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PYLE



PMXU46BT



PMXU67BT



PMXU88BT



PMXU128BT

**PMXU46BT - PMXU67BT - PMXU88BT - PMXU128BT**

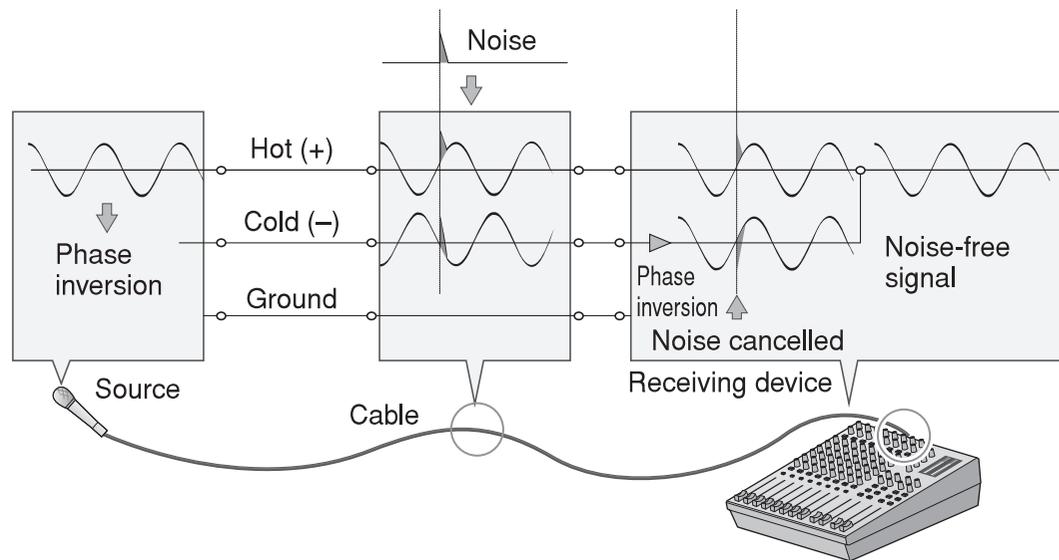
**Wireless BT Streaming Studio Mixer**

DJ Controller Audio Mixing Console System

## Balanced, Unbalanced- What's the Difference?

In a word: "noise." The whole point of balanced lines is noise rejection, and its something they're very good at. Any length of wire will act as an antenna to pick up the random electromagnetic radiation we're constantly surrounded by: radio and TV signals as well as spurious electromagnetic noise generated by power lines, motors, electric appliances, computer monitors, and a variety of other sources. The longer the wire, the more noise it is likely to pick up. That's why balanced lines are the best choice for long cable runs. If your "studio" is basically confined to your desktop and all connections are no more than a meter or two in length, then unbalanced lines are fine-unless you're surrounded by extremely high levels of electromagnetic noise. Another place balanced lines are almost always used is in microphone cables. The reason for this is that the output signal from most microphones is very small, so even a tiny amount of noise will be relatively large, and will be amplified to an alarming degree in the mixer's high-gain head amplifier.

## Balanced Noise Cancellation

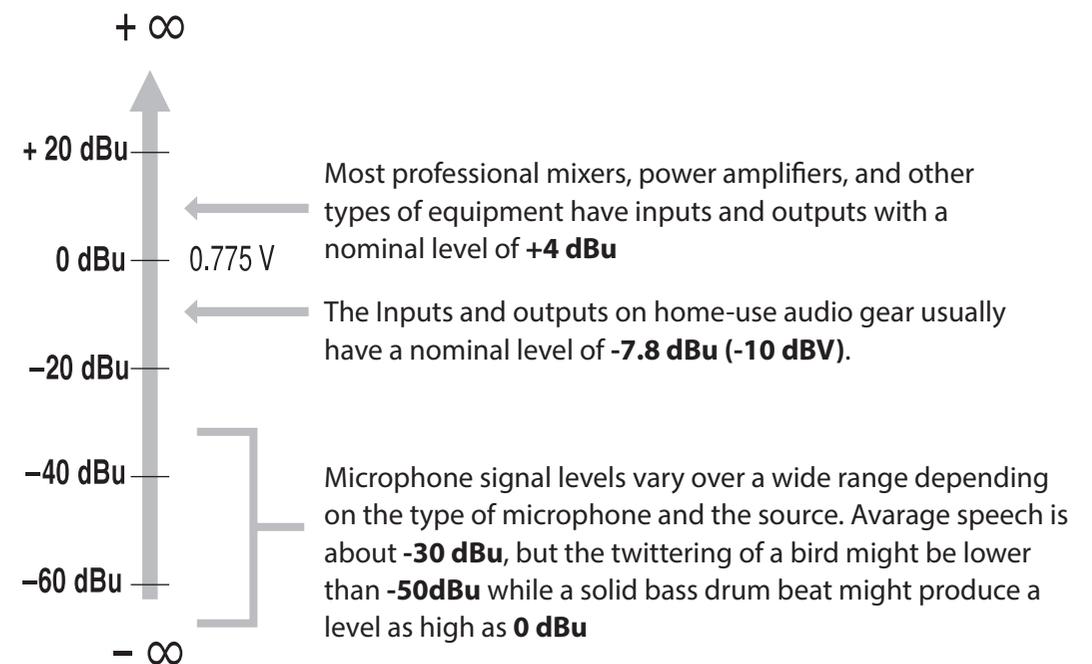


<b>Microphones</b>	Use balanced lines.
<b>Short Line - Level runs</b>	Unbalanced lines are fine if you're in a relatively noise-free environment
<b>Long Line - Level runs</b>	The ambient electromagnetic noise level will be the ultimate deciding factor, but balanced is best

## Signal Levels and the Decibel

Let's take a look at one of the most commonly used units in audio: the decibel (dB). If the smallest sound that can be heard by the human ear is given an arbitrary value of 1, then the loudest sound that can be heard is approximately 1,000,000 (one million) times louder. That's too many digits to deal with for practical calculations, and so the more appropriate "decibel" (dB) unit was created for sound-related measurements. In this system the difference between the softest and loudest sounds that can be heard is 120 dB. This is a non-linear scale, and a difference of 3 dB actually results in a doubling or halving of the loudness.

You might encounter a number of different varieties of the dB: dBu, dBV, dBm and others, but the dBu is the basic decibel unit. In the case of dBu, "0 dBu" is specified as a signal level of 0.775 volts. For example, if a microphone's output level is -40 dBu (0.00775 V), then to raise that level to 0 dBu (0.775 V) in the mixer's preamp stage requires that the signal be amplified by 100 times. A mixer may be required to handle signals at a wide range of levels, and it is necessary match input and output levels as closely as possible. In most cases the "nominal" level for a mixer's input and outputs is marked on the panel or listed in the owner's manual.



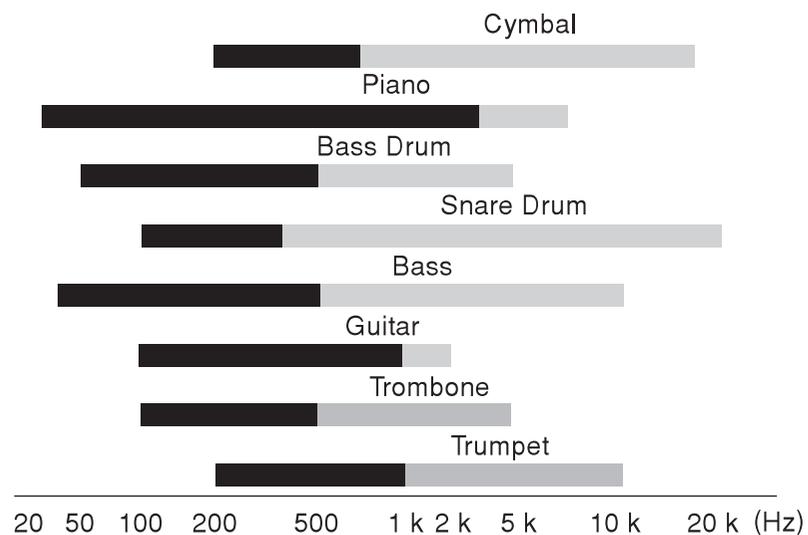
## To EQ or Not to EQ

In general: less is better. There are many situations in which you'll need to cut certain frequency ranges, but use boost sparingly, and with caution. Proper use of EQ can eliminate interference between instruments in a mix and give the overall sound better definition. Bad EQ-and most commonly bad boost-just sounds terrible.

## Cut for a Cleaner Mix

For example: cymbals have a lot of energy in the mid and low frequency ranges that you don't really perceive as musical sound, but which can interfere with the clarity of other instruments in these ranges. You can basically turn the low EQ on cymbal channels all the way down without changing the way they sound in the mix. You'll hear the difference, however, in the way the mix sounds more spacious," and instruments in the lower ranges will have better definition. Surprisingly enough, piano also has an incredibly powerful low end that can benefit from a bit of low-frequency roll-off to let other instruments-notably drums and bass-do their jobs more effectively. Naturally you won't want to do this if the piano is playing solo. The reverse applies to kick drums and bass guitars: you can often roll off the high end to create more space in the mix without compromising the character of the instruments. You'll have to use your ears, though, because each instrument is different and sometimes you'll want the snap of a bass guitar, for example, to come through.

## The fundamental ■ and harmonic □ frequency ranges of some musical instruments



■ Fundamental: The frequency that determines the basic musical pitch.

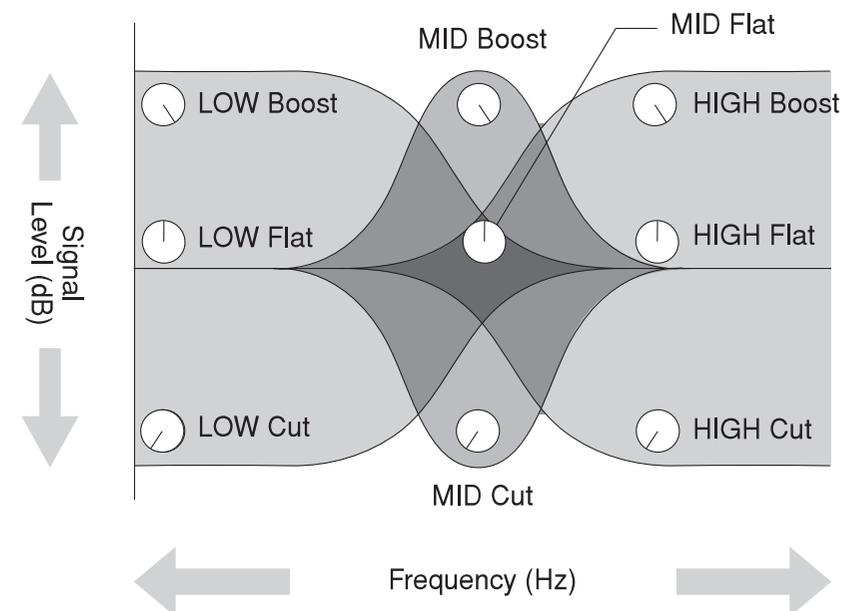
□ Harmonics: Multiples of the fundamental frequency that play a role in determining the timbre of the instrument.

## Some Frequency Facts

The lowest and highest frequencies that can be heard by the human ear are generally considered to be around 20 Hz and 20,000 Hz, respectively. Average conversation occurs in the range from about 300 Hz to about 3,000 Hz. The frequency of a standard pitchfork used to tune guitars and other instruments is 440 Hz (this corresponds to the "A3" key on a piano tuned to concert pitch). Double this frequency to 880 Hz and you have a pitch one octave higher (i.e. "A4" on the piano keyboard). In the same way you can halve the frequency to 220 Hz to produce "A2" an octave lower.

## Boost with Caution

If you're trying to create special or unusual effects, go ahead and boost away as much as you like. But if you're just trying to achieve a good-sounding mix, boost only in very small increments. A tiny boost in the midrange can give vocals more presence, or a touch of high boost can give certain instruments more "air." Listen, and if things don't sound clear and clean try using cut to remove frequencies that are cluttering up the mix rather than trying to boost the mix into clarity. One of the biggest problems with too much boost is that it adds gain to the signal, increasing noise and potentially overloading the subsequent circuitry.



## Ambience

Your mixes can be further refined by adding ambience effects such as reverb or delay. The internal effects can be used to add reverb or delay to individual channels in the same way as external effects processors. (Refer to page 15).

## Reverb and Delay Time

The optimum reverb time for a piece of music will depend on the music's tempo and density, but as a general rule longer reverb times are good for ballads, while shorter reverb times are more suited to up tempo tunes. Delay times can be adjusted to create a wide variety of "grooves". When adding delay to a vocal, for example, try setting the delay time to dotted eighth notes corresponding to the tune's tempo.

## Reverb Tone

Different reverb programs will have different "reverb tone" due to differences in the reverb time of the high or low frequencies. Too much reverb, particularly in the high frequencies, can result in unnatural sound and interfere with the high frequencies in other parts of the mix. It's always a good idea to choose a reverb program that gives you the depth you want without detracting from the clarity of the mix.

## Reverb Level

It's amazing how quickly your ears can lose perspective and fool you into believing that a totally washed-out mix sounds perfectly fine. To avoid falling into this trap start with reverb level all the way down, then gradually bring the reverb into the mix until you can just hear the difference. Any more than this normally becomes a "special effect".

## The Modulation Effects:

### Phasing, Chorus, and Flanging

All of these effects work on basically the same principle: a portion of the audio signal is "time-shifted" and then mixed back with the direct signal. The amount of time shift is controlled, or "modulated", by an LFO (Low-frequency Oscillator).

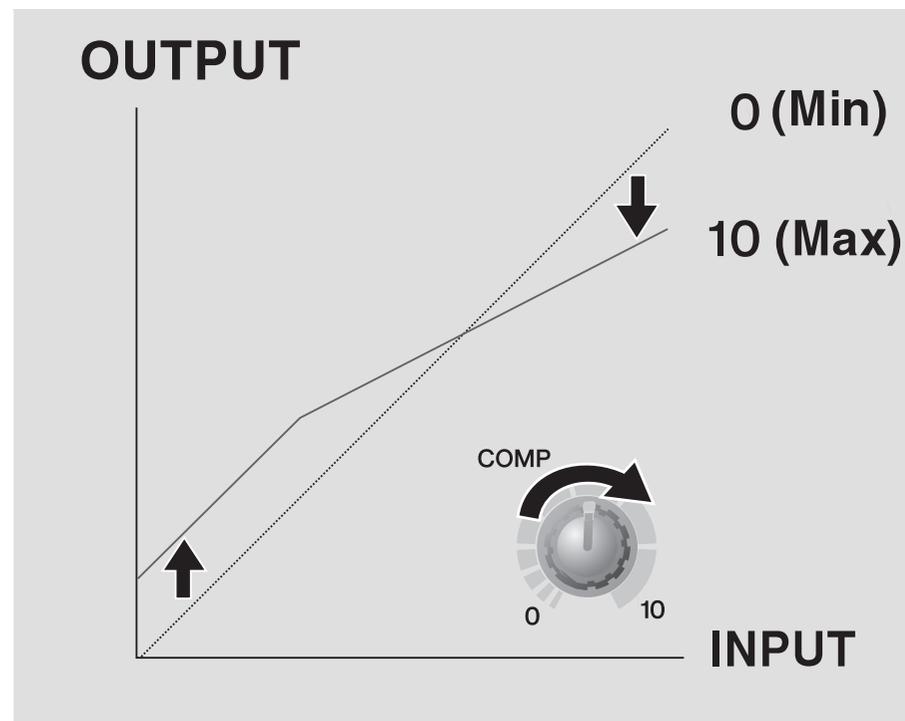
For phasing effects the shift is very small. The phase difference between the modulated and direct signals causes cancellation at some frequencies and reinforces the signal at others and this causes the shimmering sound we hear.

For chorus and flanging the signal is delayed by several milliseconds, with the delay time modulated by an LFO, and recombined with the direct signal. In addition to the phasing effect described above, the delay modulation causes a perceived pitch shift which, when mixed with the direct signal, results in a harmonically rich swirling or swishing sound. The difference between chorus and flanging effects is primarily in the amount of delay time and feedback used--flanging uses longer delay times than chorus, whereas chorus generally uses a more complex delay structure.

Chorus is most often used to thicken the sound of an instrument, while flanging is usually used as an outright "special effect" to produce other worldly sonic swoops.

## Compression

One form of compression known as "limiting" can, when properly used, produce a smooth, unified sound with no excessive peaks or distortion. A common example of the use of compression is to "tame" a vocal that has a wide dynamic range in order to tighten up the mix. With the right amount of compression you'll be able to clearly hear whispered passages while passionate shouts are still well balanced in the mix. Compression can also be valuable on bass guitar. Too much compression can cause feedback, however, so use it sparingly. Most compressors require several critical parameters to be set properly to achieve the desired sound. The MG compressor makes achieving great sound much easier: all you need to do is set a single "compression" control and all of the pertinent parameters are automatically adjusted for you.



### Caution!

- To prevent fire or shock hazard, do not expose the unit to rain or moisture.
- Do not open the top cover (or the rear section), high voltage exist inside the unit dangerously. No user serviceable parts inside.
- Refer servicing to qualified personnel.

### Precautions!

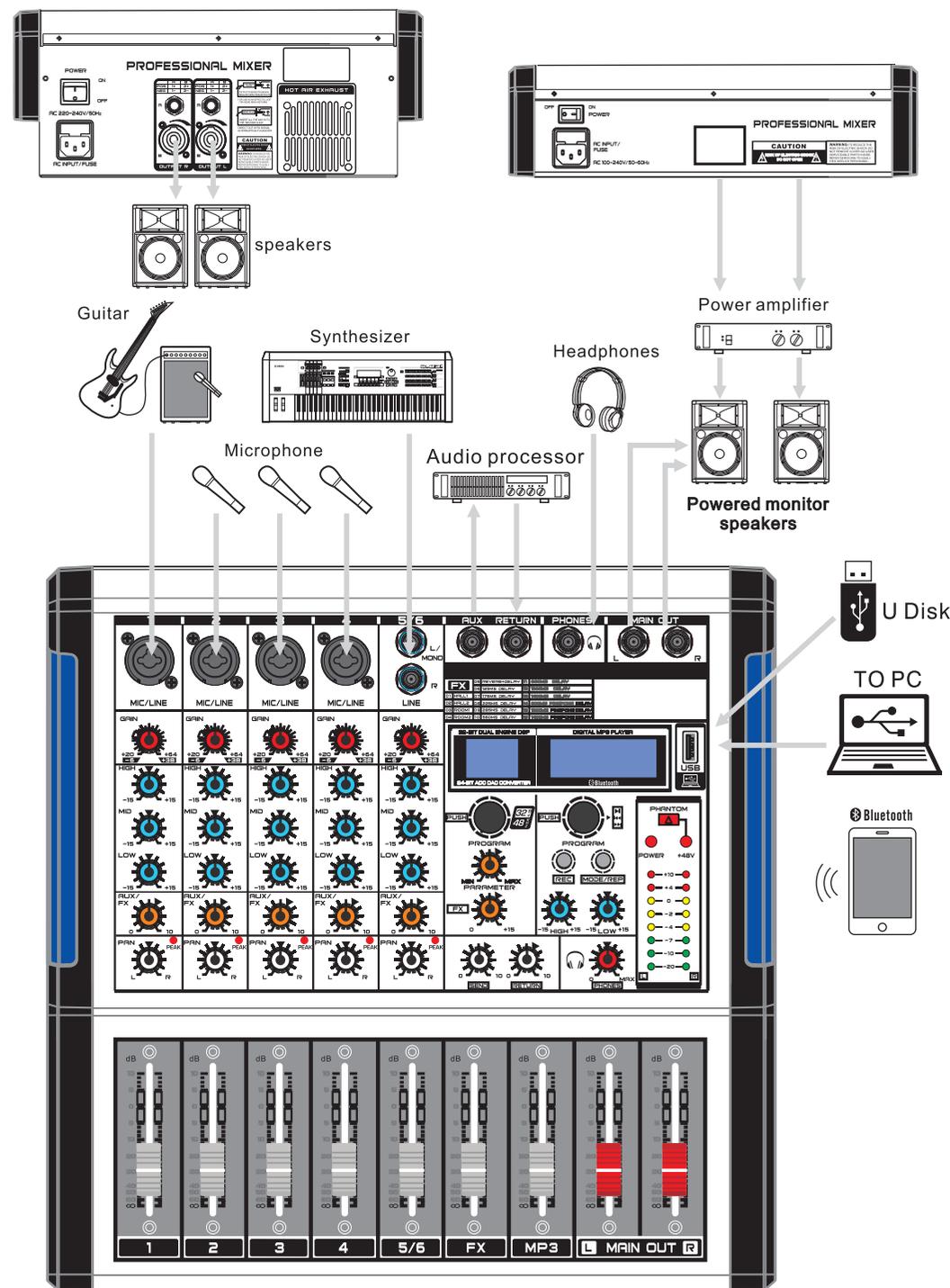
1. Do not use this apparatus near water, if any liquid or water fall into the cabinet, unplug the unit and have it checked by a qualified personnel before operating it any further.
2. Clean only with dry cloth.
3. Do not block any ventilation openings.
4. Be sure that there is enough space around the unit for cooling purposes, do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
5. Operate only on designated power supply which is printed on the unit.
6. Unplug the unit from the wall outlet or set the Master switch to **OFF** if it is not to be used for several days.
7. To disconnect the cord, pull it out by the plug. Never pull the cord itself.
8. Please note that all units is properly grounded, for your safety, you should never remove any ground connectors from electronic devices, or render them inoperative.

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### Connection Diagram

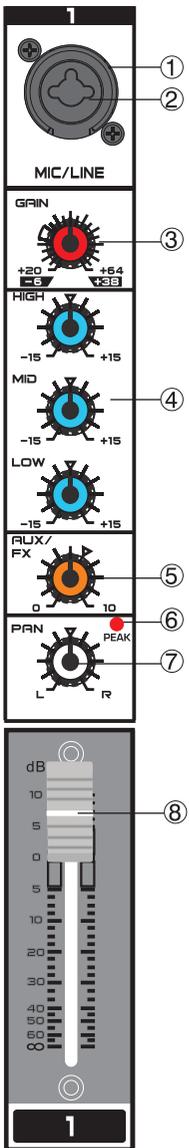
#### Built-in Power Amplifier





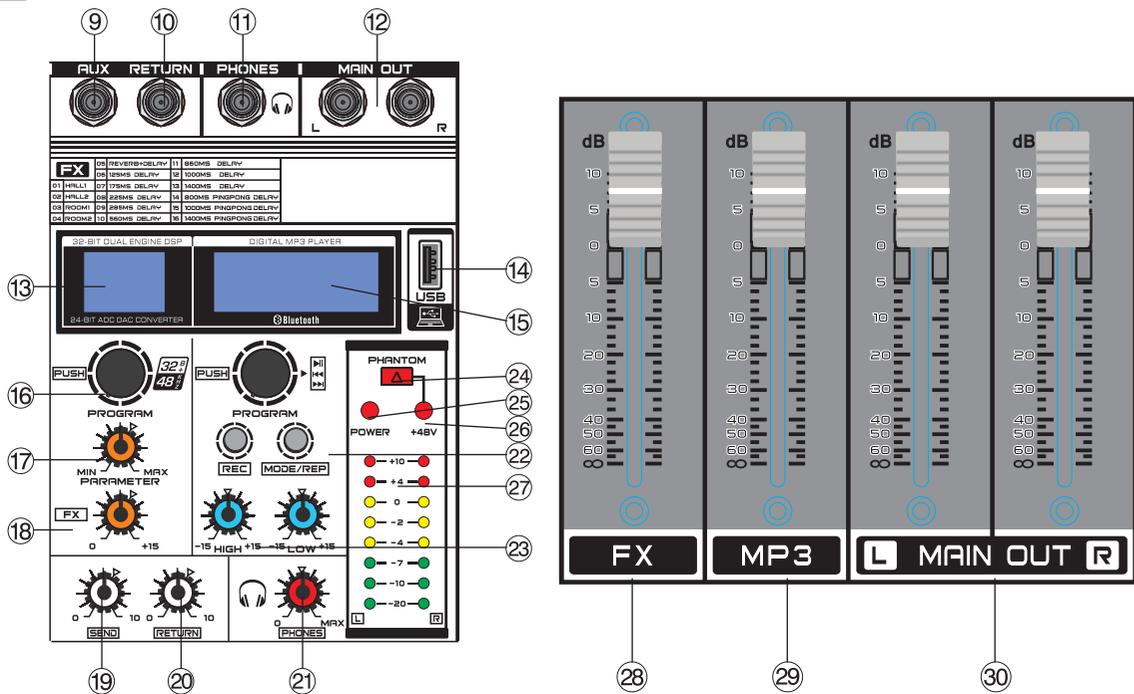
### 4/6/8/12/16 Input Channel Mixer New Multi-Voltage Power Supply for Worldwide Use 4/6/8 Input Channel, Powered Mixer

- Built-in Wireless BT connects the mobile phone or in other BT player
- Built-in MP3 player that supports variety of music formats
- Connect the computer to record and play music
- Digital DSP, 16 Multi-FX effects
- Ultra -musical 3-band EQ on all channels
- Peak LED all Channels
- High accurate level indicator
- Phantom power switch (+48V)
- Sealed rotary controls to resist dust and grime
- Rugged steel chassis

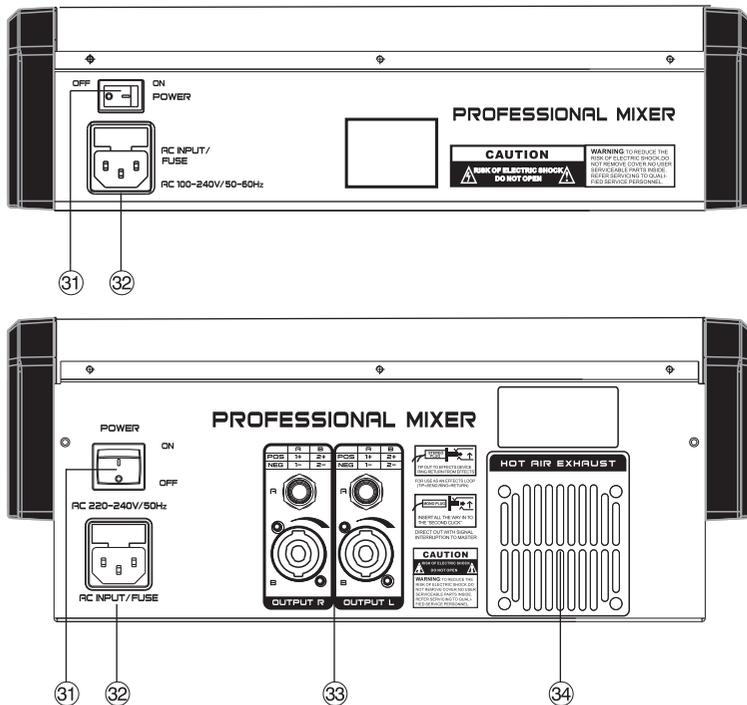


- 1. MIC Input jacks:** These are balanced XLR-type microphone input jacks. (1: Ground; 2: Hot; 3: Cold)
- 2. LINE Input Jacks (monaural channels):** These are balanced TRS phone-jack line inputs. (T: Hot; R: Cold; S: Ground). You can connect either balanced or unbalanced phone plugs to these jacks.
- 3. GAIN Control:** Adjusts the input signal level. To get the best balance between the S/N ratio and the dynamic range, adjust the gain so that the PEAK indicator only occasionally and briefly on the highest input transients. The -60 to +10 scale is the MIC input adjustment range. The 40 to +10 scale is the **LINE** input adjustment range.
- 4. Equalizer 3 (HIGH, MID and LOW):** This three-band equalizer adjusts the channel's high, mid and low frequency bands. Setting the knob to the "0" position produces a flat response in the corresponding band. Turning the knob to the right boosts the corresponding frequency band, while turning to the left attenuates the band.
- 5. AUX/FX Control:** The aux send marked FX offers a direct route to the built-in effects processor and is therefore post-fader and post-mute.
- 6. PEAK LED:** The PEAK-LED lights up when the input signal is driven too high. If this happens, back off the TRIM control and, if necessary, check the setting of the channel EQ.
- 7. PAN Control:** The PAN control determines the position of the channel signal within the stereo image. When working with subgroups, you can use the PAN control to assign the signal to just one output, which gives you additional flexibility in recording situations.

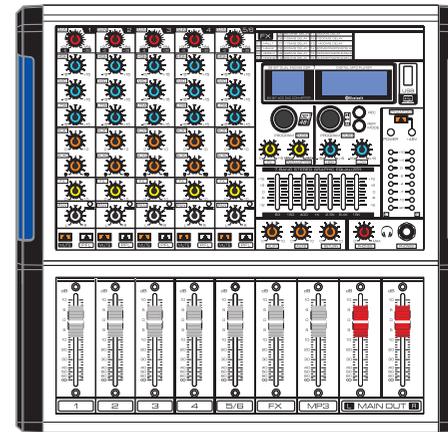
- 8. CHANNEL FADER:** Adjusts the level if there's no channel signal. Use these faders to adjust the balance between the various channels.
- 9. AUX/SEND Jacks:** The AUX SEND jack carries the master aux mix (from the channel's FX controls).
- 10. AUX/RETURN Jacks:** These are unbalanced phone-jack type line inputs. These jacks are typically used to receive the signal returned from an external effect device (reverb, delay, etc.).
- 11. PHONES Jacks:** Connect a pair of headphones to this TRS phone-type output jack.
- 12. MAIN OUT (L,R) Jacks:** These jacks deliver the mixer's stereo output. You use these jacks, for example, to connect to power amplifier driving your main speakers.
- 13. EFFECTOR Display:** Shows the kind of effector.
- 14. USB Jack:** Used by U-Disk or computer software for playing and recording.
- 15. MP3 Play Window:** Shows the Mp3 playing, time, song name and other play instruction.
- 16. PROGRAM Control:** You can select the effect preset by turning the PROGRAM control. The display flashes with the number of the current preset. To recall the selected preset, press on the button; the flashing stops. You can also recall the selected preset with the foot switch.
- 17. PARAMETER Control:** Used to adjust the depth of the selected effect, speed, etc.
- 18. FX Control:** Used to adjust size affect.
- 19. SEND Control:** Use this fader can control the MONO output jack.
- 20. RETURNS Control:** Adjusts the level at which the signal received at the RETURN jacks (L (MONO) and R) is sent to the STEREO.
- 21. PHONES Control:** Controls the level of the signal output to the PHONES jack OUT jacks.
- 22. MP3 Control:**
  - a. Selected songs/Play/Pause:** When playing music, rotate to change up/down the song, press to pause/play.
  - b. Recording:** When playing music, press and hold to record, short press to finish recording and enter playing of the recording music. When playing the recording music, short press to switch to play the USB music, play from the first USB music. When playing the USB music, short press to switch to play the recording music, play from first recording music.
  - c. Mode/Repeat:** Short press to switch the model of USB and Wireless BT, press and hold to repeat the playing song. When playing the repeated song, press and hold to return to normal play.
- 23. EQ of MP3 player:** The two-band equalizer adjusts the level of the two bands Mp3 player.
- 24. +48 V PHANTOM Power:** This switch toggles phantom power on and off. When the switch is on the mixer supplies +48V phantom power to all channels that have XLR mic input jacks. Turn this switch on when using one or more phantom-powered condenser microphones.
- 25. POWER Indicator:** This indicator lights up when the mixer's power is ON.
- 26. +48V Indicator:** This indicator lights up when the +48V power is ON.
- 27. Level Meter:** Show the strong signal's level



- 28. FX SEND Fader:** Control affect Input signal level.
- 29. MP3 VOL Fader:** Change VOL button can be control the VOL of Mp3.
- 30. MAIN MIX Fader:** You use the high precision quality faders to control the output level of the main mix.

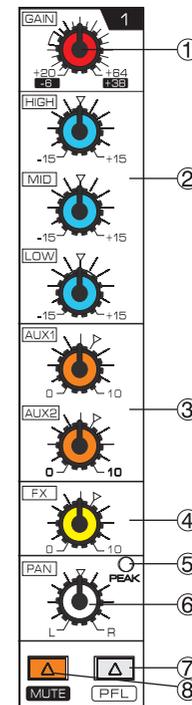


- 31. POWER Switch:** Use the POWER switch to turn on the mixing console. The POWER switch should always be in the "Off" position when you are about to connect your unit to the mains. To disconnect the unit from the mains, pull out the main cord plug. When installing the product, ensure that the plug is easily accessible.
- 32. FUSE HOLDER/IEC MAINS RECEPTACLE:** The console is connected to the mains via the cable supplied, which meets the required safety standards. Blown fuses must only be replaced by fuses of the same type and rating. The mains connection is made via a cable with IEC mains connector. An appropriate mains cable is supplied with the equipment.
- 33. AMPLIFIER OUTPUT:** Connect with two 4ohm speakers.
- 34. COOLING FAN:** Cooling the amplifier to avoid the amplifier too hot to be broken.

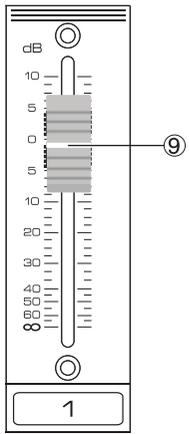


**4/6/8/12/16 Input Channel Mixer, New Multi-Voltage Power Supply for Worldwide Use**

- Built-in Wireless BT connects the mobile phone or in other BT player
- Built-in MP3 player that supports variety of music formats
- Connect the computer to record and play music
- Digital DSP, 16 Multi-FX effects
- Ultra -musical 3-band EQ on all channels
- Peak LED all Channels
- High accurate level indicator
- Phantom power switch (+48V)
- Sealed rotary controls to resist dust and grime
- Rugged steel chassis



- 1. GAIN Control:** Adjusts the input signal level. To get the best balance between the S/N ratio and the dynamic range, adjust the gain so that the PEAK indicator Slights only occasionally and briefly on the highest input transients. The -60 to +10 scale is the MIC input adjustment range. The 40 to +10 scale is the LINE input adjustment range.
- 2. Equalizer 3 (HIGH, MID and LOW):** This three-band equalizer adjusts the channel's high, mid and low frequency bands. Selling the knob to the "0" position produces a flat response in the corresponding band. Turning the knob to the right boosts the corresponding frequency band, while turning to the left attenuates the band.
- 3. AUX1/AUX2 Control:**  
**[AUX1] Control:** This control adjusts the level of the inputsentto the AUX1 output (refer to numeral 36 in section MAIN TERMINALS on page 10).  
**[AUX2] Control:** This control adjusts the level of the input sent to the AUX2 output (refer to numeral 35 in section MAIN TERMINALS on page 10).
- 4. FX Control:** Adjusts the level of the signal sent from the channel to the FX SEND buses.



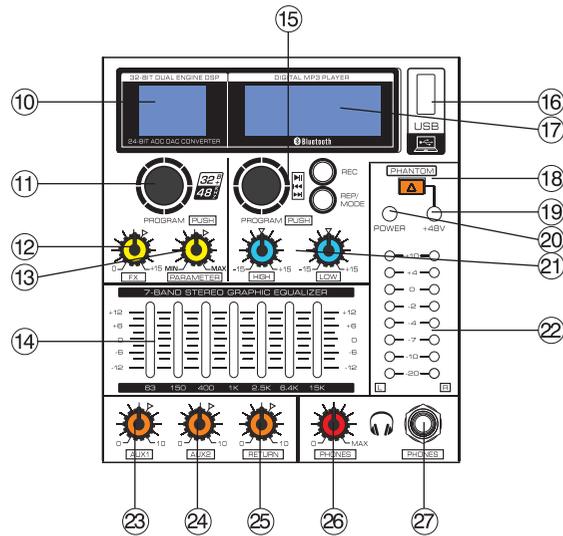
- 5. PEAK LED:** The PEAK-LED lights up when the input signal is driven too high. If this happens, back off the TRIM control and, if necessary, check the setting of the channel EQ.
- 6. PAN Control:** The PAN control determines the position of the channel signal within the stereo image. When working with subgroups, you can use the PAN control to assign the signal to just one output, which gives you additional flexibility in recording situations.
- 7. PFL SWITCH:** The PFL switch is used to route the channel signal to the PFL bus (Pre Fader Listen). This enables you to listen to a channel signal without affecting the main output signal. The signal you hear is taken either before the pan control (PFL, mono)
- 8. MUTE SWITCH:** The MUTE switch breaks the signal path pre-channel fader, hence muting that channel in the main mix. The aux sends which are set to post-fader are likewise muted for that channel, while the pre-fader monitor paths remain active irrespective of whether the channel is muted or not.
- 9. CHANNEL FADER:** Adjusts the level of the channel signal. Use these faders to adjust the balance between the various channels.
- 10. EFFECTOR Display:** Shows the kind of effector.

- 11. PROGRAM Control:** You can select the effect preset by turning the PROGRAM control. The display flashes with the number of the current preset. To recall the selected preset, press on the button; the flashing stops. You can also recall the selected preset with the foot switch.

- 12. FX Control:** Used to adjust size effect.
- 13. PARAMETER Control:** Used to adjust the depth of the selected effect, speed, etc
- 14. ST GRAPHIC EQUALIZER:** This 7-band equalizer adjusts the sound of the signal sent to the MAIN OUT jacks.

**15. MP3Control**

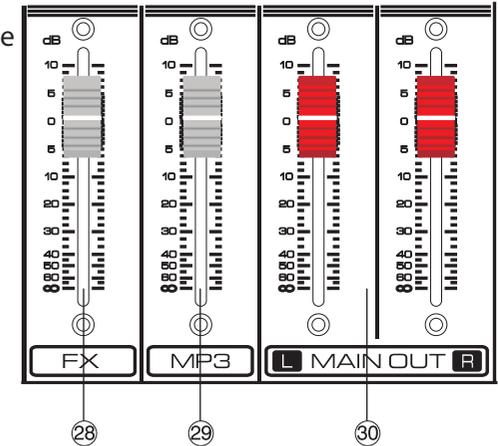
- a. Selected songs/Play/Pause:** When playing music, rotate to change up/down the song, press to pause/play.
- b. Recording:** When playing music, press and hold to record, short press to finish recording and enter playing of the recording music. When playing the recording music, short press to switch to play the USB music, play from the first USB music. When playing the USB music, short press to switch to play the recording music, play from first recording music.



- c. Mode/Repeat:** Short press to switch USB and Wireless BT mode, press and hold to repeat the playing song. When playing the repeated song, press and hold to return to normal play.

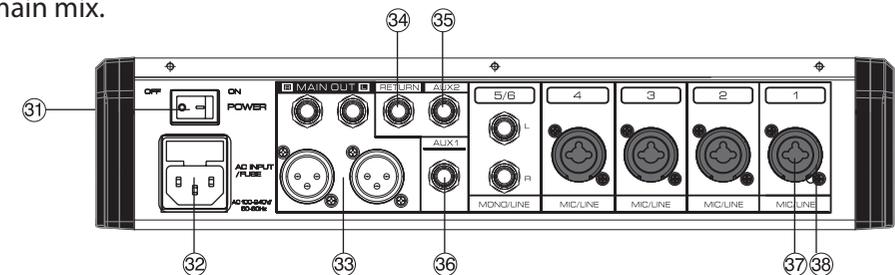
- 16. USB Jack:** Used by U-Disk or computer software for playing and recording.
- 17. MP3 Play Window:** Shows the Mp3 playing, time, song name and other play instruction.
- 18. +48V PHANTOM Power:** This switch toggles phantom power on and off. When the switch is on the mixer supplies +48V phantom power to all channels that have XLR mic input jacks. Turn this switch on when using one or more phantom-powered condenser microphones.

- 19. +48V Indicator:** This indicator lights up when the +48V power is ON.
- 20. POWER Indicator:** This indicator lights up when the mixer's power is ON.
- 21. MP3 EQ player:** The two-band equalizer adjusts the level of the two bands Mp3 player.
- 22. Level Meter:** Shows the level of strong signal.
- 23. AUX1 Level Control:** This control adjusts the signal level from the [AUX1] output jack (refer to numeral 36 in Section MAIN TERMINALS on page 10).



- 24. AUX2 Level Control:** This control adjusts the signal level from the [AUX2] output jack (refer to numeral 35 in Section MAIN TERMINALS on page 10).

- 25. RETURNS Control:** Adjusts the level at which the signal received at the RETURN jacks (L (MONO) and R) is sent to the STEREO L/R bus.
- 26. PHONES Control:** Controls the level of the signal output to the PHONES jack OUT jacks.
- 27. PHONES Jacks:** Connect a pair of headphones to this TRS phone-type output jack.
- 28. FX SEND Fader:** Control effect input signal level.
- 29. MP3 VOL Fader:** Change VOL button can be control the VOL of Mp3.
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**33. MAIN OUT (L,R) Jacks:** These jacks deliver the mixer's stereo output. Use these jacks to connect power amplifier to your main speakers.

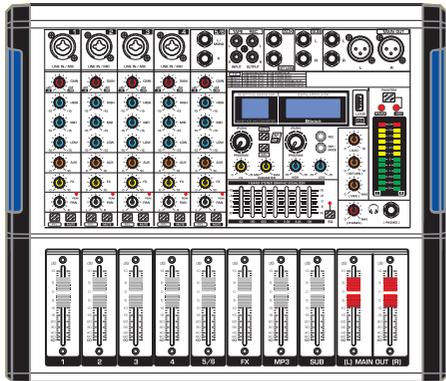
**34. RETURN Jacks:** These are unbalanced phone-jack type line inputs. These jacks are typically used to receive the signal returned from an external effect device (reverb, delay, etc.).

**35. AUX2 Output Jack:** This AUX2 output is a 1/4" TS jack. This AUX2 output is the sum of the signals sent from each channel. If a particular channel's AUX2 control knob (refer to numeral 3 in section CHANNEL INPUT on page 9) is fully turned down, that channel is not contributing to the AUX2 output signal.

**36. AUX1 Output Jack:** This AUX1 output is a 1/4" TS jack. This AUX1 output is the sum of the signals sent from each channel. If a particular channel's AUX1 control knob (refer to numeral 3 in section CHANNEL INPUT on page 9) is fully turned down, that channel is not contributing to the AUX1 output signal.

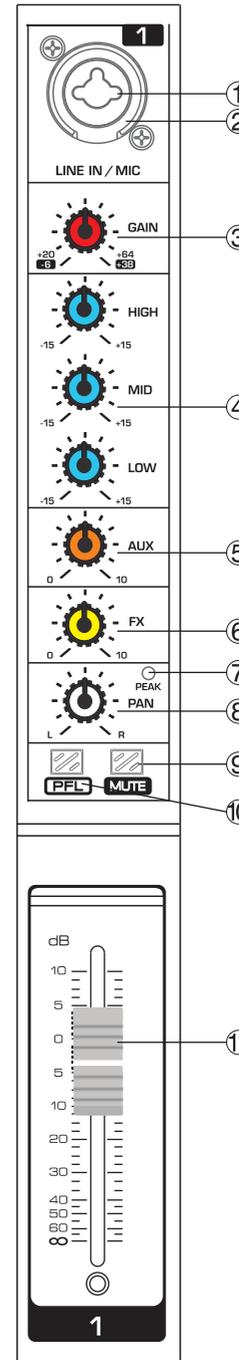
**37. Input jacks:** These are balanced XLR-type microphone input jacks. (1: Ground; 2: Hot; 3: Cold)

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- 4. Equalizer 3 (HIGH, MID and LOW):** This three-band equalizer adjusts the channel's high, mid and low frequency bands. Setting the knob to the "0" position produces a flat response in the corresponding band. Turning the knob to the right boosts the corresponding frequency band, while turning to the left attenuates the band.
- 5. AUX Control:** Used to adjust the output to AUX pin signal level.
- 6. FX Control:** Adjusts the level of the signal sent from the channel to the FX SEND buses.
- 7. PEAK LED:** The PEAK LED lights up when the input signal is driven too high. If this happens, back off the TRIM control and, if necessary, check the EQ channel setting.
- 8. PAN Control:** The PAN control determines the position of the channel signal within the stereo image. When working with subgroups, you can use the PAN control to assign the signal to just one output, which gives you additional flexibility in recording situations.
- 9. MUTE SWITCH:** The MUTE switch breaks the signal path pre-channel fader, hence muting that channel in the main mix. The aux sends which are set to post-fader are likewise muted for that channel, while the pre-fader monitor paths remain active irrespective of whether the channel is muted or not.
- 10. PFL SWITCH:** The PFL switch is used to route the channel signal to the the PFL bus (Pre Fader Listen). This enables you to listen to a channel signal without affecting the main output signal. The signal you hear is taken either be fore the pan control (PFL, mono).
- 11. CHANNEL FADER:** Adjusts the channel signal level. Use these faders to adjust the balance between the various channels.
- 12. TAPE INPUT/OUTPUT SOCKET:** The TAPE IN jacks (on stereo RCA) allows the connection of play-back devices such as CD players, etc. Use the TAPE OUT Jacks to connect, for example, a tape deck for recording applications.
- 13. AUX/RETURN JACKS:** These are unbalanced phone-jack type line inputs. These jacks are typically used to receive the signal returned from an external effect device (reverb, delay, etc.). These pins can be connected, such as the effect of external equipment.

- 14. SUB Jack:** Bass output jack.
- 15. MAIN OUT (L,R.) Jacks:** These jacks deliver the mixer's stereo output. You use these jacks, for example, to connect to power amplifier driving your main speakers.
- 16. EFFECTOR Display:** Show the kind of effector.
- 17. PROGRAM Control:** You can select the effect preset by turning the PROGRAM control. The display flashes with the number of the current preset. To recall the selected preset, press on the button; the flashing stops. You can also recall the selected preset with the foot switch.

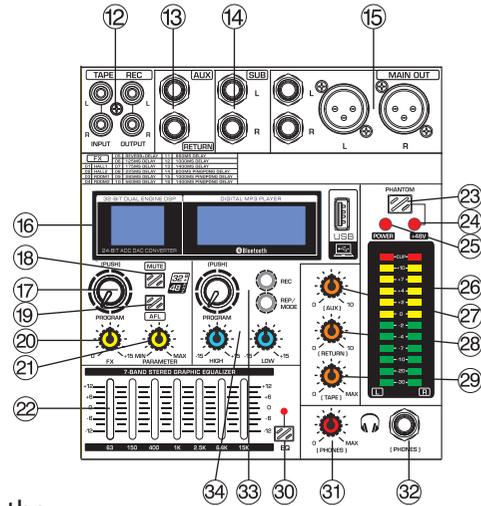
- 18. DSP MUTE SWITCH:** Mute the DSP or effects.
- 19. AFL SWITCH:** The AFL switch is used to route the channel signal to AFL bus (post-fader listen), it allows you to listen to a channel signal that is affected by the main output signal. The signal you hear is taken after PAN control.

- 20. FX Control:** Used to adjust size effect.
- 21. PARAMETER Control:** Used to adjust the depth of the selected effect, speed, etc.
- 22. ST GRAPHIC EQUALIZER:** This 7-band equalizer adjusts the sound of the signal send to the MAIN OUT jacks.

- 23. +48V PHANTOM Power:** This switch toggles phantom power on and off. When the switch is on the mixer supplies +48V phantom power to all channels that have XLR mic input jacks. Turn this switch on when using one or more phantom-powered condenser microphones.

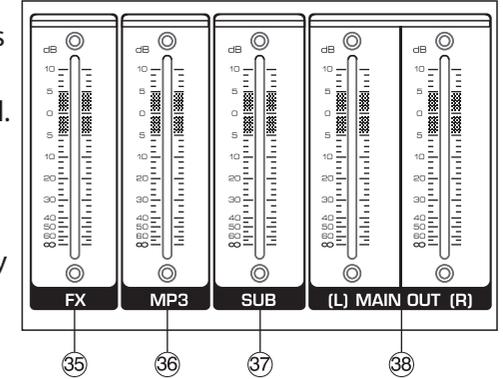
- 24. +48V Indicator:** This indicator lights up when the +48V power is ON.
- 25. POWER Indicator:** This indicator lights up when the mixer's power is ON.
- 26. Level Meter:** Show the level signal's strong.
- 27. AUX Control:** Used to adjust the output to AUX pin signal level.
- 28. RETURNS Control:** Adjusts the level at which the signal received at the RETURN jacks (L (MONO) and R) is sent to the STEREO L/R bus.
- 29. TAPE Control:** Used to adjust the output to TAPE pin signal level.
- 30. EQ IN SWITCH:** Use this switch to activate the graphic equalizer.
- 31. PHONES Control:** Controls the level of the signal output to the PHONES jack OUT jacks.
- 32. PHONES Jacks:** Connect a pair of headphones to this TRS phone-type output jack.

- 33. MP3 Control:**
  - a. Selected songs/Play/Pause:** When playing music, rotate to change up/down the song, press to pause/play.
  - b. Recording:** When playing music, press and hold to record, short press to finish recording and enter playing of the recording music. When playing the recording music, short press to switch to play the USB music, play from the first USB music. When playing the USB music, short press to switch to play the recording music, play from first recording music.

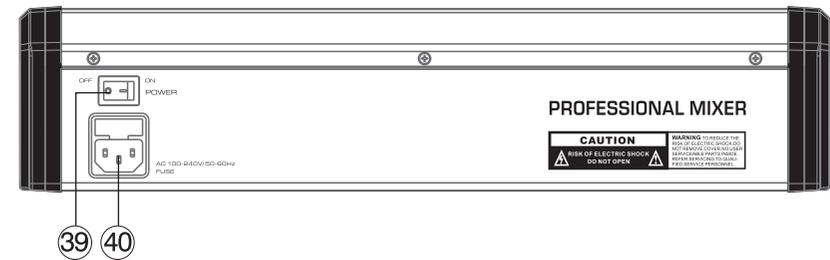


- c. Mode/Repeat:** Short press to switch the model of USB and Wireless BT, press and hold to repeat the playing song. When playing the repeated song, press and hold to return to normal play.

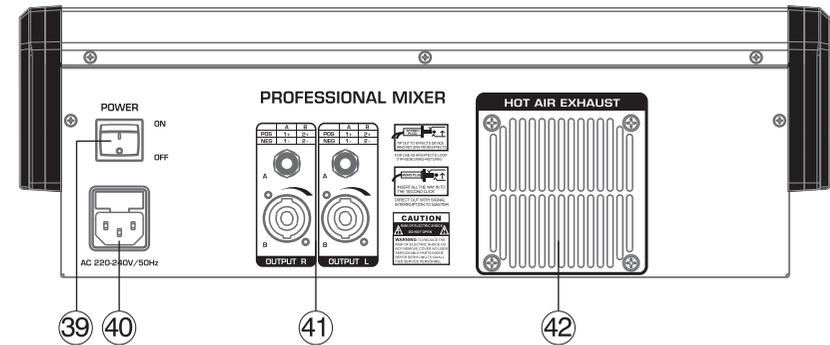
- 34. MP3 player EQ:** The two-band equalizer adjusts the level of the two bands Mp3 player.
- 35. FX SEND Fader:** Control effect input signal level.
- 38. MP3 VOL Fader:** Change VOL button can be control the VOL of Mp3.
- 37. SUB Fader:** Adjust the SUB output level
- 38. MAIN MIX Fader:** Use the high-precision quality faders to control the main mix output level.
- 39. POWER Switch:** Use the POWER switch to turn on the mixing console.



The POWER switch should always be in "Off" position when you are about to connect your unit to the mains. To disconnect the unit from the mains, pull out the main cord plug. When installing the product, ensure that the plug is easily accessible.



### Built-in power amplifier

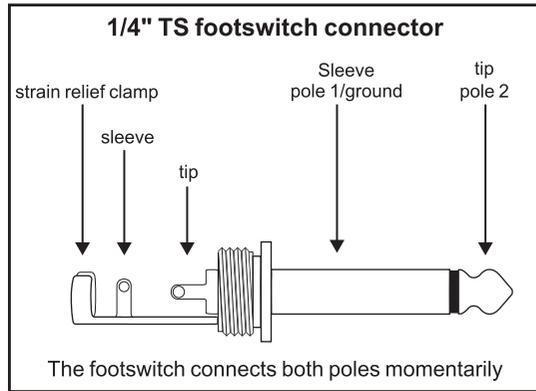


- 40. FUSE HOLDER/IEC MAINS RECEPTACLE:** The console is connected to the mains via the cable supplied, which meets the required safety standards. Blown fuses must only be replaced by fuses of the same type and rating. The mains connection is made via cable with IEC mains connector. An appropriate mains cable is supplied with the equipment.
- 41. AMPLIFIER OUTPUT:** Connect with two 4ohm speakers.
- 42. COOLING FAN:** Cools the amplifier to avoid overheating the amplifier.

## INSTALLATION

### Cable Connections

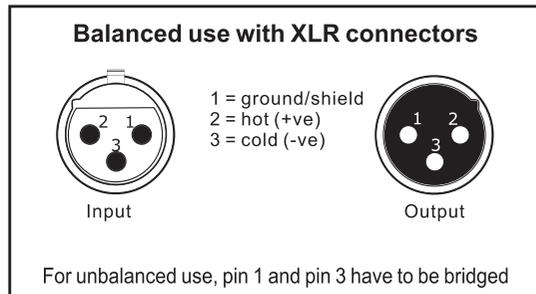
You will need a large amount of cables for the various connections of the console. The image below shows the wiring of these cables. Use only HIGH GRADE cables



Foot Switch Connector

### Audio Connections

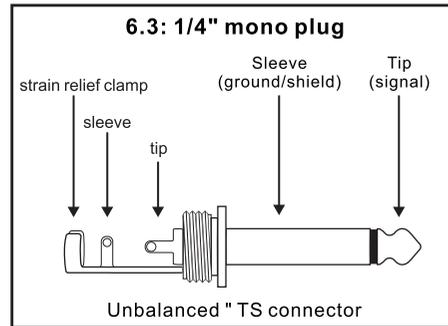
Use commercial RCA cables to wire the 2-track input and output. You can also connect unbalanced devices to the balanced input/output. Use either mono plugs, or use stereo plugs to link the ring and shaft (or pins 1 & 3 in the case of XLR connectors).



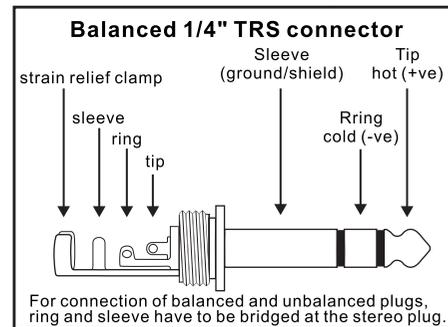
XLR Connections

### CAUTION!

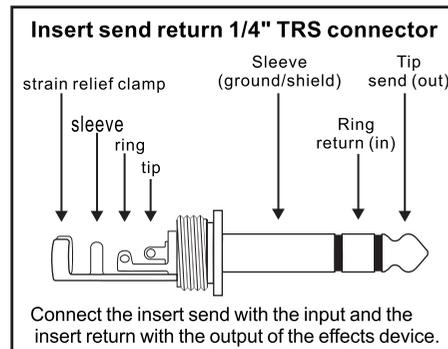
NEVER USE unbalanced XLR connectors (PIN 1 and 3 connected) at the MIC input jacks if you want to use the phantom power supply.



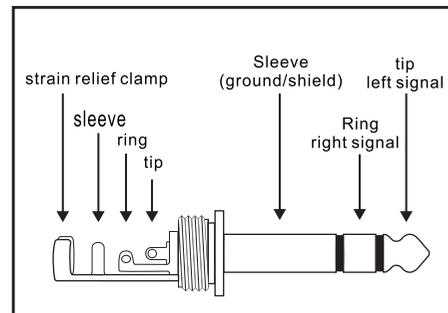
6.3: 1/4" Mono Plug



Balanced 1/4" TRS Connector



Insert Send/Return Stereo Plug



1/4" TRS Headphones Connector

## TROUBLESHOOTING

If a problem occurs while operating, use this troubleshooting guide to help remedy the problem before requesting repairs. If the problem persists, consult your nearest dealer.

PROBLEM	POSSIBLE CAUSES	SOLUTIONS
Power can't be turned on.	Power Supply cord is not connected or not connected securely.	Securely connect the power supply cord to the mixer DC input and/or the AC power outlet.
	The power supply cord is defective.	Replace the power supply cord.
	The AC power outlet has no power.	Connect the power supply to an AC power outlet with proper power.
No output sound	The AC power source is from an AC power extension cord. Extension cord power switch is not turned ON.	Turn on the power switch of the AC power extension cord.
	The power is turned OFF	Turn ON the power
	The stereo level fader was turned to minimum.	Adjust the stereo level fader to have an optimal output level.
One channel no sound	The main output audio cable is missing or defective.	Connect, repair or replace the audio cables.
	The gain control knob to the channel was turned to minimum.	Adjust the gain control knob to that channel to have an optimal output level.
Microphone no sound	The level control knob to the microphone channel was turned to minimum.	Adjust the level control knob to that channel to have an optimal output level.
	No phantom power to the condenser microphone	Turn on the phantom power.
	The gain control knob to the microphone channel was turned to minimum.	Adjust the gain control knob to that microphone channel to have an optimal microphone output level.
Distorted sound	The level control knob to the microphone channel was turned to minimum.	Adjust the level control knob to that microphone channel to have an optimal microphone output level.
	The amplitude of the input signal is over the threshold.	Adjust the gain control knob to lower the input gain.
Distorted sound	The amplitude of the main output signal is over the threshold of the connected amplifiers or active speakers.	Adjust the stereo level fader to lower the main output level.

## PMXU46BT - PMXU67BT - PMXU88BT - PMXU128BT

### Wireless BT Streaming Studio Mixer - DJ Controller Audio Mixing Console System

MODEL	PMXU46BT	PMXU67BT	PMXU88BT	PMXU128BT
Input Mixer Channels	4-Ch. (+ FX/Headphones)	6-Ch. (+ FX/Headphones)	8-Ch. (+ FX/Headphones)	12-Ch. (+ FX/Headphones)
Dimensions (L x W x H)	13.8"x12.5"x3.66" -inches	15.2"x12.5"x3.66" -inches	16.3"x12.5"x3.66" -inches	21.4"x12.5"x3.66" -inches

#### 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
- 7-Band EQ
- 32-Bit Dual Engine DSP
- 24-Bit ADC DAC Converter
- FX Configuration Adjustment Controls
- Rotary Adjustment Knobs & LED Indicator Lights
- MP3 Digital Audio File Compatibility
- USB Flash Drive Reader
- USB Port for Desktop Connection
- Connect & Stream Audio from External Devices
- (2) 1/4" (L/R) MAIN Outputs
- (2) XLR/1/4" Combo Audio LINE/Microphone Inputs
- 1/4" Mono + Stereo Inputs
- 1/4" Send + Return Inputs
- 1/4" Headphone Jack
- Stereo Level Fader/Slider
- Output Signal Level Indication
- BUS Audio Control, Sound Routing
- 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

#### What's in the Box:

- Wireless BT Studio Mixer
- Power Adapter Cable, 3-Pin

#### Wireless BT Streaming Connectivity:

- Hassle-Free Audio Streaming Ability
- Works with All of Today's Latest Devices (Smartphones, Tablets, Laptops, Computers, etc.)
- Wireless BT Network Name: 'KG-08A'
- Wireless BT Version: 2.0
- Wireless Range: 16.4' ft.

#### 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: 12-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
- Sold as: 1