DM7 COMPACT can be used with a variety of utility software.

For information regarding how to download or install the software, as well as its various setting details, refer to the following Yamaha Pro Audio website or to the Installation Guide attached to the downloaded software program.

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

DM7 Editor

This application software enables you to set up and operate the unit from a connected computer. You can also back up the unit settings, or set up the unit at a remote site where access to the unit is limited.

DM7 StageMix

This application software enables you to control the unit remotely from an iPad.

MonitorMix

This application software enables you to remotely control the monitor mix balance of any DM7-series unit from a smart device connected via Wi-Fi.

Console File Converter

This application software enables you to convert settings file formats between the Yamaha RIVAGE PM series, CL series, QL series and DM7 series.

ProVisionaire series

This application software enables you to create a control panel that suits the setup environment or operational procedure, and to remotely control and monitor devices.

Firmware Updates

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

Information on updating the firmware can be found on the following website.

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

For information on updating and setting up the unit, please refer to the firmware update guide available on the website.

Available Documentation

Owner's Manual (this book)

This book primarily explains panel controls and functions.

DM7 series Reference Manual

This manual provides detailed explanations of all screens and functions, and includes step-by-step procedures and a system set-up procedure to help you operate the DM7 series.

<https://manual.yamaha.com/pa/mixers/dm7/rm/>



DM7 Editor Installation Guide

This guide explains how to install DM7 Editor.

<https://manual.yamaha.com/pa/mixers/dm7/ig/>



DM7 StageMix User Guide

This guide explains iPad application software that enables you to control the DM7 series system wirelessly.

<https://manual.yamaha.com/pa/mixers/dm7/ug/>



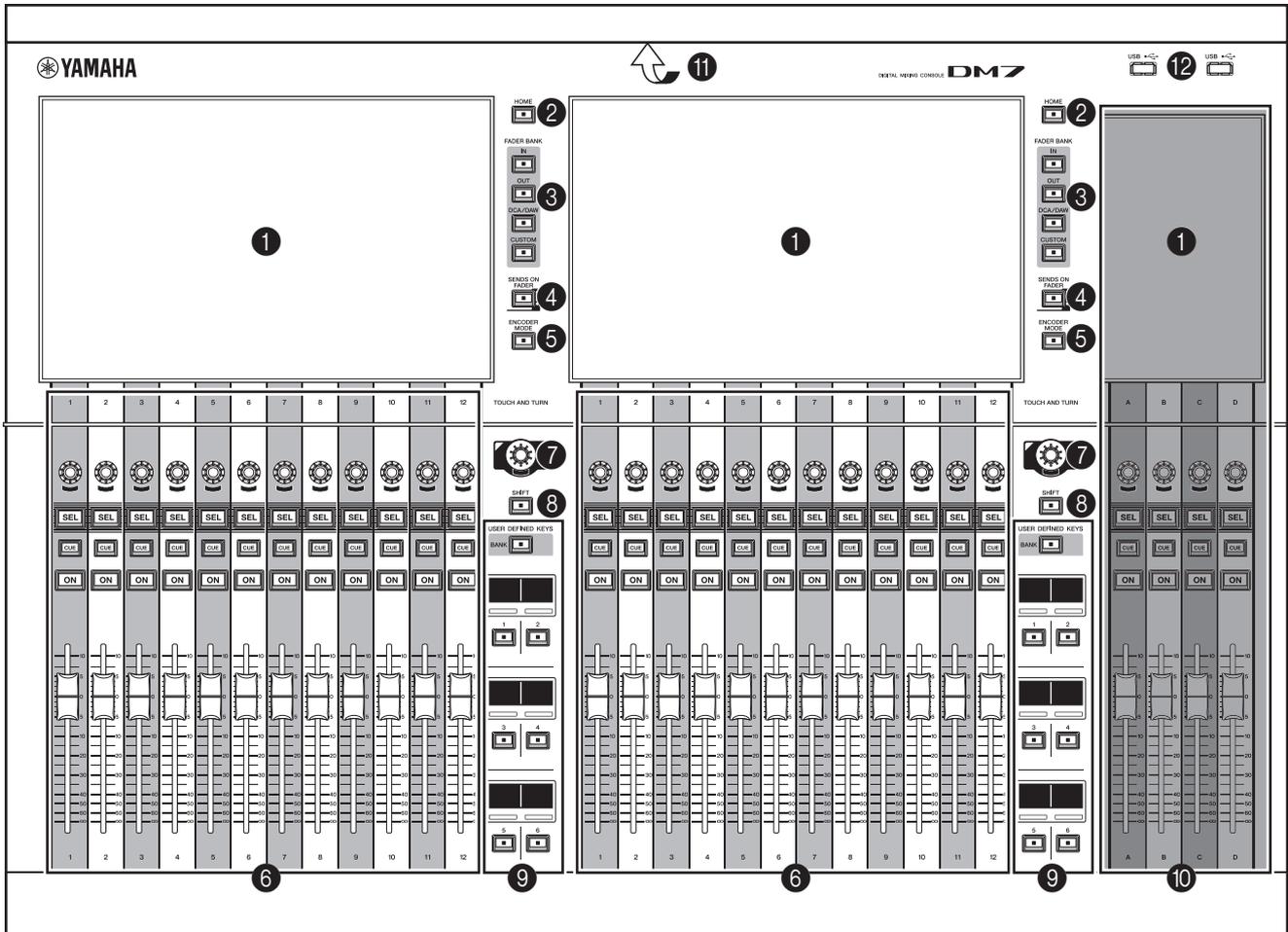
All of these manuals can be downloaded from the Yamaha website. If necessary, you can view updated manual information, which is always posted on the Yamaha website.
<https://download.yamaha.com/>

Notational Conventions

In this manual, switch-type controllers on the panel are called “keys.” Names of controls located on the panel are enclosed in square brackets [] (e.g., [HOME]) to distinguish them from virtual buttons and knobs displayed on screen.

Controls and Functions

Top Panel



1 Touch screens

These are capacitive multi-touch screens. The touch screens will not respond correctly if you are wearing gloves.

NOTICE

Never use a sharp or pointed object such as your fingernail to operate the touch screens. Doing so may scratch the screens and render the touch screens inoperable.

(“Viewing Touch Screens” “Basic Touch Screen Operations” → page 15)

NOTE

Before use, be sure to remove the transparent film that was applied to the touch screens to protect them during transport.

2 [HOME]

Recall and toggle between the OVERVIEW and SELECTED CHANNEL VIEW screens.

3 [FADER BANK]

Assign the function to the faders on the panel.

4 [SENDS ON FADER]

Switch SENDS ON FADER mode on or off. When this mode is turned on, you can use the channel strips to adjust the send level of signals sent to the MIX/MATRIX bus.

5 [ENCODER MODE]

Use these keys to display the screen on the corresponding Bay screen to switch between functions for the encoders located below the touch screen. These encoders feature the following two functions:

Screen Encoder function

Up to 12 parameters can be assigned to the encoders via the touch screens.

Channel Encoder function

Parameters for 12 channels on the channel strips can be assigned to the encoders.

6 Channel Strip sections

Enable you to adjust the main parameters for the currently-selected channels.

7 [TOUCH AND TURN]

Control the parameter of the knob selected via the touch screens.

8 [SHIFT]

Combine with another key to perform a certain function. For more information, refer to the DM7 series Reference Manual.

9 [USER DEFINED KEYS]

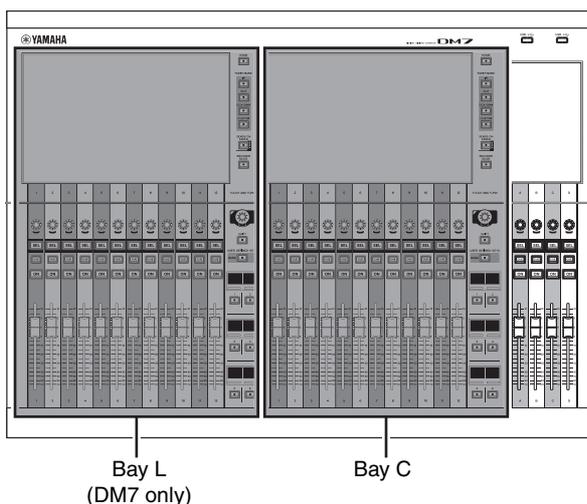
Enable you to control the assigned function. Use the [BANK] to switch banks.

10 Main section

This section enables you to adjust main parameters for the assigned channels. By default, STEREO A and STEREO B are assigned to channel C and D respectively.

NOTE

The shaded areas in the following illustration are called Bay L (DM7 only) and Bay C respectively.



11 LED lighting bar

Illuminates the operation panel in a dark place. For more information, refer to the DM7 series Reference Manual.

12 USB connectors

These are USB Type-A connectors.

Use these connectors to connect a USB storage device such as a USB flash drive.

• Supported USB flash drive format

The FAT16/FAT32 formats are supported.

• Preventing accidental erasure

Some USB flash drives feature write protection that prevents data from being erased inadvertently. If your USB flash drive contains important data, we suggest that you use write protection to prevent accidental erasure.

On the other hand, you will need to make sure that your USB flash drive's write-protect setting is turned off before you save data onto the flash drive.

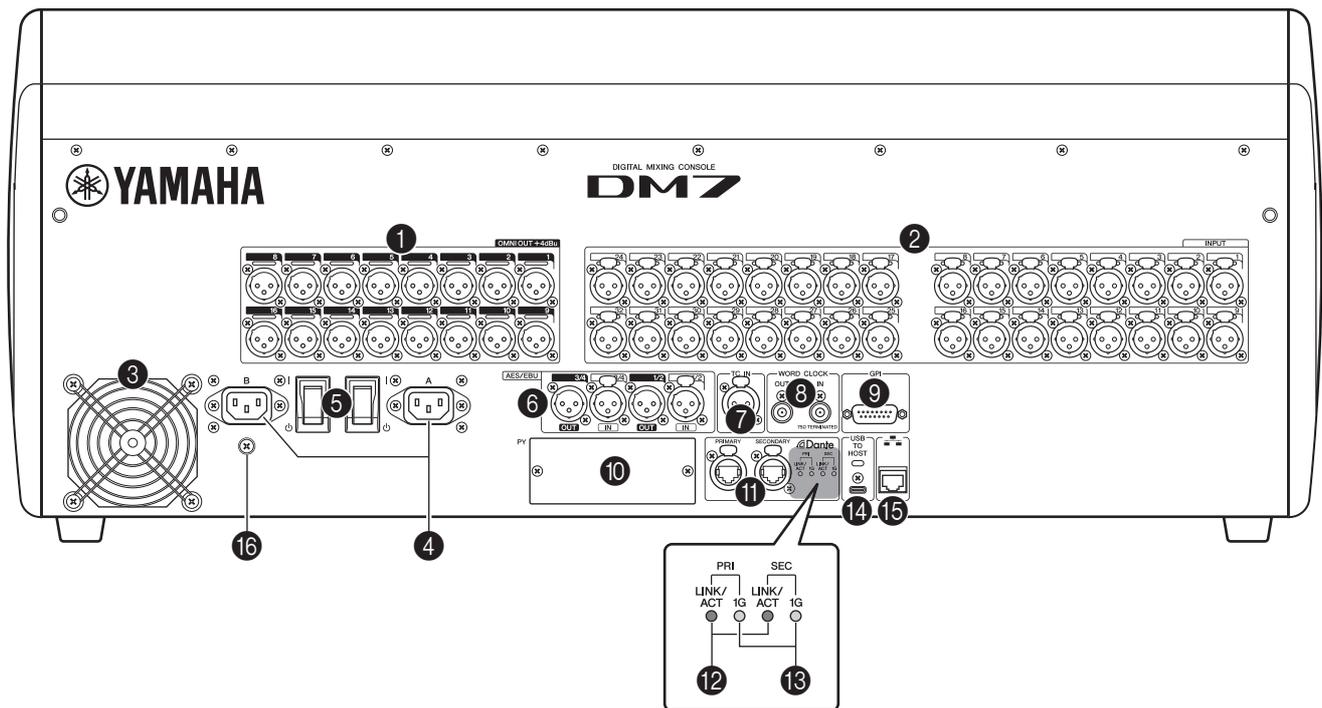
For the latest information on what USB flash drives can be used with the system, visit the Yamaha Pro Audio website at:

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

NOTICE

Do not remove the USB flash drive from the USB connector or turn off the power to the unit while the unit is accessing data, e.g., saving, loading or deleting data. Doing so may damage your flash drive, or may damage the data in the unit or on your media device.

Rear Panel



1 [OMNI OUT]

These are balanced XLR 3-pin chassis output connectors that transmit analog audio signals.

2 [INPUT]

These are balanced XLR 3-hole chassis input connectors for analog audio signals from line level devices or microphones.

3 Cooling vent

This product is equipped with a cooling fan. This vent lets warm air escape from the unit. Make sure that you do not block the vent with any object. The air is taken in through the ventilation ports at the rear and under the front.



CAUTION

Do not block the ventilation ports (heat dissipating slits) on this product. This product has ventilation ports at the front and rear to prevent the internal temperature from becoming too high. If the ventilation ports are blocked, heat will get trapped inside the product, which may cause malfunction or fire.

4 AC IN connectors [A]/[B]

Use these sockets to connect the supplied power cords. First connect the AC power cords to this unit, and then insert the power cord plugs into AC outlets.

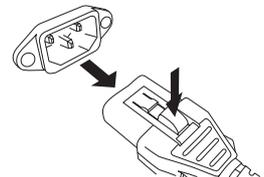
Insert the power cord plugs all the way into the power connectors until they lock in place securely. The supplied AC power cords feature a V-lock mechanism via a latch, which prevents the power cords from disconnecting accidentally.



CAUTION

Be sure to turn off the power to the unit before connecting or disconnecting the power cords.

To disconnect each power cord, remove it while pressing the latch on the plug.



5 [I]/[⏻] (Power switches)

Toggle between power on (I) and off (⏻). If you plan not to use the unit for a long period of time, remove the power cords from the AC outlets.

NOTICE

Turning the unit on and off in rapid succession can cause it to malfunction. After turning the unit off, wait at least six seconds before turning it on again.

NOTE

- This product will operate normally when one or both power supplies [A] and [B] are both on.
- If both power supplies are on and one of the power supplies fails during operation, the unit automatically switches to the other power supply.

6 [AES/EBU]

The DM7 is equipped with a sampling rate converter at both the [IN] and [OUT] chassis connectors. Please note that the DM7 COMPACT, which features only the [OUT] chassis connectors, is not equipped with a sampling rate converter.

[IN] (DM7 only)

These are balanced XLR 3-hole chassis input connectors that accept digital audio signals in the AES/EBU format.

[OUT]

These are balanced XLR 3-pin chassis output connectors for digital audio signals in the AES/EBU format.

7 [TC IN]

This balanced XLR 3-hole chassis input connector accepts time code signals from the connected external device.

8 [WORD CLOCK OUT/IN]

These are BNC sockets used to transmit and receive word clock signals to and from an external device. The [WORD CLOCK IN] is internally terminated by a 75 ohm resistor.

9 [GPI]

This is a D-sub 15-hole chassis connector that allows communication (5-in/5-out) with a GPI-equipped external device.

10 [PY]

This card slot enables you to install a separately-sold PY card to expand the number of I/O ports. ("Installing Optional Cards" → page 16).

11 Dante [PRIMARY]/[SECONDARY]

These connectors are used to connect to other Dante audio network devices, such as an Rio3224-D2 I/O device. Use RJ-45 plugs that are compatible with Neutrik etherCON CAT5e connectors.

These connectors support up to 144-in/144-out, and 96 kHz/24 or 32-bit, or 48 kHz/24 or 32-bit audio.

NOTE

- Use STP (Shielded Twisted Pair) cable 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.
- Please do not use the EEE function (*) of network switches in a Dante network.

Although power management should be negotiated automatically in switches that support EEE, some switches do not perform the negotiation properly. 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 that:

- If you use managed switches, ensure that they allow EEE to be disabled. Make sure that EEE is disabled on all ports used for real-time Dante traffic.
- If you use unmanaged switches, make sure to not use network switches that support the EEE function, since EEE operation cannot be disabled in these switches.

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

12 [LINK/ACT]

These indicators show the communication status of the [PRIMARY] and [SECONDARY] respectively.

If the Ethernet cables are connected properly, the indicators will flash rapidly.

13 [1G]

These indicators light when the Dante network is functioning as Giga-bit Ethernet.

14 [USB TO HOST]

This is a USB Type-C (USB2.0) connector.

By connecting a computer here via a USB cable, the console can function as an up to 18-in/18-out, 96 kHz/32-bit or 48 kHz/32-bit audio interface. It also enables you to use USB-MIDI to control any DM7-series unit and remotely control DAW software.

You must install the Yamaha Steinberg USB Driver to communicate with the computer. For more information, refer to the DM7 series Reference Manual.

NOTICE

- Use USB cables less than three (3) meters long.
- Leave an interval of at least six (6) seconds between plugging and unplugging the USB cable.

15 Network connector

This RJ-45 connector allows the unit to be connected to a computer via an Ethernet cable (CAT5 or higher recommended).

You can control the unit from supported application software, such as DM7 Editor.

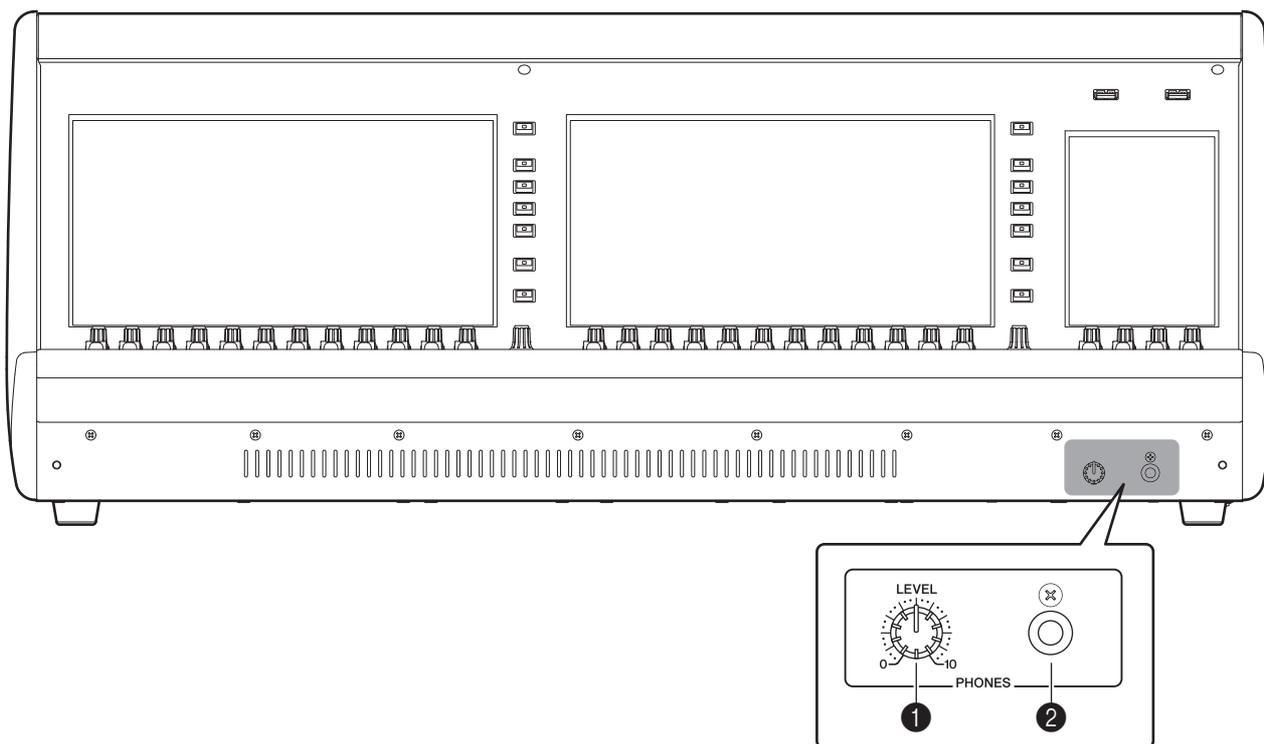
NOTE

Use STP (Shielded Twisted Pair) cable to prevent electromagnetic interference.

16 Grounding screw

Each supplied power cord features a three-prong plug. If the AC outlets are grounded, this product will be properly grounded through the power cords. Also, grounding this screw may effectively eliminate noise such as hum and interference.

Front Panel



1 [PHONES LEVEL]

Adjusts the level of the signal output from the PHONES output socket.

2 [PHONES]

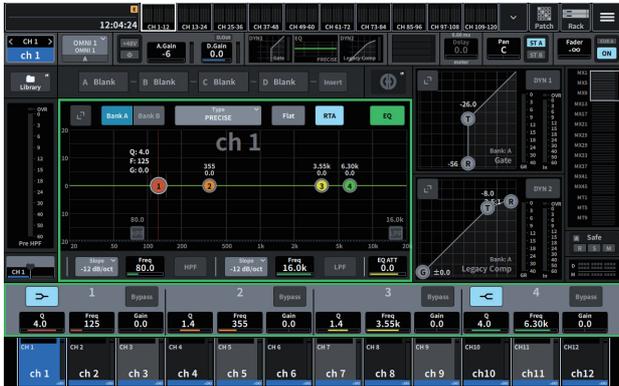
This is a headphone socket for monitoring the MONITOR or CUE signal.

Touch Screens

Viewing Touch Screens

Bay screens

These are touch screens for Bay C, and for Bay L (DM7 only). On these screens, you can display various interface screens using the menu bar to set parameters.



Utility screen

This is a touch screen for the Main section. On this screen, you can view the status of the unit, and recall other screens for monitoring or other operational purposes.



Basic Touch Screen Operations

Switching between screens

Tap  in the upper-right corner of the Bay screen to display the menu bar. Tap a desired button on the menu bar to switch to the corresponding screen.

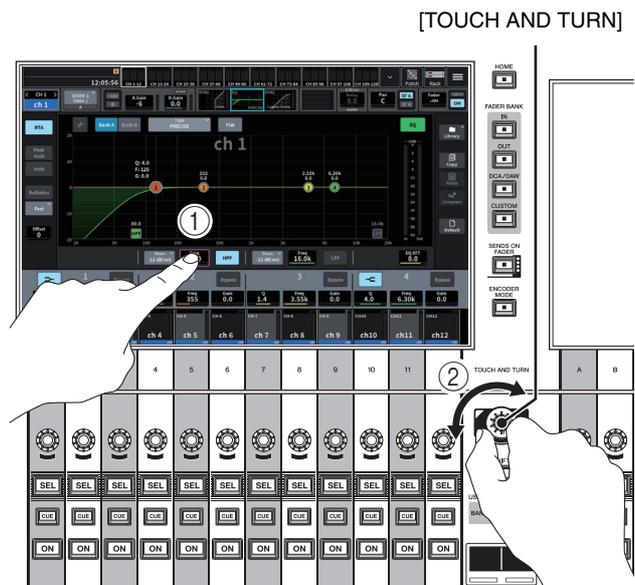
In the Utility screen, tap the desired button on the HOME screen to switch to the corresponding screen. Tap the HOME button to return to the HOME screen.

NOTE

The selected area marked by a pink frame on screen includes a parameter that can be controlled via the [TOUCH AND TURN].

Controlling the parameters using the [TOUCH AND TURN] (7 on page 11)

Tap the desired parameter to select it (1), and then use the [TOUCH AND TURN] to adjust the parameter (2). A pink frame appears around the selected parameter.



Scrolling

On screens that feature a scroll bar, slide your finger up and down or left and right to scroll the screen.

Swiping the screen allows you to scroll quickly.

You can also manipulate the screen as follows: For more information, refer to the DM7 series Reference Manual.

- **Pinching or spreading two fingers in and out**
You can use this technique to adjust Q for EQ.
- **Sliding three fingers up and down**
You can use this technique to adjust the amount of cut/boost of EQ gain for multiple bands simultaneously.
- **Sliding four fingers up and down / Pinching or spreading three fingers in and out**
You can use this technique to magnify or reduce the amount of EQ gain adjustment across multiple bands.

Installing Optional Cards

Installing a PY Card

Before you install a PY card, you must check the Yamaha Pro Audio global website to see whether the DM7 series supports your card.

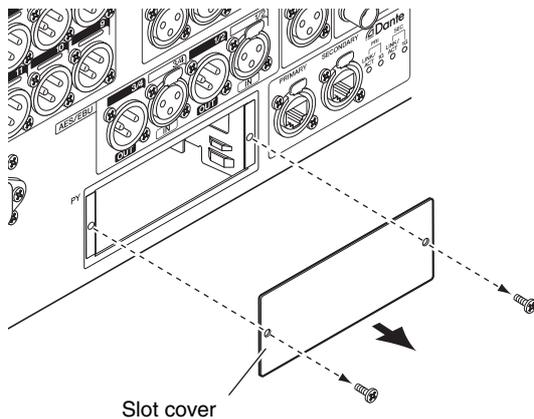
<https://www.yamahaproaudio.com/>

1. **Make sure that the power to this product is turned off.**

	CAUTION
Installing or removing a card while the power is on may lead to component failure or electric shock.	

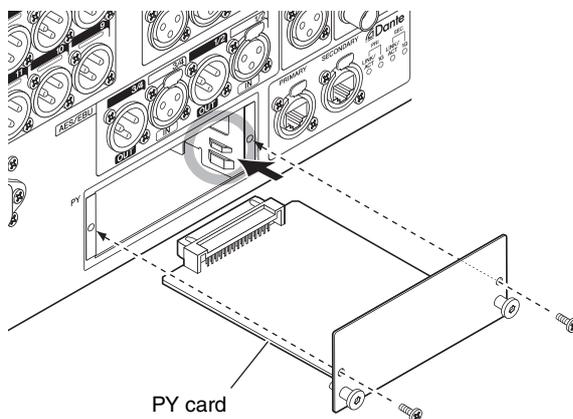
2. **Remove the screws that fasten the [PY] slot cover and remove the cover.**

The removed screws will be used again to install the PY card. Keep the cover in a safe place for future use.



3. **Align both edges of the PY card with the guide rails inside the slot, and then insert the PY card into the slot.**

Push the PY card all the way into the slot so that the connector at the end of the PY card is correctly inserted into the connector inside the slot.



NOTICE

When inserting the PY card, align both sides of the PY card with the guide rails in the slot of the host device.

4. **Affix the PY card using the screws that were removed in step 2.**

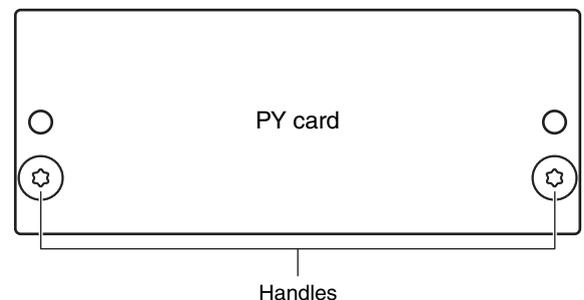
Do not use the card unless it is affixed by the screws securely. Be aware that component failure or malfunction may occur if the PY card is not fastened.

Removing the PY Card

1. **Make sure that the power to this product is turned off.**

	CAUTION
Installing or removing a card while the power is on may lead to component failure or electric shock.	

2. **Completely loosen and remove the screws that hold the PY card in place.**
3. **Pull the card toward you while holding the peg-shaped handles (see the figure below) on the PY card.**



4. **Replace the stored slot cover and affix it with the screws.**

Do not use the unit while the slot cover is removed. Component failure or malfunction may occur.

Setting the Internal Clock

This section explains how to set the date and time of the clock, and how to select a time zone, and a date and time display format.

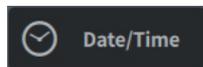
The date and time you specify here will affect the time stamp used for scenes or when you save or load files.

1. Tap the Setup button on the menu bar on the right side on the Bay screen.

If the menu bar is not displayed, tap  in the upper-right corner of the screen to display the menu bar.

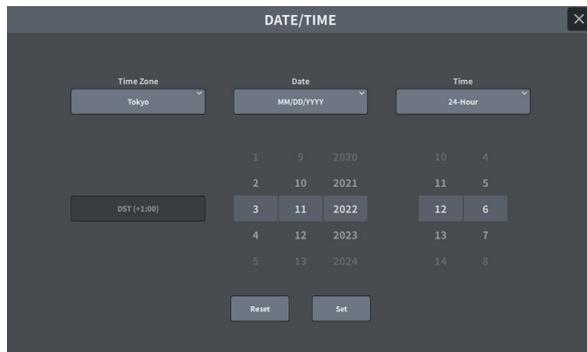


2. Tap the Date/Time button.



The DATE/TIME screen appears.

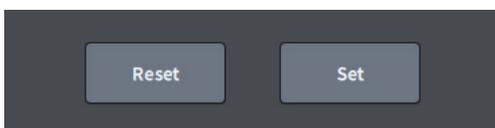
3. In the DATE/TIME screen, select a time zone, and a date and time display format.



You can choose from the following display formats. Flick numbers to set the date and time.

- **Date**
MM/DD/YYYY (Month/Day/Year)
DD/MM/YYYY (Day/Month/Year)
YYYY/MM/DD (Year/Month/Day)
- **Time**
24-Hour (Hours are indicated in the range of 0–23.)
12-Hour (Hours are indicated in the range of AM0–AM11 and PM0–PM11.)

4. When you finish making settings, tap the Set button. To revert to the previous date and time settings, tap the Reset button.



Restoring the Factory Settings (Initialization)

If an error occurs in the unit's internal memory, or if you forget the password and cannot operate the unit, you can use the following procedure to initialize the internal memory.

NOTICE

When you initialize the internal memory, all content that had been saved in memory will be erased. Use caution when performing the following steps.

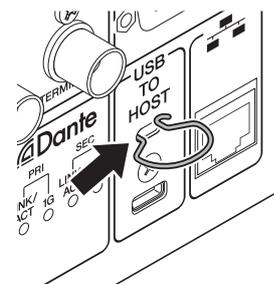
1. Press and hold down the [SEL] for channel D in the Main section while turning on the power to the unit.
2. Once the MAINTENANCE screen opens in the Utility screen, tap the Initialize All Memory button.

The system reverts to factory settings.

Installing the Cable Hook

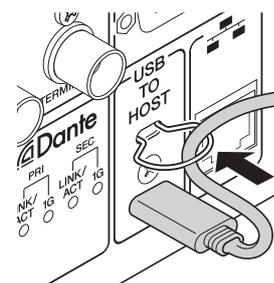
A cable hook is provided to prevent accidental disconnection of the USB cable. The hook can be installed by the following procedure.

1. Hook one end of the included cable hook onto one side of the security slot located above the [USB TO HOST] connector on the rear panel.



2. Insert the other end of the hook into the other side of the security slot.

3. Pass the USB cable through the hook and connect it to the USB connector.



Installing the Rack Mount Kit (DM7 COMPACT)

You can attach the separately-sold RK1 Rack Mount Kit to the DM7 COMPACT and mount the unit in a rack or in an installed system.

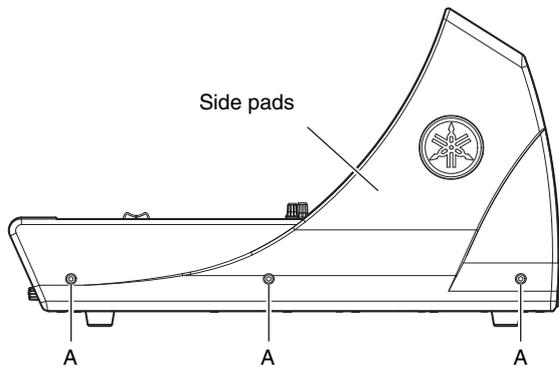
1. Make sure that the power is turned off.

 CAUTION
When attaching the RK1 Rack Mount Kit, you must turn off the power switches on the unit and use the screws that are included in the RK1 package. Otherwise, component failure or electric shock may occur.

2. Remove screws (A) on the side pads to detach the pads.

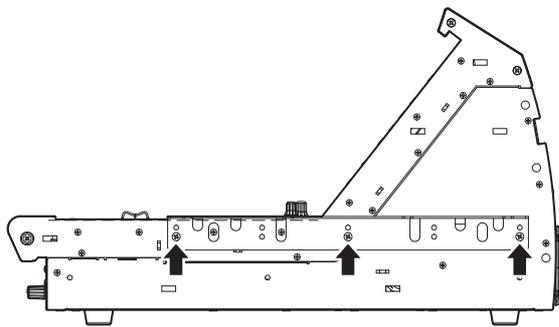
NOTE

Keep the side pad screws together with the pads you removed.



3. Use the screws included in the RK1 package to install the hardware.

Tighten the screws at three locations as indicated by the arrows in the illustration below.



4. Attach the hardware to the other side in the same way.

Precautions for rack mounting

Operation of this device is guaranteed within a temperature range of 0 to 40°C. If you mount this unit along with other equipment in an EIA standard rack, the heat from each device will raise the temperature inside the rack, which may prevent the unit from achieving full performance. When rack mounting the unit, always observe the following requirements to avoid heat buildup:

- Be sure to leave at least 14U space (excluding the space for cable connections) around the unit.
- When mounting the unit in a rack with devices such as power amplifiers that tend to generate a significant amount of heat, leave a sufficient space between this unit and other equipment. Also, ensure sufficient ventilation by installing a ventilation panel in these spaces, or simply leave the open spaces uncovered.
- To ensure sufficient airflow, leave the rear of the rack open and position it at least 10 cm from walls, ceilings or other surfaces. If the rear of the rack cannot be left open, install a commercially-available fan kit or similar forced system to secure 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. For more information, refer to the instruction manuals for the rack and fan kit.

Appendix

General Specifications

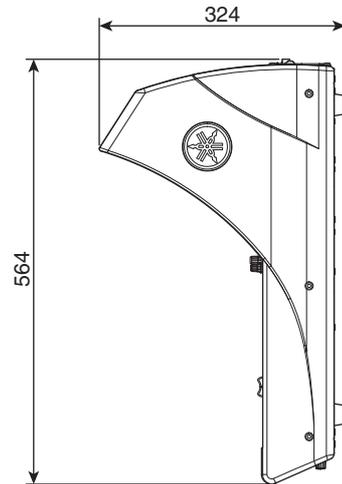
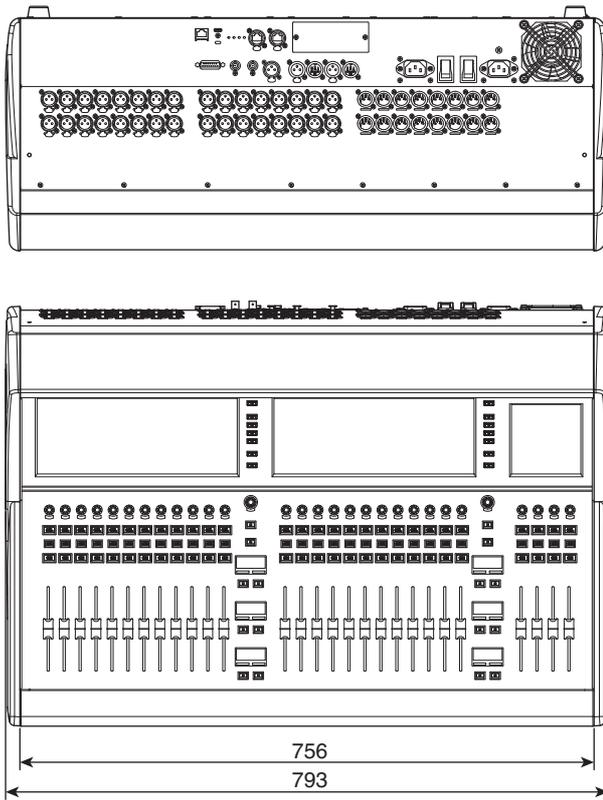
Mixing Capacity			DM7: 120 Inputs, 48 MIX + 12 MATRIX + 2 STEREO DM7 COMPACT: 72 Inputs, 48 MIX + 12 MATRIX + 2 STEREO
Sampling Frequency	External Clock	Frequency Range	48 kHz / 96 kHz \pm 200 ppm
	Internal Clock	Frequency	48 kHz / 96 kHz
Signal Delay			Less than 1.5 ms, INPUT to OMNI OUT @Fs=96 kHz
Screen			DM7: 12.1" multi-touch screen \times 2, 7" multi-touch screen \times 1 DM7 COMPACT: 12.1" multi-touch screen \times 1, 7" multi-touch screen \times 1
Fader			DM7: 100 mm touch-sensitive motorized fader \times 28 DM7 COMPACT: 100 mm touch-sensitive motorized fader \times 16
Power Requirements			100-240 V, 50/60 Hz
Power Consumption			240 W
Dimensions	W \times H \times D		DM7: 793 mm \times 324 mm \times 564 mm (including the rubber feet) DM7 COMPACT: 468 mm \times 324 mm \times 564 mm (including the rubber feet)
Weight			DM7: 23.5 kg DM7 COMPACT: 16.5 kg
NC Value *1	Fan Speed LOW		NC=20
	Fan Speed HIGH		NC=30
Operating Temperature Range			Min: 0°C, Max: 40°C
Storage Temperature Range			Min: -20°C, Max: 60°C
Accessories			Owner's Manual, AC power cord \times 2, Dust cover, Cable hook, Nuendo Live and VST Rack Elements Download Information leaflet
Optional Items			DM7: PY cards, DM7 CONTROL (CTL-DM7) DM7 COMPACT: PY cards, DM7 CONTROL (CTL-DM7), Rack Mount Kit RK1

*1. Measured 30 cm horizontally away and vertically up from the unit (front pad).

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.

Dimensions

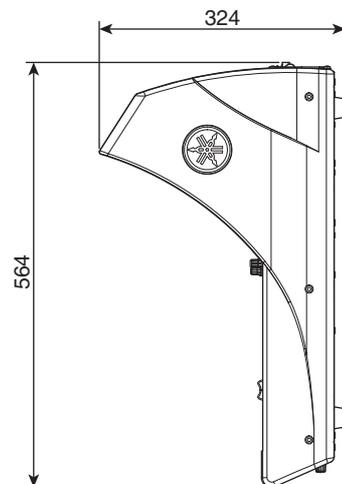
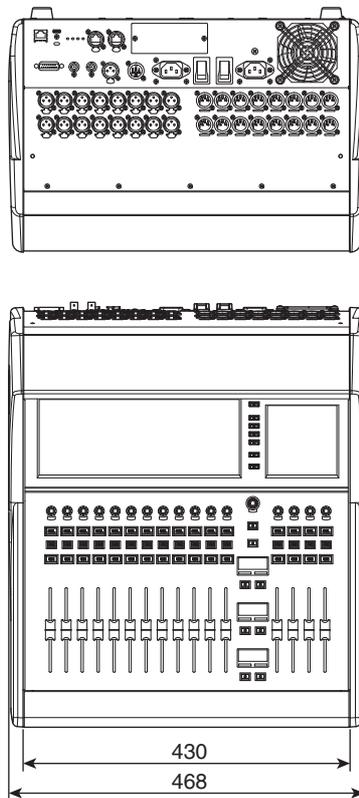
DM7



Approximate Munsell value of exterior color: N2.25

Unit: mm

DM7 COMPACT



Approximate Munsell value of exterior color: N2.25

Unit: mm

Source Code Distribution

For three years after the final factory shipment, you may request from Yamaha the source code for any portions of the product which are licensed under the GNU General Public License / GNU Lesser General Public License / RealNetworks Public Source License by writing to the following address:

10-1 Nakazawa-cho, Naka-ku, Hamamatsu, 430-8650, JAPAN
Marketing & Sales Department, Professional Audio Division, Audio Products Business Unit, Yamaha Corporation

The source code will be provided at no charge; however, we may require you to reimburse Yamaha for the cost of delivering the source code to you. The source code can be downloaded by visiting the following URL:

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ADDRESS LIST

NORTH AMERICA

CANADA

Yamaha Canada Music Ltd.
135 Milner Avenue, Toronto, Ontario,
M1S 3R1, Canada
Tel: +1-416-298-1311

U.S.A.

Yamaha Corporation of America
6600 Orangethorpe Avenue, Buena Park, CA
90620, U.S.A.
Tel: +1-714-522-9011

CENTRAL & SOUTH AMERICA

MEXICO

Yamaha de México, S.A. de C.V.
Av. Insurgentes Sur 1647 Piso 9, Col. San José
Insurgentes, Delegación Benito Juárez, CDMX,
C.P. 03900, México
Tel: +52-55-5804-0600

BRAZIL

Yamaha Musical do Brasil Ltda.
Praça Professor José Lannes, 40-Cjs 21 e 22,
Brooklin Paulista Novo CEP 04571-100 – São
Paulo – SP, Brazil
Tel: +55-11-3704-1377

ARGENTINA

**Yamaha Music Latin America, S.A.,
Sucursal Argentina**
Olga Cossettini 1553, Piso 4 Norte,
Madero Este-C1107CEK,
Buenos Aires, Argentina
Tel: +54-11-4119-7000

PANAMA AND OTHER LATIN AMERICAN/CARIBBEAN REGIONS

Yamaha Music Latin America, S.A.
Edif. Torre Banco General, Piso 7, Urbanización
Marbella, Calle 47 y Aquilino de la Guardia,
Ciudad de Panamá, República de Panamá
Tel: +507-269-5311

EUROPE

THE UNITED KINGDOM/IRELAND

Yamaha Music Europe GmbH (UK)
Sherbourne Drive, Tilbrook, Milton Keynes,
MK7 8BL, U.K.
Tel: +44-1908-366700

GERMANY

Yamaha Music Europe GmbH
Siemensstrasse 22-34, 25462 Rellingen, Germany
Tel: +49-4101-303-0

SWITZERLAND/LIECHTENSTEIN

**Yamaha Music Europe GmbH, Branch
Switzerland in Thalwil**
Seestrasse 18a, 8800 Thalwil, Switzerland
Tel: +41-44-3878080

AUSTRIA/BULGARIA/ CZECH REPUBLIC/HUNGARY/ ROMANIA/SLOVAKIA/SLOVENIA

**Yamaha Music Europe GmbH
Branch Austria**
Schleiergasse 20, 1100 Wien, Austria
Tel: +43-1-60203900

POLAND

**Yamaha Music Europe
Sp.z o.o. Oddział w Polsce**
ul. Młynarska 48, 01-171 Warszawa, Poland
Tel: +48-22-880-08-88

MALTA

Olimpus Music Ltd.
Valletta Road, Mosta MST9010, Malta
Tel: +356-2133-2093

NETHERLANDS/BELGIUM/LUXEMBOUR G

Yamaha Music Europe Branch Benelux
Wattbaan 1 3439ML Nieuwegein, The Netherlands
Tel: +31-347-358040

FRANCE

Yamaha Music Europe
7 rue Ambroise Croizat, Zone d'activités de Pariest,
77183 Croissy-Beaubourg, France
Tel: +33-1-6461-4000

ITALY

Yamaha Music Europe GmbH, Branch Italy
Via Tinelli N.67/69 20855 Gerno di Lesmo (MB),
Italy
Tel: +39-039-9065-1

SPAIN/PORTUGAL

**Yamaha Music Europe GmbH Ibérica, Sucursal
en España**
Ctra. de la Coruña km. 17,200, 28231
Las Rozas de Madrid, Spain
Tel: +34-91-639-88-88

GREECE

Philippos Nakas S.A. The Music House
19th klm. Leof. Lavriou 190 02 Peania – Attiki,
Greece
Tel: +30-210-6686168

SWEDEN/FINLAND/ICELAND

**Yamaha Music Europe GmbH Germany Filial
Scandinavia**
JA Wettergrensgata 1, 400 43 Göteborg, Sweden
Tel: +46-31-89-34-00

DENMARK

**Yamaha Music Denmark,
Filial of Yamaha Music Europe GmbH, Tyskland**
Generatorvej 8C, ST. TH. , 2860 Søborg, Denmark
Tel: +45-44-92-49-00

NORWAY

**Yamaha Music Europe GmbH Germany -
Norwegian Branch**
c/o Box 30053, 400 43 Göteborg, Sweden
Tel: +47-6716-7800

CYPRUS

Yamaha Music Europe GmbH
Siemensstrasse 22-34, 25462 Rellingen, Germany
Tel: +49-4101-303-0

RUSSIA

Yamaha Music (Russia) LLC.
Room 37, entrance 7, bld. 7, Kievskaya street,
Moscow, 121059, Russia
Tel: +7-495-626-5005

OTHER EUROPEAN REGIONS

Yamaha Music Europe GmbH
Siemensstrasse 22-34, 25462 Rellingen, Germany
Tel: +49-4101-3030

AFRICA

Yamaha Music Gulf FZE
JAFZA-16, Office 512, P.O.Box 17328,
Jebel Ali FZE, Dubai, UAE
Tel: +971-4-801-1500

MIDDLE EAST

TURKEY

Ertekin Elektronik tic. ve san. as
Kagithane Ofis Park Baglar Cad.
No: 14 D/6 Kagithane 34406
ISTANBUL / TÜRKIYE
Tel: +90-212-312-24-24

OTHER REGIONS

Yamaha Music Gulf FZE
JAFZA-16, Office 512, P.O.Box 17328,
Jebel Ali FZE, Dubai, UAE
Tel: +971-4-801-1500

ASIA

MAINLAND CHINA

Yamaha Music & Electronics (China) Co.,Ltd.
2F, Yunhedasha, 1818 Xinzha-lu, Jingan-qu,
Shanghai, China
Tel: +86-400-051-7700

INDIA

Yamaha Music India Private Limited
P-401, JMD Megapolis, Sector-48, Sohna Road,
Gurugram-122018, Haryana, India
Tel: +91-124-485-3300

INDONESIA

PT Yamaha Musik Indonesia Distributor
Yamaha Music Center Bldg. Jalan Jend. Gatot
Subroto Kav. 4, Jakarta 12930, Indonesia
Tel: +62-21-520-2577

KOREA

Yamaha Music Korea Ltd.
11F, Prudential Tower, 298, Gangnam-daero,
Gangnam-gu, Seoul, 06253, Korea
Tel: +82-2-3467-3300

MALAYSIA

Yamaha Music (Malaysia) Sdn. Bhd.
No.8, Jalan Perbandaran, Kelana Jaya, 47301
Petaling Jaya, Selangor, Malaysia
Tel: +60-3-78030900

SINGAPORE

Yamaha Music (Asia) Private Limited
Block 202 Hougang Street 21, #02-00,
Singapore 530202, Singapore
Tel: +65-6740-9200

TAIWAN

Yamaha Music & Electronics Taiwan Co.,Ltd.
2F., No.1, Yuandong Rd., Banqiao Dist.,
New Taipei City 22063, Taiwan
Tel: +886-2-7741-8888

THAILAND

Siam Music Yamaha Co., Ltd.
3, 4, 15, 16th Fl., Siam Motors Building,
891/1 Rama 1 Road, Wangmai,
Pathumwan, Bangkok 10330, Thailand
Tel: +66-2215-2622

VIETNAM

Yamaha Music Vietnam Company Limited
15th Floor, Nam A Bank Tower, 201-203 Cach
Mang Thang Tam St., Ward 4, Dist.3,
Ho Chi Minh City, Vietnam
Tel: +84-8-3818-1122

OTHER ASIAN REGIONS

<http://asia.yamaha.com/>

OCEANIA

AUSTRALIA

Yamaha Music Australia Pty. Ltd.
Level 1, 80 Market Street, South Melbourne,
VIC 3205, Australia
Tel: +61-3-9693-5111

REGIONS AND TRUST TERRITORIES IN PACIFIC OCEAN

<http://asia.yamaha.com/>

Head Office/Manufacturer: Yamaha Corporation 10-1, Nakazawa-cho, Naka-ku, Hamamatsu, 430-8650, Japan
Importer (European Union): Yamaha Music Europe GmbH Siemensstrasse 22-34, 25462 Rellingen, Germany
Importer (United Kingdom): Yamaha Music Europe GmbH (UK) Sherbourne Drive, Tilbrook, Milton Keynes, MK7 8BL, United Kingdom

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Yamaha Pro Audio global website
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