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You can read the recommendations in the user guide, the technical guide or the installation guide for YAMAHA STAGEPAS 400I. You'll find the answers to all your questions on the YAMAHA STAGEPAS 400I in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

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**PORTABLE PA SYSTEM
STAGEPAS 400i
Owner's Manual**

Introduction

Thank you and congratulations on your purchase of the Yamaha STAGEPAS 400i Portable PA System. The STAGEPAS 400i is an all-in-one PA system, consisting of two speakers and a powered mixer. It is designed to give the best sound of powered STAGEPAS 400i and to assist various functions. We suggest you read this manual thoroughly. Also keep this in safe place for future reference.

Main Features

- 30-watt compact speaker for virtually any size variety of performance application.
- 2-in-1 design: both mixer, 2-in-1 design: high quality, powerful sound.
- 5 channel mixer features four microphone and instrument inputs, support a wide range of inputs.
- Features a high quality 80W tweeter, providing extra clarity for instruments or vocals.
- Features 3 frequency sliders to provide powerful feedback tones.
- USB connector for convenient digital connection to an iPad/iPhone, and audio streaming of music files.

Quick Start Guide

Connecting the speakers and the mixer

- Slide the mixer's top in the direction of the arrow (shown below), and then remove it from the speaker.
- Open the cover panel attached to the other speaker, and then remove the box from inside the accessory compartment. The speaker cables and the power cord are located in this box.
- Connect the speakers and the mixer: Connect the speaker cables to the speaker's input jack using the included speaker cables. An arrow in the direction below shows you to insert the speaker cables at the right polarity and secure.

Making optimum volume settings

When the volume is too loud
Turn the LEVEL control on the mixer (right) to the MINIMUM (red line) position. It is also okay to use the LEVEL control with the channel selector (left) to adjust the volume of each channel.

When the volume is too soft
Turn the LEVEL control on the mixer (right) to the MAXIMUM (green line) position. It is also okay to use the LEVEL control with the channel selector (left) to adjust the volume of each channel.

Connecting microphones, instruments, and audio devices to the mixer

- Connect desired devices, such as a microphone, or an instrument to the input jack of the mixer. Refer to the instruction in the rear of the mixer or the connection examples of the cover panel of the accessory compartment.

Getting sound out of the system

- Connect the included power cord. First, connect it to the mixer's AC IN connector, then to a power outlet.
- Turn the mixer's LEVEL control (white knob) and MASTER LEVEL control (red knob) to the minimum (zero) position. Also, set the equalizer controls (green knobs) to the center "0" or "MUSIC" position.
- Set the MIC/LINE switch to the MIC (M) position for microphone connection, and to the LINE (L) position for connection of an instrument or audio device.
- Turn on the power of the connected sound source (if applicable), then the mixer. The POWER LED lights.
- Set the MASTER LEVEL control to the "0" position.
- While playing your instrument or singing into the microphone, use the LEVEL control to adjust the volume of the corresponding channel.
- Use the MASTER LEVEL control to adjust the overall volume. If you hear the sound better in the listening position, such as changing it, it is possible to refer to this check on the "Soundchecking" section in the back of this booklet.

NOTE The frequency sliders are not intended to be used as a feedback suppressor. Use the feedback suppressor switch to suppress feedback.

Applying Reverb

- Press down the REVERB switch to turn it on.
- Adjust the REVERB TYPE/TIME controls to the desired reverb type and time (length). Turning the control toward the right lengthens the time of the reverb (echo) type.
- Use the REVERB control to adjust the reverb amount of the corresponding channel.

NOTE If necessary, adjust speaker level 3 to distribute the optimum reverb setting.

Mixer Controls and Functions

- 1 MIC/LINE input jacks (channels 1-4)**: Connect microphones, instruments, or audio equipment. Channels 1 and 2 are stereo input jacks that support both XLR and phono plugs.
- 2 MIC/LINE switches (channels 1-4)**: Select the input type (MIC or LINE) for each channel. For high-impedance instruments, select the MIC position. For low-impedance instruments, select the LINE position.
- 3-4 1/2-Z input (channel 4)**: This switch is used when connecting a subwoofer to the mixer without an EQ. Select both 1/2 and Z for subwoofer. Instrument with phono output, turntable, turntable, cassette deck, etc. Select the MIC position. For high-impedance instruments, select the LINE position.
- 5 Line (instrument) input jacks (channels 5-8, 10)**: Connect instruments such as guitars, keyboards, acoustic electric guitars, CD players and portable music players. These jacks support phono, RCA, line, and stereo inputs.
- MONITOR OUT jacks**: Connect the monitor system to the mixer.
- Equalizer controls (HIGH, LOW)**: This section allows you to adjust the high and low frequency sliders. The center position is "0". Turn the control toward the right to increase the frequency. Turn the control toward the left to decrease the frequency. Press the setting button to return to the center position.
- REVERB switch**: When the switch is on, the LED light indicates that the reverb effect is applied. The reverb effect is applied to the selected channel (if selected).
- REVERB TYPE/TIME control**: Choose the reverb type and time. Turning the control toward the right lengthens the time of the reverb. Reverb type: **MUSIC**: Standard reverb of average nature, such as an concert hall. **PLATE**: Standard reverb plate, producing a warm sound. **REVERB**: Standard reverb, producing a clear sound. **SPRING**: Spring reverb, producing a clear sound.
- REVERB control (channels 1-4)**: Choose the reverb amount of the selected channel when the REVERB switch is on.
- 5 STEREO switches (channels 5A, 7B)**: Select the stereo effect (STEREO) and set using the signal from the left and right channels to each of the stereo inputs and output. Select the STEREO switch to use the signal from the left and right channels to each of the stereo inputs and output. When the STEREO switch is on, the LED light indicates that the stereo effect is applied. When the STEREO switch is off, the LED light indicates that the stereo effect is not applied.
- LEVEL meter**: The LED light shows the level of the input signal from the MIC/LINE input jacks.
- POWER LED**: The LED light shows the power is on when the power switch is on.
- FEEDBACK SUPPRESSOR switch**: When the switch is on, the LED light indicates that the feedback suppressor is active. When the switch is off, the LED light indicates that the feedback suppressor is not active.
- LEVEL control**: Use this control to adjust the volume for each channel. Turn the control toward the right to increase the volume and toward the left to decrease the volume.
- MASTER EQ (equalizer) control**: Use this control to adjust the frequency sliders. The center position is "0". Turn the control toward the right to increase the frequency. Turn the control toward the left to decrease the frequency. Press the setting button to return to the center position.
- MASTER LEVEL control**: Use this control to adjust the overall volume. Turn the control toward the right to increase the volume and toward the left to decrease the volume. Press the setting button to return to the center position.
- Notes**: Turn the mixer on by pressing the power switch. Turn the mixer off by pressing the power switch. Turn the mixer off by pressing the power switch. Turn the mixer off by pressing the power switch.
- POWER switch**: For turning the power of the mixer on or off. Press the power switch to turn the mixer on. Press the power switch to turn the mixer off.
- AC IN jack**: Connect the included power cord here.
- USB connector**: Connect your iPad/iPhone using a USB cable to the USB connector. The USB connector is located on the rear of the mixer. The USB connector is located on the rear of the mixer. The USB connector is located on the rear of the mixer.
- SUBWOOFER OUT jack**: This jack is used to connect a subwoofer to the mixer. The subwoofer out jack is located on the rear of the mixer. The subwoofer out jack is located on the rear of the mixer. The subwoofer out jack is located on the rear of the mixer.
- REVERB FOOT SW jack**: This jack is used to connect a reverb foot switch to the mixer. The reverb foot switch jack is located on the rear of the mixer. The reverb foot switch jack is located on the rear of the mixer. The reverb foot switch jack is located on the rear of the mixer.
- SPEAKERS L/R jacks**: Connect the speaker cables to the mixer. The speaker cables are located in the accessory compartment. The speaker cables are located in the accessory compartment. The speaker cables are located in the accessory compartment.



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Manual abstract:

@@@This connector supplies 5V power to the connected USB device. This connector does not support digital playback from USB devices other than the iPod/iPhone. For playback of such devices, use appropriate stereo mini or RCA pin connectors. Caution • Use a genuine Apple Dock Connector USB Cable for the iPod/iPhone connection. • Please do not use a USB hub. 4 Connect desired devices, such as a microphone, or an instrument to the input jack of the mixer. Refer to the illustration on the mixer shown below or the connection example of the cover panel of the accessory compartment. Owner's Manual Introduction Thank you and congratulations on your purchase of the Yamaha STAGEPAS 400i Portable PA System. The STAGEPAS 400i is an all-in-one PA system, consisting of two speakers and a powered mixer. In order to get the most out of your new STAGEPAS 400i and its sophisticated functions, we suggest you read through this manual thoroughly.

Also keep it in a safe place for future reference. 1 2 3 Press down the REVERB switch to turn it on. The LED lights when REVERB is on. Long Short 6l UBWOOFER OUT jack S This is for connection to a powered subwoofer, and outputs a mono signal. If this jack is in use, the low frequencies below 120Hz to the SPEAKERS L/R jacks will be cut.

The output level is linked to that of the MASTER LEVEL control (C). Position the REVERB TYPE/TIME control to the desired reverb type and time (length). Turning the control toward the right lengthens the time of the selected reverb type. Use the REVERB control to adjust the reverb amount of the corresponding channel. If necessary, repeat steps 2 and 3 to determine the optimum reverb setting.

Main Features • 400 watts power amplifier for versatility in a wide variety of performance applications. • 8-inch two-way bass-reflex type speakers for high-quality, powerful sound. • 8-channel mixer features four mono mic/line and two stereo line input channels to support a wide range of inputs. • Yamaha's high-quality SPX reverb, providing optimum processing for instruments or vocals. • Feedback Suppressor, which automatically cuts and prevents undesirable feedback noise. @@@@Channels 3 and 4 provide combo jacks that support both XLR and phone plugs. XLR phone Caution Follow the important precautions below, in order to prevent noise and possible damage to external devices and the unit when you operate this switch. • Be sure to leave this switch off if you do not need phantom power, or when you connect a device that does not support phantom power to channels 1 or 2. • Do not connect/disconnect a cable to/from channels 1 and 2 while this switch on. • Turn the LEVEL control of the channels 1 and 2 to the minimum before operating this switch.

2 MIC/LINE switches (channels 1-4) For low-level signals (including microphones), set the switch to the MIC (N) position. For high-level signals (including electronic instruments and audio equipment), set the switch to the LINE (O) position. 1 Slide the mixer's lock in the direction of the arrow (shown below), and then remove it from the speaker. 3 Hi-Z switch (channel 4) This switch is used when connecting a device directly to the mixer without a DI (direct box)—for example, instruments with passive pickups, such as an acoustic-electric guitar or electric bass without battery. This function is effective only for the phone jack input. 4 Line (stereo) input jacks (channels 5/6, 7/8) 7 Set the MIC/LINE switch to the MIC (N) position for microphone connection, and to the LINE (O) position for connection of an instrument or audio device. Connect line-level devices such as electronic instruments, acoustic-electric guitars, CD players, and portable audio players. These jacks support phone, RCA-pin, and stereo-mini plugs. RCA-pin stereo-mini ! MONITOR OUT control Determines the signal level output from the MONITOR OUT jacks (5). The MASTER LEVEL control does not affect the MONITOR OUT signal.

NOTE For the channel 5/6 input, if both phone and RCA-pin jacks are used at the same time, the phone jack will take priority. For the channel 7/8 input, if both phone and stereo mini jacks are used at the same time, the stereo mini jack will take priority. The signal from the device connected to another jack will be muted. The music signals from iPod/iPhone (9) are always mixed to channels 7/8. @ Equalizer controls (HIGH, LOW) 2 Open the cover panel attached to the other speaker, and then remove the box from inside the accessory compartment.

Two speaker cables and one power cord are included in the box. 8 Turn on the power of the connected sound source (if applicable), then the mixer. The POWER LED lights. This two-band equalizer adjusts the channel's high and low frequency bands. Setting the control to the "D" position produces a flat response in the corresponding band.

Turning the control clockwise boosts the selected band. If you start getting feedback, turn the control back slightly. 6 1 2 4 3 5 7 E) ! @ # ^ % D A B C D F \$ & 9 8 Accessory compartment # REVERB switch/LED When this switch is on, the LED lights indicating that you can apply reverb. This switch is off when you turn on the mixer. (Unlike other switches, this switch cannot be locked.) Cover panel 9 Set the MASTER LEVEL control to the "D" position. \$ REVERB TYPE/TIME control Determines the reverb type and its length. Turning the control toward the right lengthens the time of the selected reverb type. HALL:

Simulated reverb of a large space, such as a concert hall. PLATE: Simulated metal plate reverb, producing a more hardedged and bright sound.

ROOM: Simulated acoustic ambience of a small room. @@@@This allows you to adjust the overall volume without changing the relative volume balance among the various channels. When the volume is too loud Turn the LEVEL control to the minimum (zero). Set the MIC/LINE switch to the LINE (O) position, then slowly raise the LEVEL control until the desired volume is reached. * POWER LED This LED lights when the power is turned on by pressing the power switch. D Vents These are the vents for the cooling fan inside the mixer. Do not block the vents when in use. F (power) switch For turning the power of the mixer on (O) and off (N). Caution R □ apidly turning the unit on and off in succession may cause it to malfunction. After turning the unit off, wait for about 5 seconds before turning it on again.

When the volume is too soft SPEAKERS jack Caution Use only the included speaker cables. Use of other cables may result in heat generation, or short circuiting. Turn the LEVEL control to the minimum (zero). Set the MIC/LINE switch to the MIC (N) position, then slowly raise the LEVEL control until the desired volume is reached. (FEEDBACK SUPPRESSOR switch/LED When this switch is on, the LED lights indicating that feedback is automatically suppressed.

(This utilizes a seven-band notch filter.



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When this switch or the power switch is off, the notch filter will be reset.) E AC IN jack Connect the included power cord here. Specifications Do not open Power Requirement 100 V - 240 V 50 Hz/60 Hz • 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. Troubleshooting Power does not turn on. □□ you firmly and securely connect the Did power cord? □□ General Specification of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons. The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product. CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. The above warning is located on the bottom of the mixer. IMPORTANT SAFETY INSTRUCTIONS 1. 2.

3. 4. 5. 6. 7. Read these instructions. Keep these instructions. Heed all warnings. Follow all instructions. Do not use this apparatus near water. Clean only with dry cloth. Do not block any ventilation openings. Install in accordance with the mac 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 * This applies only to products distributed by YAMAHA CORPORATION OF AMERICA. 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. (class B) CH IN 1-2 XLR 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. • Remove the electric plug from the outlet when the device is not to be used for extended periods of time, or during electrical storms. XLR CH IN 3-4 3 kΩ 150 Ω Mics XLR Combo The high sounds and low sounds are unbalanced. □□ Are the equalizer controls raised or lowered too much? Set the equalizer controls to the center position. □□ the speaker properly outputting the Is high-frequency range signals? @@@@ • Do not block the vents. @ @ In particular, do not place the mixer on its side or upside down. @ @ @ @ In Norway: Apparatet må tilkoples jordet stikkontakt.

@@@@@ • 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. • Avoid setting all equalizer controls and LEVEL knobs to their maximum. Depending on the condition of the connected devices, doing so may cause feedback and may damage the speakers. • When turning on the AC power in your audio system, always turn on the mixer LAST, to avoid speaker damage due to the noise. When turning the power off, the mixer should be turned off FIRST for the same reason. • Protective circuit (poly switch) All full-range loudspeakers are fitted with a self-resetting poly switch that protects the high-frequency driver from damage caused by excessive power.

@ @ This should be long enough to allow the poly switch to reset. @ @ @ @ @ • Always turn the power off when the device is not in use. For details of products, please contact your nearest Yamaha representative or the authorized distributor listed below. Dimensions Mixer 116 □□ Connectors • XLR-type connectors are wired as follows (IEC60268 standard): pin 1: ground, pin 2: hot (+), and pin 3: cold (-). Speaker Unit: mm Information □□ About functions/data bundled with the device • iPod TM , iPhone TM iPhone, iPod, iPod classic, iPod nano, and iPod touch are trademarks of Apple Inc. , registered in the U.S. and other countries. 1 2 Attach the speaker to the speaker stand with the lock lever moved up (release position). Move the lock lever down to lock to the stand.

1 Release 2 Lock Lock lever 308 180 50° 304 275 133 Screw holes for the Mic Stand Adapter BMS-10A (optional) 81 94 2 289 472 Attaching a speaker to a speaker stand “Made for iPod” and “Made for iPhone” mean that an electronic accessory has been designed to connect specifically to iPod or iPhone respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod or iPhone may affect wireless performance. □□ About this manual • The illustrations as shown in this manual are for instructional purposes only, and may appear somewhat different from those on your device. • The company names and product names in this manual are the trademarks or registered trademarks of their respective companies. Block Diagram INPUT (CH1-2) [-56 – +16dBu] + - Pole diameter 34.8 - 35.2 * Use of the stand should refer to stand manufacturer’s instructions. R L REVERB HA EQ BA DSP COMBO PHANTOM (+30V) LOW MIC/LINE(-26dB) + - HIGH LEVEL FEEDBACK SUPPRESSOR MASTER EQ SP EQ (FIXED) AD MASTER LEVEL REVERB BA SUM REVERB AD R SUM L DA LIMITER AMP INPUT (CH3) [-56 – +16dBu] [-50 – +22dBu] HA EQ L SPEAKERS OUT PRECAUTIONS PLEASE READ CAREFULLY BEFORE PROCEEDING * Please keep this manual in a safe place for future reference.



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LOW MIC/LINE(-26dB) COMBO INPUT (CH4) [-56 – +16dBu] [-50 – +22dBu] + - HIGH LEVEL DA AMP (-1) 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 and the Directives 2002/96/EC. @@@@ If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal. (weee_eu) R REVERB ON/OFF REVERB IMPORTANT NOTICE FOR THE UNITED KINGDOM Connecting the Plug and Cord

WARNING: THIS APPARATUS MUST BE EARTHED IMPORTANT. The wires in this mains lead are coloured in accordance with the following code: GREEN-AND-YELLOW : EARTH MASTER LEVEL HA EQ BA SUM AD LOW Hi-Z MIC/LINE(-26dB) Hi-Z(1M Ω) BA LOW HIGH LEVEL REVERB DA SUM SUBWOOFER OUT (MONO) 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 mixer. The required voltage is printed on the name plate of the mixer. • Use only the supplied power cord. 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. • Be sure to connect to an appropriate outlet with a protective grounding connection. Improper grounding can result in electrical shock. DA EQ HIGH BA BA LEVEL BA ST/MONO REVERB ON/OFF FOOT SWITCH BA R MONITOR OUT MONITOR OUT L(MONO) BLUE BROWN : NEUTRAL : LIVE L INPUT (CH5/6) [-24 – +22dBu] BA EQ R As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug proceed as follows: The wire which is coloured GREEN-and-YELLOW must be connected to the terminal in the plug which is marked by the letter E or by the safety earth symbol or colored GREEN or GREEN-and-YELLOW. The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK.

The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED. (3 wires) SUM LOW EQ HIGH BA LEVEL BA ST/MONO L/R INPUT (CH7/8) [-24 – +22dBu] SUM EQ Yamaha Pro Audio global web site <http://www.yamahaproaudio.com/> Yamaha Manual Library <http://www.yamaha.co.jp/manual/> C.S.G., Pro Audio Division ©2012 Yamaha Corporation 208MWH*.*-01A0 Printed in China L DA DA USB (iPod/iPhone) R 5V 1A USB CONTROLLER .



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