





POWER AMPLIFIER

PX10/PX8 PX5/PX3

Owner's Manual

Thank you for your purchase of the Yamaha PX10, PX8, PX5 or PX3 power amplifier. Please read through this manual carefully before using for the first time, in order to take full advantage of your PX power amplifier's superlative features and enjoy trouble-free operation for years to come. After you have read the manual, keep it in a safe, convenient place for reference when needed.

- Please read the PRECAUTIONS on the reverse side of this manual before use.
- The illustrations as shown in this manual are for instructional purposes only.
- · The company names and product names used in this manual are the trademarks or registered trademarks of their respective companies.
- In this manual, the PX10, PX8, PX5 and PX3 power amplifier models are referred to collectively as "PX amplifier."
- Unless specified otherwise, the example illustrations used in this manual are taken from the PX10.
- The PX amplifier provides two setting methods: Basic mode and Advanced mode. This manual explains operations in the Basic mode. Operate in the Advanced mode for detailed settings. For information on the Advanced mode, refer to the PX10/PX8/ PX5/PX3 Reference Manual.

The PX10/PX8/ PX5/PX3 Reference Manual is an electronic file in PDF format. You can read this book on a computer. Use Adobe® Reader® to read this book on screen, search for words very quickly, print specific pages, or click links to display sections of special interest. The ability to search for words, or to follow links directly to relevant sections in the document, are helpful attributes of this electronic file format. We encourage you to take advantage of these benefits. You can download the latest Adobe Reader application from the website listed below. http://www.adobe.com/

Features —

- Maximum output of 1,000W out of lightweight chassis (PX10)
- · Yamaha's proprietary Class-D and processing technologies provide superb sound quality and high reliability
- Speaker presets that allow you to get the best possible performance from Yamaha speakers
- A wide variety of DSP functions, including D-CONTOUR processing
- CONFIG WIZARD that provides the optimal configuration for any speaker
- Broad range of input/output connectors

Included accessories

- AC power cord
- Owner's Manual (this leaflet)
- Technical Specifications (English)
- AC plug clamp
- USB cap

A CAUTION

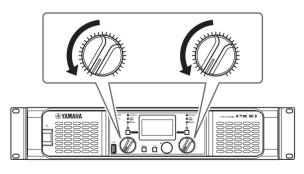
Please keep the USB cap out of reach of children, to keep them from accidentally swallowing it.

The PX amplifier can be used as a normal amplifier by simply setting the volume knobs properly. The following settings enhance the performance of speakers.

Setup

Pre-installation

Mount PX amplifiers in a rack as required. Make sure that the power is turned off, and turn both the two volume knobs all the way to the left.



In this manual, methods of operations are explained with the following marks.



ig(ig) - [(item name)]: Rotate the main knob to select [(item name)].



: Press the [MENU] key.

(: Press the Main knob.

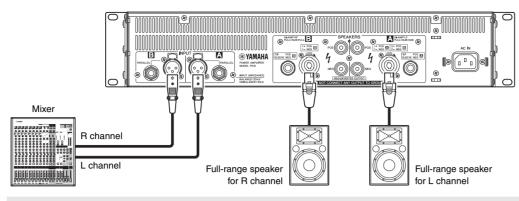


: Press the [←] (back) key.

A - B : Operate A, and then operate B.

A solid arrow (1) between steps indicates a basic operation procedure, and a dotted arrow (1) indicates an operation returning to the previous screen.

Stereo connection (using two full-range speakers)

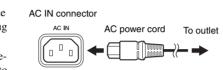


⚠ CAUTION

Please carry out "Pre-installation" surely. Do not connect any cables while the power is on.

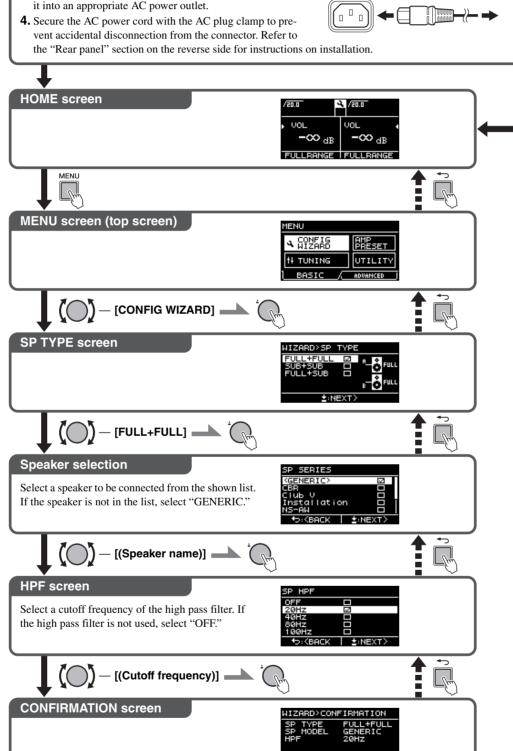
NOTE

- **1.** Connect the full-range speaker for L channel to the [SPEAKERS] A terminal and the full-range speaker for R channel to the [SPEAKERS] B terminal.
- **2.** Connect the output from sources (such as a mixer) to the [INPUT] A/B connectors. Connect the L channel source to the [INPUT] A connector, and the R channel source to the [INPUT] B connector.
- **3.** Connect the AC power cord and turn on. First connect the AC power cord to the connector on the unit, and then plug it into an appropriate AC power outlet.



Refer to the "Wiring" section on the reverse

side for instructions on making connections.

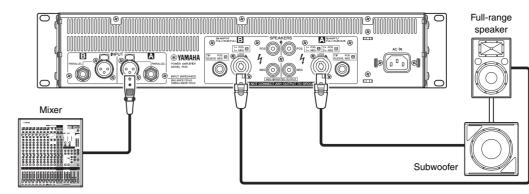


(Applies the set value)

+5:<BACK ±:APPLY

Go on to the "Tone control" instructions.

Cross-over connection (using a full-range speaker and a subwoofer)



⚠ CAUTION

Please carry out "Pre-installation" surely. Do not connect any cables while the power is on.

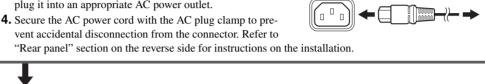
NOTE

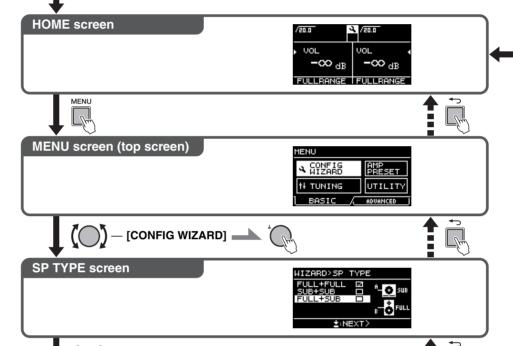
AC IN connector

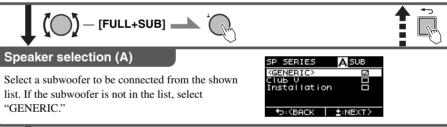
Refer to "Wiring" section on the reverse side

for instructions on making connections.

- **1.** Connect the subwoofer to the [SPEAKERS] A terminal and the full-range speaker to the [SPEAKERS] B ter-
- 2. Connect the output from source (such as mixer) to the [INPUT] A connector. **3.** Connect the AC power cord and turn on. First connect
- the AC power cord to the connector on the unit, and then plug it into an appropriate AC power outlet.

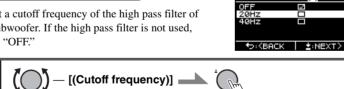






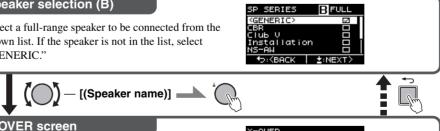
— [(Speaker name)] HPF screen

Select a cutoff frequency of the high pass filter of the subwoofer. If the high pass filter is not used,



Speaker selection (B)

Select a full-range speaker to be connected from the shown list. If the speaker is not in the list, select "GENERIC."

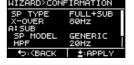


X-OVER screen Select a crossover frequency

(Applies the set value)



— [(Crossover frequency)] CONFIRMATION screen









Input signal from the source, confirm that the sound is being output from the speakers, and adjust the volume appropriately.





















Select one of the following three modes.

• OFF: Turns off D-CONTOUR.

MENU screen (top screen)

- FOH/MAIN: Boosts the high and low frequency components so that the frequency response is suitable for main
- · MONITOR: Reduces the low frequency range, which could otherwise tend to be boomy if the speaker is set directly on the floor. This enables you to hear mid and high frequency ranges clearly when using as a floor monitor.









DEPTH Selection screen Set over a range from 1 to 10.

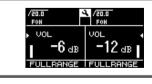
The larger the value, the deeper the effect.



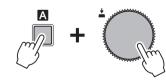








- To mute channel A, push the [A] key and the main knob simultaneously. To cancel muting, push the [A] key and the main knob simultaneously again.
- To mute channel B, push the [B] key and the main knob simultaneously. To cancel muting, push the [B] key and the main knob simultaneously again.



Front panel

Power button

Turns the power to the unit on or off

[POWER] indicator

Turns on when the power is on **❸** [ALERT] indicator

Lights when a problem in the device is detected.

Lights until the cause of the problem is solved.

Details of the problem are shown on the display (3). Selecting the discon on the HOME screen with the main knob calls up the operating log.

ī icon



⚠ [USB] indicator

Lights when a compatible USB memory device is inserted into the [USB] terminal. Flashes when the USB device is being accessed.

Do not unplug the USB device while the [USB] indicator is flashing. Data in the USB memory may be corrupted or lost.

6 [CLIP/LIMIT] indicators

Lights when the limiter is operating to protect the amplifier and the speaker, or the input signal overflows in the digital circuit or clips at the amplifier out-

6 [SIGNAL] indicators

Lights when the output is larger than -60 dB of maximum output level (8 ohms)

7 [PROTECT] indicators

Lights when the protection circuit is operating

http://www.yamahaproaudio.com/

circuit.

sensitivity.

checked in the HOME screen

Cables are not connected appropriately

evel has declined with the volume

appears in the HOME screen.

The panel lock is turned on.

Refer also to the section "Troubleshooting" in the PX10/PX8/PX5/PX3 Reference Manual.

Symptom

[PROTECT] indicator lights

and an "OUTPUT CUR

RENT OVER" message

appears on the display

[PROTECT] indicator

lights and a "AMP TEMP

TOO HIGH" message

appears on the display.

[CLIP/LIMIT] indicator

Power does not turn on

Sound from speakers is

The sound is muffled. No

No sound from speakers.

The panel controls cannot

be operated.

high-frequency sound.

distorted.

lights.

Oisplay

Displays condition of the PX amplifier and setting

9 [MENU] key

Press the key to move to the top MENU screen.

[♣] (Back) key

Press this key to move up to the immediately higher menu level or previous display. Press and briefly hold the key to return the HOME screen.

(II) Main knob

Rotate the knob to change the values of parameters and move the position of cursor. Press the knob to actually enter the set value or enable the selected item

(A]/[B] keys

Press the key to switch the channel (A or B) for operating the corresponding parameters.

NOTE

Press the main knob and [A] key to change the mute status of channel A. Press the main knob and [B] key to change the mute status of channel B.

(B) [USB] terminal Insert a USB memory device to read/load the data from/to the PX amplifier.

NOTICE

When the terminal is not used, attach the supplied USB cap to protect the terminal

1 Volume knob

here is a short at the speaker terminal, ampli-

Since the impedance of the connected speaker | Check that the speaker has not been damaged

er terminal or wire, and the circuit is protected. I minal or amplifier, wire, etc., and turn on again.

s too low and the amplifier is overloaded, circuit and that total impedance is not excessively

thermal protection is engaged to protect the cir- I flow around the amplifier. Leave the amplifier

The sound is filtered. The filter condition can be | Change the setting of the filters in the MENU

Adjust the level from -∞ dB to 0 dB (1) Intake ports

Air intakes for the cooling fan. Make sure to not block the air intakes.

NOTE

Troubleshooting

The Yamaha Pro Audio website provides a FAQ (a list of frequently asked questions, with answers).

Possible causes

ecause the internal temperature is too high,

Because the input signal is excessive or the

output exceeds the rated voltage, the signal is

clipped or the limiter is engaged to protect the

he power supply voltage of the connected out-

let is significantly different from the rated range.

Because the internal temperature is too high,

The input level exceeds the setting of the input

he mute is on. When the mute is on, "MUTE"

The protection circuit is engaged and the output

engaged, the [PROTECTION] indicator lights.

s muted. When the protection circuit is

ermal protection is engaged to protect the cir-

• The settings can be changed so that the display and indicators turn off automatically when panel is not operated (Black-out mode), Refer to PX10/PX8/PX5/ PX3 Reference Manual for instructions on the Black-

· For the protection of the display, even if the Black-out mode is not active, the display automatically turns off if the PX amplifier has not been operated for 20 minutes. To turn on the display again, simply press any key on the front panel or rotate the main knob.

Possible solution

low, and review the speaker connection

Check the amplifier ventilation conditions and

take appropriate measures to improve the air-

flow around the amplifier. Leave the amplifier

off until the internal temperature goes down,

Lower the output level of the device connected

to the input connector, or lower the volume of

Check the amplifier ventilation conditions and

take appropriate measures to improve the air-

off until the internal temperature goes down.

Adjust the input sensitivity to match the input

Connect input connectors and output connec-

tors properly. Refer to the "Setup" section on

Identify what is causing the protection circuit to

Turn off the panel lock. Refer to PX10/PX8/

PX5/PX3 Reference Manual for instructions on

the front side for connection instructions.

and then turn on again.

Check the source voltage.

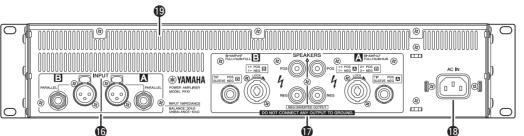
and then turn on again.

screen (TUNING screen).

Turn off the mute

engage and solve it

turning off the panel lock.



 XLR input jack Phones input jacl

as an input jack at one time; the signals from the jacks cannot be mixed.

• Neutrik NL4MD SpeakON output connector

Phones output jack

of cords connected to the terminal.

NOTICE

- If connecting speakers to multiple connectors of a same channel results in a parallel connection. make sure that the total impedance of the speakers to be connected is not excessively low.
- The PX amplifier adopts BTL (Balanced Transformer Less) amplifier circuits. Connecting both terminals of channels A and B and contact between the terminal and the chassis may cause a failure or malfunction. Be careful to not connect or contact the two by mistake.

■ Wiring

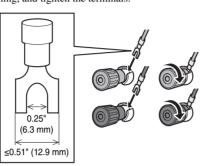
Binding post connector

Remove about 15 mm of insulation from the end of each speaker cable, pass the bare wire through the holes in the appropriate speaker terminals, and tighten the terminals to securely clamp

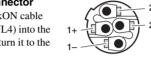


the wires. Make sure that the bare wire ends do not jut

From above, insert the Y-plugs all the way into the opening, and tighten the terminals.



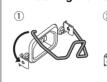
SpeakON connector Insert the SpeakON cable plug (Neutrik NL4) into the

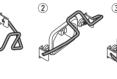


Neutrik NL4	PX amplifier	Neutrik NL4	PX amplifier
1+	A+	1+	B+
1–	A-	1-	B-
2+	B+	2+	(not connected)
2-	В–	2-	(not connected)

(B) AC IN connector

Connect the supplied AC power cord. First connect the AC power cord to the connector on the amplifier, and then plug it into an appropriate AC power outlet. Secure the AC power cord with the AC plug clamp to prevent accidental disconnection from the connector.





(E) Exhaust ports

out from the terminals and touch the chassis

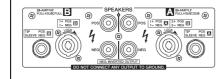
Exhaust vents for the cooling fan. Make sure to not block the exhaust vents.

Main Specifications

		PX10	PX8	PX5	PX3
Output Power		120 V	60 Hz, 220 V	-240 V 50 Hz	/60 Hz
1 kHz, non-clip,	8Ω	1000 W × 2	800 W × 2	500 W × 2	300 W × 2
20 msec burst,	4Ω	1200 W × 2	1050 W × 2	800 W × 2	500 W × 2
both channels driven	2Ω	700 W × 2	600 W × 2	500 W × 2	300 W × 2
1 kHz, non-clip,	8Ω/Power Boost mode	_	_	800 W × 1	600 W × 1
20 msec burst	4Ω/Power Boost mode	_	_	1400 W × 1	1000 W × 1
Output Power			100 V 50	Hz/60 Hz	
1 kHz, non-clip,	8Ω	1000 W × 2	800 W × 2	500 W × 2	300 W × 2
20 msec burst,	4Ω	1200 W × 2	1050 W × 2	800 W × 2	500 W × 2
both channels driven	2Ω	700 W × 2	600 W × 2	500 W × 2	300 W × 2
1 kHz, non-clip,	8Ω/Power Boost mode	_	_	800 W × 1	600 W × 1
20 msec burst	4Ω/Power Boost mode	_	_	1200 W × 1	1000 W × 1
Amplifier Type (Outpu	ut Circuitry)	Class	D, balanced	output circuit	(BTL)
THD+N	1 kHz, 10 W		0.	1%	
I ND+N	1 kHz, half power		0.0	3%	
Frequency Response	1 W, 8Ω , 20 Hz to 20 kHz		±1.0) dB	
Crosstalk	Half power, 8Ω , 1 kHz, vol. max., input 150Ω shunt		≦ -6	0 dB	
S/N Ratio	A-weighted, 8Ω , gain setting = +14 dBu	101 dB	101 dB	100 dB	100 dB
Maximum Input Volta	ge		+24	dBu	
nput Impedance		20 kΩ	(Balanced),	10 kΩ (Unbal	anced)
AC Power Requireme	nt	10	pending on a 0 V 50 Hz/60 220 V-240 V 5	Hz, 120 V 60H	Ηz,
Power	1/8 MAX power, 4Ω, pink noise at all channels	310 W	280 W	230 W	160 W
Consumption	Idle, 4Ω	60 W	60 W	55 W	55 W
Operating Temperatu	re		0°C to	+40°C	-
Storage Temperature			-20°C to	o +60°C	
Dimensions (W × H ×	D)		480 × 88 (18.90 × 3.46	× 388 mm × 15.28 inch)
Net Weight		7.4 kg (16.31 lbs)	7.2 kg (15.87 lbs)	6.9 kg (15.21 lbs)	6.9 kg (15.21 lbs)

*1 Device operation has been confirmed within +/- 10% of the rated power supply voltage

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



This 4 mark indicates a dangerous electrically live terminal. When connecting an external wire to this terminal, it is necessary either to have "a person who have received appropriate guidance on handling" make the connection or to use leads or a cord that have been manufactured and the connection or to use leads or a cord that have been manufactured and the connection or to use leads or a cord that have been manufactured and the connection or to use leads or a cord that have been manufactured and the connection or to use leads or a cord that have been manufactured and the connection or to use leads or a cord that have been manufactured and the connection or to use leads or a cord that have been manufactured and the connection or to use leads or a cord that have been manufactured and the connection or to use leads or a cord that have been manufactured and the connection of the connection o tured in such a way that the connection can be made simply and with-

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
- Use only the supplied power cord/plug.
- 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. 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. Then have the device inspected by qualified Yamaha service personne
- Do not use speakers for a long period of time at a high or permanent hearing loss. If you experience any hearing loss or ringing in the ears, consult a physician
- · When turning on the AC power in your audio system, always turn on the device LAST, to avoid hearing loss and speaker damage. When turning the power off, the device should be turned off FIRST for the same reason.

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

If you notice any abnormality

- off the power switch and disconnect the electric plug from
- The power cord or plug becomes frayed or damaged. Unusual smells or smoke are emitted.
- Then have the device inspected or repaired by qualified
- electric plug from the outlet, and have the device inspected by qualified Yamaha service personnel

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:

• 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.

Location

- might accidentally fall over and cause injuries.
- at the front/rear to prevent the internal temperature from on its side or upside down. Inadequate ventilation can result in overheating, possibly causing damage to the device(s), or even fire
- · When installing the device: - Do not cover it with any cloth
- Do not install it on a carpet or rug.
- sides or upside down - Do not use the device in a confined, poorly-ventilated

- 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.
- Keep the device out of reach of children, to keep them from putting their fingers into openings on the equipment and accidentally being injured.
- Before moving the device, remove all connected cables If the device is mounted in an EIA standard rack, carefully read the section "Rack Mounting" in the PX10/PX8/PX5/ PX3 Reference Manual. Inadequate ventilation can result in overheating, possibly causing damage to the device(s), malfunction, or even fire.

- Before connecting the device to other devices, turn off the power for all devices. Also, 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 electric
- speaker jacks. Use of other types of cables may result in

Handling caution

- plastic, metal, etc.) into any gaps or openings on the
- Do not rest your weight on the device or place heavy objects on it, and avoid use excessive force on the

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

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uct, damage to data, or damage to other property, follow the notices below

■ Handling and maintenance

- erwise, 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 disfiguration, unstable operation, or damage to the internal components.
- device, since this might discolor the panel.
- from the front and exhaust it through the rear. Please be sure that you do not block the air intakes or exhaust vents not use paint thinners, solvents, cleaning fluids, or chemi-
- 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 con densation is present can cause damage. If there is reason
- until the condensation has completely dried out. • Do not use this device for any purpose other than driving
- loudspeakers. • Always turn the power off when the device is not in use. • Rapidly turning the unit on and off in succession can cause it to malfunction. After turning the unit off, wait for

standard): pin 1: ground, pin 2: hot (+), and pin 3: cold (-).

- are for instructional purposes only. • The company names and product names in this manual
- The Yamaha Pro Audio website provides a FAQ (a list of frequently asked questions, with answers).
- European models Purchaser/User Information specified in EN55103-2:2009

Conforms to Environments: E1, E2, E3 and E4

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- DENMARK Yamaha Music Denmark Fillial of Yamaha Music Europe GmbH, Tvskland

Generatorvej 8C, ST. TH., 2860 Søborg, Tel: +45-44-92-49-00 NORWAY Yamaha Music Europe GmbH

IMPORTANT NOTICE FOR THE UNITED KINGDOM

Connecting the Plug and Cord

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying

The wire which is coloured GREEN-and-YELLOW must be connected to the terminal in the plug which is marked by the

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

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

Information for Users on Collection and Disposal of Old Equipment

points, in accordance with your national legislation and the Directives 2002/96/EC.

pality, your waste disposal service or the point of sale where you purchased the items.

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

This symbol is only valid in the European Union. If you wish to discard these items, please contact your local authorities or

/alletta Road, Mosta MST9010, Malta

Yamaha Music Europe Branch Benelux

7 rue Ambroise Croizat, Zone d'activités de Pariest, 77183 Croissy-Beaubourg,

Yamaha Music Europe GmbH, Branch

Viale Italia 88, 20020, Lainate (Milano),

Yamaha Music Europe GmbH Ibérica,

Sucursal en España Ctra. de la Coruna km. 17,200, 28231

NETHERLANDS/BELGIUM

Clarissenhof 5b, 4133 AB Vianen,

and electronic products should not be mixed with general household waste.

NEUTRAL

LIVE

This symbol on the products, packaging, and/or accompanying documents means that used electrical

For proper treatment, recovery and recycling of old products, please take them to applicable collection

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

For more information about collection and recycling of old products, please contact your local munici-

(weee_eu_en_01)

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(Distributor)

KOREA

Indonesia Tel: +62-21-520-2577

135-880, Korea Tel: +82-2-3467-3300

MALAYSIA

SINGAPORE

TAIWAN

Co.,Ltd.

THAILAND

VIETNAM

Limited

Yamaha Music Korea Ltd.

Yamaha Music Gulf FZE

Jebel Ali FZE, Dubai, UAE

JAFZA-16, Office 512, P.O.Box 17328,

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Yamaha Music & Electronics (China)

Yamaha Music India Private Limited

Road, Gurgaon-122002, Haryana, India Tel: +91-124-485-3300

Yamaha Music Center Bldg. Jalan Jend.

8F, Dongsung Bldg. 21, Teheran-ro 87-gil, Gangnam-gu, Seoul,

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Yamaha Music (Asia) Private Limited

Block 202 Hougang Street 21, #02-00, Singapore 530202, Singapore Tel: +65-6740-9200

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2F., No.1, Yuandong Rd. Banqiao Dist.

New Taipei City 22063, Taiwan, R.O.C. Tel: +886-2-7741-8888

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Yamaha Music Vietnam Company

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Sales & Marketing Division

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Tel: +84-8-3818-1122

Japan 430-8650

AUSTRALIA

Tel: +81-53-460-2312

Level 1, 99 Queensbridge

15th Floor, Nam A Bank Tower, 201-203

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Petaling Jaya, Selangor, Malaysia Tel: +60-3-78030900

Gatot Subroto Kav. 4, Jakarta 12930

Spazedge Building, Ground Floor, Tower A, Sector-47, Gurgaon- Sohna

PT. Yamaha Musik Indonesia

THE PEOPLE'S REPUBLIC OF

2F, Yunhedasha, 1818 Xinzha-lu,

Jingan-qu, Shanghai, China Tel: +86-400-051-7700

GREEN-AND-YELLOW

BLUE

the terminals in your plug proceed as follows:

[For business users in the European Union]

dealer and ask for the correct method of disposal.

ADDRESS LIST

M1S 3R1, Canada

Tel: +1-416-298-1311

Tel: +1-714-522-9011

CANADA

U.S.A.

MEXICO

BRAZIL

NORTH AMERICA

135 Milner Avenue, Toronto, Ontario,

Yamaha Corporation of America

Yamaha de México, S.A. de C.V.

Juárez, México, D.F., C.P. 03900 Tel: +52-55-5804-0600

Yamaha Musical do Brasil Ltda.

6600 Orangethorpe Avenue, Buena Park, CA 90620, U.S.A.

CENTRAL & SOUTH AMERICA

Av. Insurgentes Sur 1647 Piso 9, Col. San José Insurgentes, Delegación Benito

Yamaha Canada Music Ltd.

BROWN

letter E or by the safety earth symbol $\ \ \bigoplus \ \$ or colored GREEN or GREEN-and-YELLOW.

inappropriate waste handling.

[Information on Disposal in other Countries outside the European Union]

MALTA

Olimpus Music Ltd.

Tel: +356-2133-2093

LUXEMBOURG

he Netherlands

FRANCE

ITALY

Tel: +31-347-358040

Yamaha Music Europe

Tel: +33-1-6461-4000

Tel: +39-02-93577-1

SPAIN/PORTUGAL

Germany orwegian Branch Grini Næringspark 1, 1332 Østerås. Tel: +47-6716-7800 RUSSIA

Yamaha Music (Russia) LLC. Room 37, entrance 7, bld. 7, Kievskaya street, Moscow, 121059, Russia Tel: +7-495-626-5005 OTHER EUROPEAN COUNTRIES Yamaha Music Europe GmbH Siemensstrasse 22-34, 25462 Rellingen

Tel: +49-4101-3030 Yamaha Music Gulf FZE JAFZA-16, Office 512, P.O.Box 17328. Jebel Ali FZE, Dubai, UAE

MIDDLE EAST Yamaha Music Europe GmbH Merkezi Almanya Türkiye İstanbul

Maslak Meydan Sodak, Spring Giz Plaza Bagimsiz Böl, No:3, Sariver Istanbul, Tel: +90-212-999-8010

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Yamaha Corporation Sales & Marketing Division 10-1, Nakazawa-cho, Naka-ku

Yamaha Music Australia Pty. Ltd.

HEAD OFFICE Yamaha Corporation, Audio Products Sales and Marketing Division 10-1, Nakazawa-cho, Naka-ku, Hamamatsu, Japan 430-8650

Yamaha Pro Audio global website http://www.yamahaproaudio.com/ Yamaha Downloads

POLAND/LITHUANIA/LATVIA/

Wrotkowa 14, 02-553 Warsaw, Poland

Yamaha Music Europe GmbH

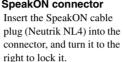
Sp.z o.o. Oddział w Polsce

Tel: +48-22-880-08-88

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Printed in China

Output terminals to speakers. The following three types are available:



nnel	A	Channel B		
ıtrik L4	PX amplifier	Neutrik NL4	PX amplifier	
+	A+	1+	B+	
_	A-	1–	B-	
+	B+	2+	(not connected)	



- If any of the following problems occur, immediately turn
- Some object has been dropped into the device. There is a sudden loss of sound during use of the
- Yamaha service personnel. If this device should be dropped or damaged, immediately turn off the power switch, disconnect the

Always follow the basic precautions listed below

Power supply/power cord

- Do not place the device in an unstable position where it
- Do not block the vents. This device has ventilation holes becoming too high. In particular, do not place the device
- Make sure the top surface faces up; do not install on its
- causing damage to the device(s), or even fire. Make sure that there is adequate space around the device: at least 40 cm above, 10 cm at the sides and 10 cm behind.

- Do not insert your fingers or hands in any gaps or
- Avoid inserting or dropping foreign objects (paper, device (vents). If this happens, immediately turn off the power unplug the power cord from the AC outlet, and have the device inspected by qualified Yamaha service
- buttons, switches or connectors to prevent injuries.

- Rua Fidêncio Ramos, 302 Cj 52 e 54 Torre B Vila Olímpia CEP 04551-010 -São Paulo/SP, Brazil Tel: +55-11-3704-1377 • Do not place vinyl, plastic or rubber objects on the ARGENTINA
 - Yamaha Music Latin America, S.A., Sucursal Argentina Olga Cossettini 1553, Piso 4 Norte, Madero Este-C1107CEK.
 - Tel: +54-11-4119-7000 VENEZUELA Yamaha Musical de Venezuela, C.A. AV. Manzanares, C.C. Manzanares Plaza, Piso 4, Oficina 0401, Baruta, Caracas, Venezuela Tel: +58-212-943-1877
 - PANAMA AND OTHER LATIN AMERICAN COUNTRIES/ CARIBBEAN COUNTRIES Yamaha Music Latin America, S.A. Edif. Torre Banco General, Piso

Aquilino de la Guardia, Ciudad de Panamá, República de Panamá Tel: +507-269-5311 **EUROP**

Urbanización Marbella, Calle 47 v

IRELAND Yamaha Music Europe GmbH (UK) MK7 8BL, U.K.

THE UNITED KINGDOM/

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Tel: +971-4-801-1500

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Hamamatsu, Japan 430-8650 Tel: +81-53-460-2312

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* If any specific problem should persist, please contact your Yamaha dealer.

Rear panel

(6) [INPUT] A/B connectors

The following two type input connectors are provided for both channels A and B.

Each XLR input jack and phones input jack are connected in parallel. Only one of the jacks can be used

(F) [SPEAKERS] A/B terminals

- Binding post output connector
- **⚠** CAUTION Do not touch the terminals or metal parts

No pluas



15 mm



Fire warning

- device Cracks or other visible damage appear on the device.

 $/!\setminus$ CAUTION

location. Inadequate ventilation can result in overheating, possibly

NOTICE To avoid the possibility of malfunction/ damage to the prod-

- Do not use the device in the vicinity of a TV, radio, AV equipment mobile phone or other electric devices. Oth-
- The amplifier uses forced-air cooling fans that draw air in • When cleaning the device, use a dry and soft cloth. Do

■ Connectors • XLR-type connectors are wired as follows (IEC60268

- Use only Neutrik NL4FC plugs for connecting Speakon Information
- vided by and are the property of Ricoh Co., Ltd. ■ About this manual The illustrations and LCD screens as shown in this manual
- http://www.yamahaproaudio.com/

In Finland: Laite on liitettävä suojamaadoituskoskettimilla

Norway: Apparatet må tilkoples jordet stikkontakt

varustettuun pistorasiaa

PA42

n Sweden: Apparaten skall anslutas till jordat uttag. http://download.yamaha.com/

WARNING: THIS APPARATUS MUST BE EARTHED IMPORTANT. The wires in this mains lead are coloured in accordance with the following code

- shock, hearing loss, or equipment damage • Use only speaker cables for connecting speakers to the

Maintenance • Remove the power plug from the AC outlet when cleaning

- openings on the device (vents)

- cal-impregnated wiping cloths.
- to believe that condensation might have occurred, leave the device for several hours without turning on the power

more than five seconds before turning it on again.

- About functions/data bundled with the device • The bitmap fonts used in this instrument have been pro-
- respective companies. Software may be revised and updated without prior