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PMXU43BT



PMXU63BT



PMXU83BT

Wireless BT Streaming Studio Mixer

USER GUIDE



Questions or Comments?
We are here to help!
Phone: 1.718.535.1800
PyleUSA.com/ContactUs



**READ ALL INSTRUCTIONS CAREFULLY BEFORE USING THIS PRODUCT.
RETAIN THIS OWNER'S MANUAL FOR FUTURE REFERENCE.**

**PMXU43BT - PMXU63BT - PMXU83BT
Wireless BT Streaming Studio Mixer DJ Controller
Audio Mixing Console System**

Features:

- DJ & Studio Console Mixer System
- Built-in Wireless BT Receiver
- FX (Analog Effects) & 16 Bit DSP processor
- Direct-to-Computer Connect & Sound Record Ability
- LCD Digital Display & Front Panel Control Center
- Rotary Adjustment Knobs & LED Indicator Lights
- MP3 Digital Audio File Compatibility
- USB Interface: MP3 Flash Drive Reader/Computer Connection
- Connect & Stream Audio from External Devices
- (2) 1/4" (L/R) MAIN Outputs
- 1/4" Headphone Jack
- Stereo Level Fader/Slider
- Output Signal Level Indication
- BUS Audio Control
- PAD Channel Source Input Switch
- Independent Channel Input Audio Configuration
- Gain, High, Mid, Low, FX/Send, Level, Base + Tone Adjustment
- +48V Phantom Power Control
- Power ON/OFF Switch
- Used for Professional Studio Applications & On-Stage Performances

Wireless BT Connectivity:

- Hassle-Free Audio Streaming Ability
- Works with All of Today's Latest Devices (Smartphones, Tablets, Laptops, Computers, etc.)
- Wireless BT Network Name: 'KT-08UP'
- Wireless BT Version: 4.0
- Wireless Range: 15'+ ft.

California Prop 65 Warning

⚠ WARNING:

This product may expose you to chemicals, which is known to the state of California to cause cancer, birth defects and other reproductive harm. Do not ingest.

For more info go to: www.P65warnings.ca.gov

What's in the Box:

- Wireless BT Studio Mixer
- Power Adapter Cable, 4-Pin

Technical Specs:

- Mic Input: Sensitivity/Impedance: 1.5mV/750 Ohm
- Input Frequency Response: 20Hz-20kHz, +/-3dB
- Input Distortion: 0.03%, 1kHz/150mV Input
- Channel GAIN Adjustment: +20/+64 (-6/+38)
- HIGH Gain: +/-15 dB, 12kHz Frequency Shelving
- MID Gain: +/-15 dB, 2.5kHz Frequency Shelving
- LOW Gain: +/-15 dB, 80kHz Frequency Shelving
- HIGH/MID/LOW Adjustment: -15/+15dB
- Stereo Output Level Meter: 5-Segment (+6, +3, 0, -3, -10dB)
- PAD Input Channel Adjustment: 26dB
- Peak CLIP Level: < 3dB
- Phantom Power Voltage: +48V
- Power Supply: 100-240V (+/-15V DC Power Adapter)
- Digital Audio File Compatibility File-Types: MP3, WAV


PMXU43BT	PMXU63BT	PMXU83BT
<ul style="list-style-type: none"> • Multi 4-Channel Audio Source Mixing • (2) XLR/1/4" Combo Audio LINE/Microphone Inputs • 1/4" Mono + Stereo Inputs • 1/4" Send + Return Inputs • Input Mixer Channels: 4-Ch. (+ FX/Headphones) • Dimensions (L x W x H): 9.3" x 7.5" x 2.6" 	<ul style="list-style-type: none"> • Multi 6-Channel Audio Source Mixing • (4) XLR/1/4" Combo Audio LINE/Microphone Inputs • 1/4" Mono + Stereo Inputs • 1/4" Send + Return Inputs • Input Mixer Channels: 6-Ch. (+ FX/Headphones) • Dimensions (L x W x H): 9.3" x 9.7" x 2.6" 	<ul style="list-style-type: none"> • Multi 8-Channel Audio Source Mixing • (4) XLR/1/4" Combo Audio LINE/Microphone Inputs • (2) Pair RCA (L/R) Inputs • (2) Pair 1/4" Mono + Stereo Inputs • 1/4" Send + Return Inputs • Input Mixer Channels: 8-Ch. (+ FX/Headphones) • Dimensions (L x W x H): 9.3" x 10.8" x 2.6"


GENERAL SPECIFICATIONS


MODEL		PMXU43BT	PMXU63BT	PMXU83BT
Frequency Response		20Hz-20KHz 1dB+4dBμ @1KHz		
Total Harmonic Distortion		<0.5%@+4dBμ (22Hz - 22KHz)		
Channel		4-CH	6-CH	8-CH
Input Channels	MIC/LINE	2 (XLR+6.35 Jack)	4 (XLR+6.35 Jack)	4 (XLR+6.35 Jack)
	STEREO	1 (3-4)	1 (5-6)	2 (5-6/7-8)
	MP3	1	1	1
	USB Sound card	2.0 Type-A	2.0 Type-A	2.0 Type-A
	Wireless BT	1	1	1
Output Channels	REC/RCA	/	/	/
	CTRL/6.35 Jack	1	1	1
	Main/6.35 Jack	L/R	L/R	L/R
	Phones/6.35 Jack	1	1	1
Auxiliary	INSERT	/	/	/
	Send (OUT)	1	1	1
	Return (IN)	1	1	1
Input Channel Function	PAD	26dB	26dB	26dB
	EQ/3-Band	HIGH: Gain/±15dB, Frequency: 12KHz shelving MID: Gain/±15dB, Frequency: 2.5KHz shelving LOW: Gain/±15dB, Frequency: 80Hz shelving		
	Peak LED	LED turns ON when post EQ signal reaches 3dB below clipping level		
Level Meter		2 x 5 segment LED meter (+6, +3, 0, -3, -10dB)		
Main control equalizer		/		
Effects/FX		16 DSP		
Phantom power voltage		+48V	+48V	+48V
Power input		±15VDC +48VDC	±15VDC +48VDC	±15VDC +48VDC
Power consumption		11W	14W	17W

IMPORTANT SAFETY INSTRUCTIONS



 **Caution:** Terminals marked with this symbol carry electrical current of sufficient magnitude to pose a risk of electric shock. Use only high-quality professional speaker cables with ¼" TS or twist-locking plugs pre-installed. Any other installation or modification should only be performed by qualified personnel.

 This symbol indicates the presence of uninsulated dangerous voltage inside the enclosure, which may be sufficient to constitute a risk of electric shock.

 This symbol alerts you to important operating and maintenance instructions in the accompanying literature. Please read the manual thoroughly.

Important Warnings:

- To reduce the risk of electric shock, do not remove the top cover (or rear section). No user-serviceable parts are inside. Refer servicing to qualified personnel.
- To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture. Do not allow dripping or splashing liquids, and avoid placing objects filled with liquids (e.g., vases) on the apparatus.
- These service instructions are for qualified personnel only. Repairs must be carried out by authorized service personnel to avoid the risk of electric shock.

General Guidelines

1. **Read all instructions carefully before use.**
2. **Keep these instructions for future reference.**
3. **Follow all warnings and guidance provided.**
4. Comply with all operating instructions.
5. Do not use this equipment near water.
6. Clean only with a dry cloth.
7. Ensure ventilation openings are not blocked.
Install according to the manufacturer's guidelines.
8. Do not place the apparatus near heat sources such as radiators, heat registers, stoves, or other equipment that produces heat (e.g., amplifiers).
9. Do not override the safety features of a polarized or grounding-type plug.
A polarized plug has two blades, one wider than the other. A grounding-type plug has two blades and a grounding prong. If the plug does not fit into your outlet, contact a qualified electrician to replace the obsolete outlet.
10. Protect the power cord from being walked on, pinched, or damaged, especially at the plug, receptacles, or where it exits the apparatus.
11. Use only attachments or accessories specified by the manufacturer.
12. Use the apparatus only with the cart, stand, tripod, bracket, or table specified by the manufacturer or sold with the equipment.
When using a cart, move it carefully to avoid tip-over injuries.



13. Unplug the apparatus during lightning storms or when unused for extended periods.
14. Refer all servicing to qualified personnel. Servicing is required when the apparatus is damaged in any way, including a damaged power cord or plug, liquid spillage, objects falling into the unit, exposure to rain or moisture, abnormal operation, or physical damage.
15. Connect the apparatus to a properly grounded MAINS socket outlet.
16. Ensure the disconnect device (such as a MAINS plug or appliance coupler) remains easily accessible and operable at all times.

INTRODUCTION

Caution:

We want to emphasize that prolonged exposure to high volume levels can damage your hearing, as well as your headphones or loudspeakers. Always turn the MAIN MIX and PHONES controls fully counterclockwise before powering on the unit. Adjust volume levels carefully to avoid damage.

Important Notes About Installation

The sound quality of the device may be affected by powerful broadcasting stations or other high-frequency sources. To minimize interference, increase the distance between the transmitter and the device, and use shielded cables for all connections.

General Functions of a Mixing Console

A mixing console performs three key functions:

1. **Signal Processing:**

- Preamplification
- Level adjustment
- Effects mixing
- Frequency equalization

2. **Signal Distribution:**

- Summing signals to aux sends for effects processing and monitor mixes
- Routing to one or more power amplifiers, control room outputs, and 2-track outputs.

3. **Mixing:**

- Adjusting volume levels
- Equalizing frequencies
- Positioning individual signals within the stereo field
- Controlling the overall mix level to suit recording devices, crossovers, or power amplifiers

Before You Begin

Shipment

Your mixing console has been carefully packaged to ensure safe transport. However, please inspect the packaging and contents for any signs of physical damage that may have occurred during transit.

If you find any damage, do not return the unit to us. Instead, contact your dealer and the shipping company immediately. Claims for damage or replacement may not be honored if these steps are not followed.

Initial Setup

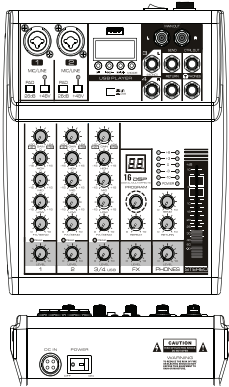
To ensure proper operation and prevent overheating, make sure there is adequate space around the unit for cooling. Do not place the mixing console near high-temperature devices like radiators or power amplifiers.

- Connect the console to the mains using the supplied power cable.
The unit meets all required safety standards. If a fuse blows, replace it only with one of the same type and rating.
- **Important:** Never connect the mixer to the power supply while the power supply is connected to the mains. Always connect the power supply to the console first, and then connect it to the mains.
- Ensure all units are properly grounded. For your safety, never remove or disable ground connectors on electrical devices or power cables.
- Installation and operation should only be carried out by qualified personnel. The user must maintain sufficient electrical contact with the ground to prevent electrostatic discharge from affecting the unit's performance.

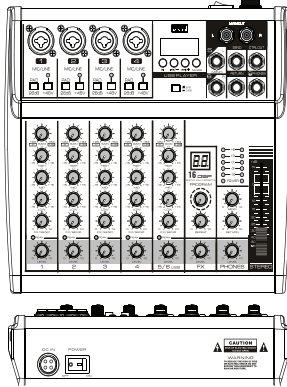
CONTROL ELEMENTS AND CONNECTORS

This chapter provides a detailed overview of the control elements of your mixing console. All controls, switches, and connectors are explained below.

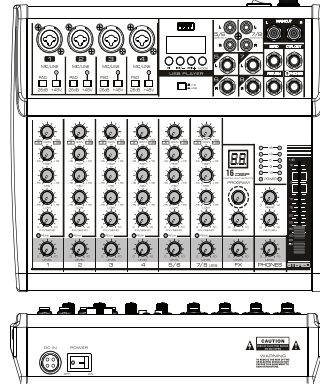
4 CHANNEL



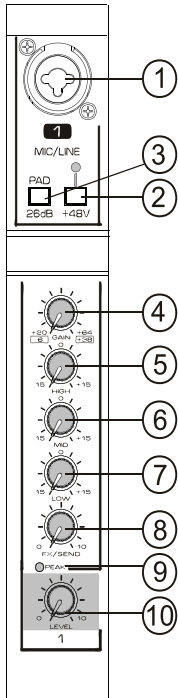
6 CHANNEL



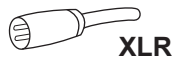
8 CHANNEL



CHANNEL INPUT



- [MIC/LINE] Mono Input:** Connect a microphone, musical instrument, or audio device (e.g., CD player) to this input. Supports both XLR and unbalanced 1/4" plugs.



XLR



UNBALANCED 1/4 " PLUG

- [+48V PHANTOM] Button/LED**
 - Activates the DC +48V phantom power for XLR plugs on the MIC/LINE mono input.
 - Turn on this button when using a condenser microphone requiring phantom power.
 - When activated, the LED indicator will light up.

- [PAD] Button**
 - Attenuates the input signal when turned ON.
 - Use this switch if you hear distortion or if the [PEAK] LED indicator lights up.

4. [GAIN] Control

- Adjusts the basic volume of each channel for optimal performance.
- If the [PEAK] LED lights up, reduce the gain by turning this control counterclockwise.

5. [HIGH] Treble Control

Adjusts the high-frequency (treble) tones, allowing enhancement or attenuation of up to ± 15 dB at 12 kHz.

6. [MID] Midrange Control

Adjusts the midrange tones, allowing enhancement or attenuation of up to ± 15 dB at 2.5 kHz.

7. [LOW] Bass Control

Adjusts the low-frequency (bass) tones, allowing enhancement or attenuation of up to ± 15 dB at 80 Hz.

8. [FX] Control

- Adjusts the signal level sent from the channel to the FX/reverb line.
- For stereo channels, signals from the left (L) and right (R) inputs are mixed before being sent to the FX line.

9. [PEAK] LED Indicator

- Flashes when the input signal or equalized volume is too high.
- To resolve this, reduce the gain by turning the [GAIN] Control counterclockwise.

10. [LEVEL] Control

Balances the volume of each channel within the overall mix.

MIC INPUT

Each mono input channel includes a balanced microphone input via the XLR connector, with a switchable +48V phantom power supply for condenser microphones.

- The preamps deliver clean, distortion-free gain, comparable to high-quality external preamps.

- **Important:** Mute your playback system before activating the phantom power to avoid loud thumping noises in your loudspeakers.

LINE INPUT

Each mono input channel also features a balanced line input on a 1/4" connector. Unbalanced devices (mono jacks) can also be connected to these inputs.

Note:

You can use either the microphone input or the line input on a single channel, but not both simultaneously.

GAIN CONTROL

The [GAIN] Control adjusts the input gain for the connected signal source.

Always turn the control fully counterclockwise before connecting or disconnecting any device to avoid sudden volume spikes or damage.

FX (Effects) Control

The FX send (or AUX send) allows you to send signals from one or more channels to an effects device.

1. The signals are summed to an FX bus, which appears at the console's FX Send Output.
2. From there, the signal can be sent to an external effects unit, and the processed signal can be returned to the console through the aux return connectors or regular channel inputs.

Features of FX Control:

- Each FX send is mono and provides up to +15 dB of gain.
- Configured post-fader, ensuring the mix of the dry signal and effects remains consistent with the channel's FX send settings, even when the level knob is lowered.
- This setup ensures effects are muted when the channel's level is turned down completely.

MAIN CONTROL

This section describes the primary controls, connectors, and functions of the mixer.

1. **[PROGRAM] Controller:** Select from 16 internal digital effects. The selected effect signal is applied equally to both the left (L) and right (R) stereo outputs.

2. **[REPEAT] Echo Controller:** Adjust to set the desired level of internal echo for the effects signal.

3. **[FX LEVEL] Effects Return Level Controller:** Controls the volume of the effects return signal.

4. Level Indicators:

Show the signal levels from the [STEREO OUT] outputs.

- If the [PEAK] indicator lights up in red, reduce the output level by adjusting the [LEVEL] Controller.

5. **[LEVEL PHONES] Earphone Volume Controller:** Adjusts the volume for the connected headphones.

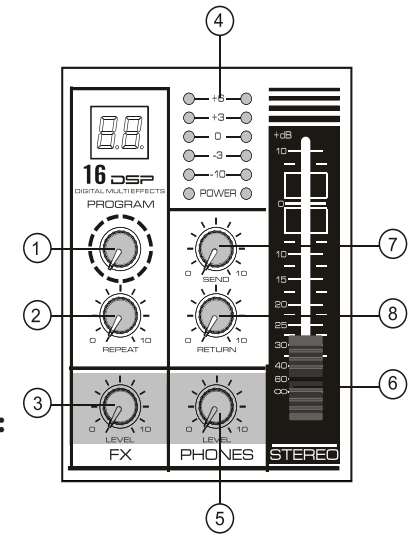
6. [STEREO LEVEL] Fader:

Controls the overall volume of the [STEREO OUT] output signal.

7. [SEND] Level Controller:

Adjusts the signal level sent to the [SEND OUT] socket.

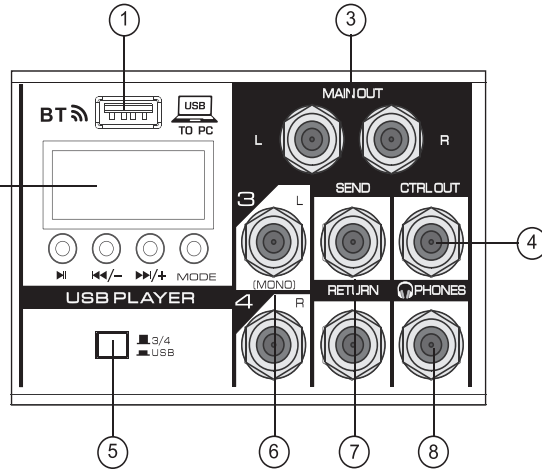
8. **[RETURN] Level Controller:** Adjusts the volume of the return signal from an external device connected to the [RETURN] Input Socket.



CONNECTIONS AND INTERFACES

1. USB Interface

- Supports MP3 input or computer connection.
- Can be used for USB flash drive (U-disk) playback or software-based recording.



2. MP3 Display

Displays playback status and details for the connected MP3 device.

3. **[MAIN OUT] Output:** Connect to an active speaker or external amplifier for main audio output.

4. **[CTRL OUT] Output:** Connect to monitor speakers for control room monitoring.

5. Converting Switch for Channel 3/4 and USB Signal:

Switches between Channel 3/4 inputs and USB signal routing.

6. Channel Input Socket (Stereo):

- 8-channel mixers: Two groups of input sockets.
- 4-channel and 6-channel mixers: One group of input sockets.
- If only the L (MONO) socket is used, the mixer will send the same mono signal to both L and R outputs.

7. [SEND & RETURN] Sockets

- **[SEND Output Socket]:** Use to send signals to an external amplifier for monitoring purposes.
- **[RETURN Input Socket]:** Use to connect an external audio source.

- **Combined Usage:** Connect to an external audio processor for both send and return functionality.

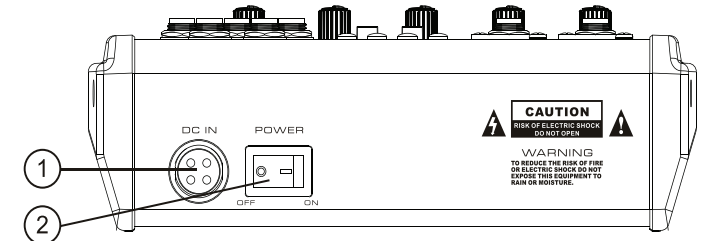
8. [PHONES] Socket

- Connect headphones for monitoring.
- Supports stereo headphone plugs.

External Power Input Socket

Receives the external power supply:

- DC +15V
- DC -15V
- DC +48V (for phantom power)
- Ground wire connection for safety.



Power Switch: Used to turn the mixer on or off. Ensure all volume controls are set to their minimum levels before powering on or off to prevent damage to connected equipment.

WIRELESS BLUETOOTH (BT) CONNECTION

Pairing and Connection

- Press the "**MODE**" button to select BT mode. The Wireless BT icon on the display will flash, and "BT" will be shown on the screen.
- Enable Bluetooth on your device and select "**KT-08UP**" from the available devices. A sound prompt will indicate successful pairing.

BUTTON FUNCTIONS

- ▶|| Button:** Short press to pause or resume playback.
- ◀◀/- Button:**
 - Short press: Skip to the previous track.
 - Press and hold: Decrease input volume.

c. ►/+ Button:

- Short press: Skip to the next track.
- Press and hold: Increase input volume.

d. MODE Button:

Switch between functions in sequence: USB, REC, BT.

RECORDING OPERATION

- Press the "MODE" button to enter the REC mode.
- Press the Play/Pause ►|| button to start recording. The LED screen will display the recording time. Press the Play/Pause ►|| button again to pause recording.
- Press the "MODE" button to exit the recording mode.

COMPUTER SOUND CARD FUNCTION

- Connect the included data cable to a PC.
The console will automatically enter the PC playback state.
- On first connection, your computer will automatically install the necessary driver. Wait for the installation to complete before playback or recording.

INSTALLATION

Mains Connection

Connect the power supply to the 3-pin mains connector on the rear of the console using the provided AC adapter. Ensure the adapter meets all applicable safety standards.

- **Important:** Use only the supplied power adapter.
- **Safety Tip:** Do not connect the power supply to the mains while it is attached to the console. First, connect the console to the power supply, then connect the power supply to the mains.

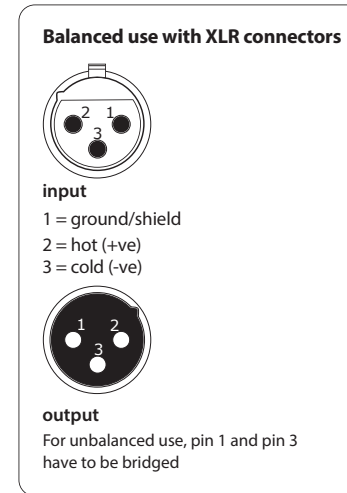
Both the power supply unit and the mixing console may heat up during operation. This is normal.

Audio Connections

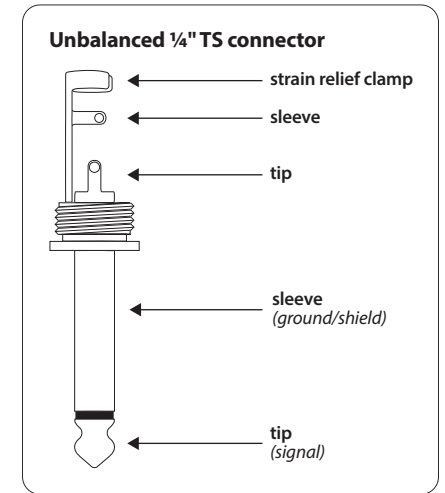
- Various cables are required for different applications. Refer to the illustrations for proper wiring of the connectors. Use only high-grade cables.
- **RCA Cables:** Use commercial RCA cables for 2-track inputs and outputs.

- **Unbalanced Connections:** You may connect unbalanced devices to balanced inputs/outputs using mono plugs or stereo plugs with the ring and sleeve bridged (for XLR connectors, connect pins 1 and 3).

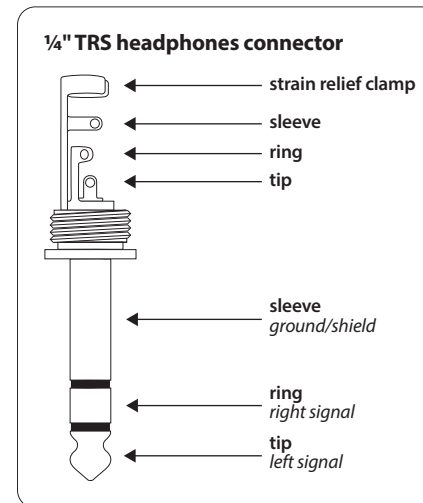
Caution: Never use unbalanced XLR connectors (pins 1 and 3 connected) with MIC input connectors when the phantom power supply is active.



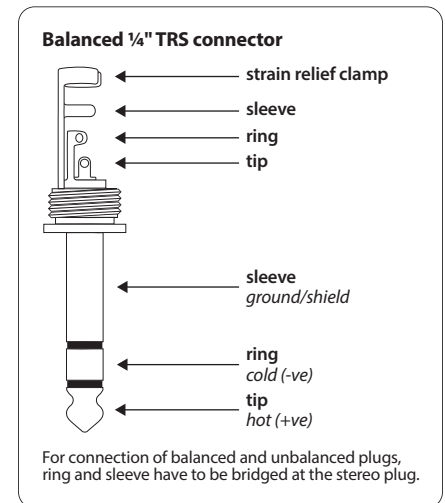
XLR CONNECTIONS



1/4" MONO PLUG



STEREO PLUG FOR HEADPHONES CONNECTION



1/4" STEREO PLUG

CLEANING, MAINTENANCE, AND STORAGE GUIDE

To ensure optimal performance and longevity of your mixing console, follow these guidelines for cleaning, maintenance, and storage:

Cleaning

- Wipe the console with a soft, dry cloth.
- Do not use liquids or sprays to avoid damaging the device.
- Use a soft brush to clean dust from vents.

Maintenance

- Check cables and power cords regularly for wear or damage. Replace if needed.
- Ensure knobs, buttons, and faders move smoothly.
- Turn off phantom power when not in use.
- Keep the console in a well-ventilated area away from heat sources.

Storage

- Turn off the console and unplug all cables before storing.
- Store in a cool, dry place away from sunlight, moisture, and dust.
- Use a protective cover or case to prevent damage.
- Organize and store cables separately to avoid tangles.



FCC INFORMATION

WARNING:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This unit generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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.
2. This device must accept any interference received, including interference that may cause undesired operation.

Register Product

Thank you for choosing PyleUSA. By registering your product, you ensure that you receive the full benefits of our exclusive warranty and personalized customer support. Complete the form to access expert support and to keep your PyleUSA purchase in perfect condition.

Start Here



Model Number:
PMXU43BT
PyleUSA.com/pages/register