

PPAS10-MP3

8-Channel, 2 x 150W Portable PA System

OWNER'S MANUAL



Important Safety Instructions

Thank you for purchasing this complete, portable PA system.

It is compact enough to fit in the overhead storage compartment of an airplane, yet is functional and powerful enough to be used as a professional sound system for small venues. It features a 120 watt, two-channel amplifier, a six-channel mixer and two removable, two-way high output speakers incorporating dual 4" woofers and a 1" tweeter each. Molded from a high-impact polypropylene polymer, It offers the only complete PA system in a protective briefcase with a spare compartment for microphone and cable storage.

It has several innovative, specialized features that make it very useful for many types of events. Among these is Split Track Mix, a feature specifically designed to control a split audio track voice and music volumes independently so you can adjust the vocals-to-music ratio differently for rehearsals and live performances. This combo channel (ch 5/6) is versatile enough to accommodate normal stereo inputs, as well, or can be used in mono for six total mixer inputs.

These features help make the ideal sound system for:

Weddings
Business Presentations
Choir and Music Rehearsal
Pageant
Dance
School functions
and so many more...

It includes all the accessories needed to get started:

Mixer
Speakers
Microphone
Cables
Lectern

Caution:

For the sake of safety in the use of this machine, please read this manual carefully

Read these instructions
Follow all instructions
Keep these instructions. Do not discard.
Heed all warnings.
Only use attachments/accessories
specified by the manufacturer.

SAFETY RELATED SYMBOLS



This symbol, wherever used, alerts you to the presence of un-insulated and dangerous voltages within the product enclosure. These are voltages that may be sufficient to constitute the risk of electric shock or death.



This symbol, wherever used, alerts you to important operating and maintenance instructions. Please read.



Protective Ground Terminal



AC mains (Alternating Current)



Hazardous Live Terminal

ON: Denotes the product is turned on.

OFF: Denotes the product is turned off.

WARNING

Describes precautions that should be observed to prevent the possibility of death or injury to the user.

CAUTION

Describes precautions that should be observed to prevent damage to the product.



Disposing of this product should not be placed in municipal waste and should be separate collection.

WARNING

• Power Supply

Ensure that the mains source voltage (AC outlet) matches the voltage rating of the product. Failure to do so could result in damage to the product and possibly the user.

Unplug the product before electrical storms occur and when unused for long periods of time to reduce the risk of electric shock or fire.

• External Connection

Always use proper ready-made insulated mains cabling (power cord). Failure to do so could result in shock/death or fire. If in doubt, seek advice, from a registered electrician.

• Do not Remove any Covers

Within the product are areas where high voltages may present. To reduce the risk of electric shock do not remove any covers unless the AC mains power cord is removed.

Covers should be removed by qualified service personnel only.

No user serviceable parts inside.

• Fuse

To prevent fire and damage to the product, use only the recommended fuse type as indicated in this manual. Do not short-circuit the fuse holder. Before replacing the fuse, make sure that the product is OFF and disconnected from the AC outlet.

• Protective Ground

Before turning the product ON, make sure that it is connected to Ground. This is to prevent the risk of electric shock. Never cut internal or external Ground wires. Likewise, never remove Ground wiring from the Protective Ground Terminal.

Features

• Operating Conditions

Always install in accordance with the manufacturer's instructions.
To avoid the risk of electric shock and damage, do not subject this product to any liquid/rain or moisture. Do not use this product when in close proximity to water.

Do not install this product near any direct heat source.

Do not block areas of ventilation. Failure to do so could result in fire.

Keep product away from naked flames.

• Power Cord and Plug

Do not tamper with the power cord or plug. These are designed for your safety.

Do not remove Ground connections!

If the plug does not fit your AC outlet seek advice from a qualified electrician.

Protect the power cord and plug from any physical stress to avoid risk of electric shock.

Do not place heavy objects on the power cord. This could cause electric shock or fire.

• Cleaning

When required, either blow off dust from the product or use a dry cloth.

Do not use any solvents such as Benzol or Alcohol.

For safety, keep product clean and free from dust.

• Servicing

Refer all servicing to qualified service personnel only.

Do not perform any servicing other than those instructions contained within the User's Manual.



To avoid damage to speakers, be sure to turn off amplifiers (or powered speakers). We also recommend that you turn the "master level" control to the minimum setting before operating the switch, to avoid excessively loud noises that could cause hearing loss or device damage.

Specifications

Output Power:	300 watts (peak) per channel into 4 ohm load
Frequency Response:	40 Hz to 25 kHz +0/-3 dB measured at 1 W
Distortion:	Less than 0.8% THD at rated output
Signal/Noise Ratio:	85 dB mic input typical
AC Power:	115 VAC 60 Hz or 230 VAC 50/60 Hz
Weight:	lbs. (33 kg)
Dimensions:	700mm (L) x 310mm (W) x 610mm (H)
Speakers:	Woofer 10" (100 mm) Dynamic Horn Tweeter
Microphone:	Dynamic, Cardioid (Unidirectional)

- ◆ Molded, high-impact polypropylene carrying case
 - Convenient briefcase design
 - Modern ergonomics
 - Light weight
 - Interlock speakers
 - Internal space for cable and microphone storage
- ◆ Powered Mixer
 - 300 watts peak power
 - Two master speaker channels with independent volume control
 - eight channels of input with independent volume, low-and high EQ controls, master EQ with low, mid, high
 - Four XLR microphone input with phantom power
 - Six line-level inputs
 - Four RCA/ inputs
 - Two RCA/ REC out
 - MP3 player (only MP8150U)**
- ◆ Two high-efficiency, two-way speakers
 - Molded polypropylene enclosures
 - Metal grille
 - Two 10" high output woofers per speaker
 - 1 x 1" horn speaker for tweeter
 - Molded speaker stand receptacle
- ◆ handheld microphone
 - Dynamic cardioid
 - Metal grille
 - On/Off switch
 - XLR balanced output
- ◆ Cables
 - Two 15' speaker cables
 - One 15' XLR balanced microphone cable
 - One line cord

Quick setup guide

THINK SAFETY FIRST!

Much of the setup of the MP series is similar to the setup of other sound systems, and many aspects require plain common sense. Safety should always be your first concern. Always use grounded outlets and three-wire extension cords. Run sound system cables in a way to prevent the danger of tripping, and tape them down where necessary. Place the speaker stands and mixer stand on a solid, level surface. Following these guidelines will help prevent personal injury and equipment damage.

Setting Up Mixer and Speakers

Place the unit on a horizontal surface. Release the latches by lifting up until they disengage.

Remove the speakers from the package.



Place speakers on their stands and position them so that they will face toward the audience and away from the microphones. All of the necessary interconnect cables can be found in the convenient zipper pouch. Connect the speaker cables from the jack on the rear of each speaker to the powered mixer, connecting the left speaker to the "MAIN SP-L" and the right speaker to the "MAIN SP-R" jacks on the front panel of the unit.



Warning! Do not connect additional speakers to the powered mixer. The included speakers provide the optimal load for the amplifier.

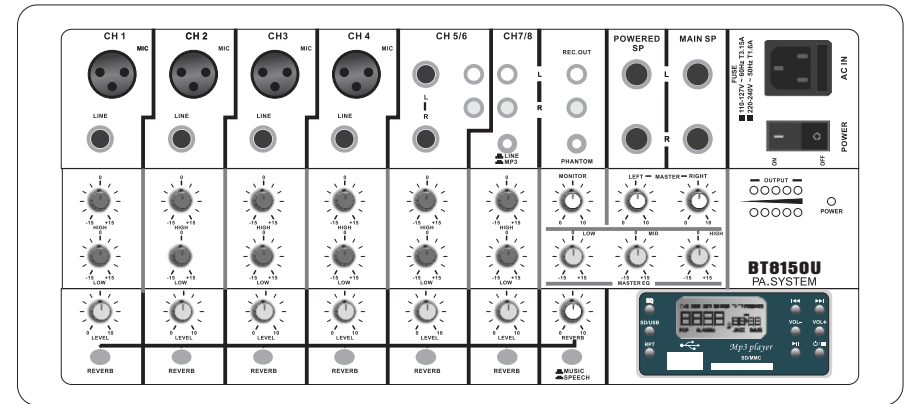
Connecting Microphone(s)

The Mp8150 powered mixer is designed to work with any good-quality, balanced, dynamic or condenser microphone. Connect the microphone(s) to the XLR (three-pin) input connectors as shown.

When using more than one mic, try to connect them to channels in the same order as they appear on stage to make them easier to identify and control.



Function description



(Front pane)

1. Channel input jacks (ch1,2,3,4)

● For connecting a guitar microphone, keyboard or other instrument/device, Set the channel level to correct position, XLR-type connectors are wired as follows : pin 1: ground, pin 2: hot(+), and pin 3: cold (-)

● Line input

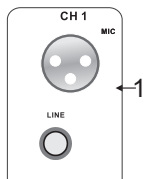
It is to connect the high sensitivity music source for 6.3 jack .



Be sure to leave this switch OFF if the device or instrument that you are using does not require phantom power.

When using phantom power, do not connect any devices other than condenser microphones to the XLR input jacks. Other devices may be damaged if connected to phantom power, this precaution does not apply to balanced dynamic microphones, however, as these will not be affected by phantom power. To avoid damage to speakers, be sure to turn off amplifiers (or powered speakers) before turning this switch on/off, we also recommend that you turn the MASTER LEVEL. Control to the minimum setting before operating the switch, to avoid excessively loud noises that could cause hearing loss or device damage.

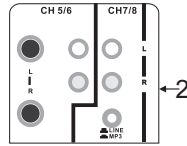
NOTE: On any given channel, you may use either XLR or phone jack, but not both, please connect to only one of these jacks on each channel



2. Stereo channel input jacks (ch5/6,7/8)

Input the and right channels of a stereo signal into the respective odd and even channels of the mixer,These inputs are intended mainly for use with instruments and equipment having stereo outputs,such as a synthesizer or CD player.

The switch is selectable for input that you need



3.Audio outputs"Rec. out"

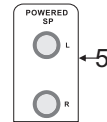
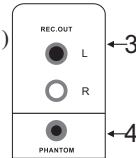
Rec output (with RCA Connectors) for connecting a recording device (or other device) (note: the signal level is not regulated by the master level controls)

4.Phantom switch

If you set the switch on, the mixer supplies phantom power on to the XLR mic input jacks on the channels 1.2.3.4.

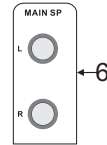
5.Powered SP output

This is connect to powered speaker or monitor speaker.



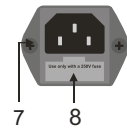
6. MAIN SP output

This outputs is adjusted with the MASTER LEVEL control,connect only the included speaker.



7. AC Input

This inlet connects the unit with the main power.



8. AC fuse

The fuse protects the alternating current circuit of the unit, And the fuse can only be replaced in the event of fuse damage.

9. Power switch

When the switch is set in the position ON, the unit is powered on. When the switch is set in the position OFF, the unit is powered off.



10. HIGH

Determines the level of the high frequency band for each channel, Rotating the knob clockwise boosts the high frequencies and produces a clearer, crisper sound, If you start getting feedback (a high-pitched squealing sound) or you want to make the sound softer and less harsh, turn the knob counterclockwise slightly.

11. LOW

Determines the level of the low frequency band for each channel, Rotating the knob clockwise boosts the low frequencies and produces a deeper, warmer sound, If you start getting feedback or you want to make the sound less boomy, turn the knob counterclockwise slightly.

12. Level vol.

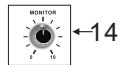
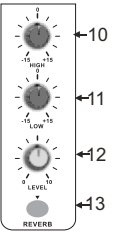
This knob controls volume for CH5/6. Turn the knob clockwise, and the volume increases. Turn the knob counter clockwise, and the volume decreases.

13. Reverb switch.

When it is down, It means the "Echo" is ON in this channel, When it is up, the "Echo" is OFF

14. Monitor level control.

This knob controls volume for powered SP output. Turn the knob clockwise, and the volume increases. Turn the knob counter clockwise, and the volume decreases.



15. Master level.

This knob controls volume for main SP output. Turn the knob clockwise, and the volume increases. Turn the knob counter clockwise, and the volume decreases.



16. Master EQ.

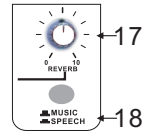
This is the master "EQ" for all inputs, it included "Low" "Mid" "High", It can be adjusted freely according to your requirement.




Troubleshooting Guide

17. Reverb level control.

This knob controls volume for Echo . Turn the knob clockwise, and the volume increases. Turn the knob counter clockwise, and the volume decreases.



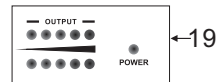
18. Music /speech select switch

This function is very useful for you. When you play music , put this switch at "  " in order to make the song sounds perfect.

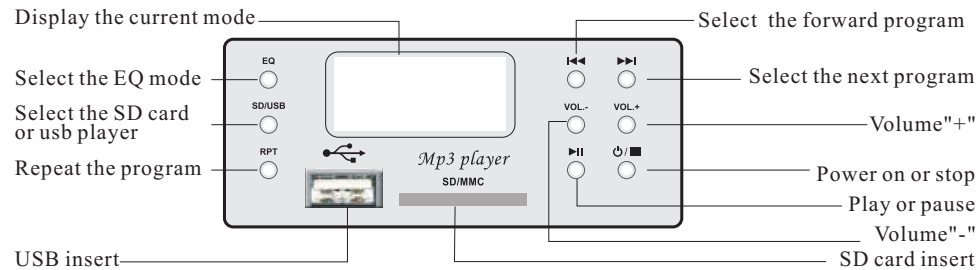
While you talk, please put the switch at "  ",so that your speech sounds very clear.

19. Level VU meter.

It indicates the output level for master output.



20. Mp3 function



Problem	Check	Correction
No sound (no power light)	Is power switch on? Is line cord connected to live power outlet?	Turn power switch on. Connect power cord to live outlet.
No sound (power light on)	Are MASTER and CHANNEL LEVEL controls up?	Adjust both MASTER and CHANNEL LEVEL controls upward to desired level. Check speaker connections. Turn mic switch on. Check mic or sound source connection.
System hum	Are all line cord ground connections made properly on Messenger and any auxiliary equipment connected to Messenger? Are all connections secure? Are all interconnect cables shielded, except the speaker cables? Does the system hum when touching microphone?	Turn the volume down on each channel starting with channel 1, working through the mixer channels to determine if the problem is coming from an external audio source, such as a malfunction in that source or a bad recording. We recommend that all units connected to the Messenger be plugged into the same AC power strip. Change the microphone cable and/or microphone.
Only one speaker works	Are speaker cable connectors secure? Are both MASTER LEVEL controls up?	Fully insert connector and/or swap speaker cables between left and right speakers and outputs to check for damaged cables.
Loud howling or squeal from speakers (known as "feedback" by audio professionals)	If it goes away when the CHANNEL or MASTER volume controls are lowered, it is acoustic feedback. Refer to Avoiding Acoustic Feedback and Using Graphic EQ sections of this manual.	Reduce microphone volume. Reposition microphone behind or farther from speakers. Observe FLS light above EQ and reduce level of that band.
Sound is distorted	Is the CHANNEL LEVEL at a very high setting?	Reduce CHANNEL LEVEL and increase MASTER LEVEL.