



Intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



Intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

**CAUTION:** Risk of electrical shock — DO NOT OPEN!

**CAUTION:** To reduce the risk of electric shock, do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

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**WARNING:** To prevent electrical shock or fire hazard, do not expose this appliance to rain or moisture. Before using this appliance, read the operating guide for further warnings.



Este símbolo tiene el propósito, de alertar al usuario de la presencia de “(voltaje) peligroso” que no tiene aislamiento dentro de la caja del producto que puede tener una magnitud suficiente como para constituir riesgo de corrientazo.



Este símbolo tiene el propósito de alertar al usuario de la presencia de instrucciones importantes sobre la operación y mantenimiento en la literatura que viene con el producto.

**PRECAUCION:** Riesgo de corrientazo — ¡No abra!

**PRECAUCION:** Para disminuir el riesgo de corrientazo, no abra la cubierta. No hay piezas adentro que el usuario pueda reparar. Deje todo mantenimiento a los técnicos calificados.

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**ADVERTENCIA:** Para evitar corrientazos o peligro de incendio, no deje expuesto a la lluvia o humedad este aparato. Antes de usar este aparato, lea más advertencias en la guía de operación.



Ce symbole est utilisé pur indiquer à l'utilisateur la présence à l'intérieur de ce produit de tension non-isolée dangereuse pouvant être d'intensité suffisante pour constituer un risque de choc électrique.



Ce symbole est utilisé pour indiquer à l'utilisateur qu'il ou qu'elle trouvera d'importantes instructions sur l'utilisation et l'entretien (service) de l'appareil dans la littérature accompagnant le produit.

**ATTENTION:** Risques de choc électrique — NE PAS OUVRIR!

**ATTENTION:** Afin de réduire le risque de choc électrique, ne pas enlever le couvercle. Il ne se trouve à l'intérieur aucune pièce pouvant être réparée par l'utilisateur. Confier l'entretien à un personnel qualifié.

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**AVERTISSEMENT:** Afin de prévenir les risques de décharge électrique ou de feu, n'exposez pas cet appareil à la pluie ou à l'humidité. Avant d'utiliser cet appareil, lisez les avertissements supplémentaires situés dans le guide.



Dieses Symbol soll den Anwender vor unisolierten gefährlichen Spannungen innerhalb des Gehäuses warnen, die von Ausreichender Stärke sind, um einen elektrischen Schlag verursachen zu können.



Dieses Symbol soll den Benutzer auf wichtige Instruktionen in der Bedienungsanleitung aufmerksam machen, die Handhabung und Wartung des Produkts betreffen.

**VORSICHT:** Risiko — Elektrischer Schlag! Nicht öffnen!

**VORSICHT:** Um das Risiko eines elektrischen Schlages zu vermeiden, nicht die Abdeckung entfernen. Es befinden sich keine Teile darin, die vom Anwender repariert werden könnten. Reparaturen nur von qualifiziertem Fachpersonal durchführen lassen.

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**ACHTUNG:** Um einen elektrischen Schlag oder Feuergefahr zu vermeiden, sollte dieses Gerät nicht dem Regen oder Feuchtigkeit ausgesetzt werden. Vor Inbetriebnahme unbedingt die Bedienungsanleitung lesen.

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# XR® 1204 Powered Sound Reinforcement Mixing Console

## General Description:

Congratulations on your purchase of the XR® 1204, the finest example of state-of-the-art powered mixing consoles. In one compact package, we have included the feature set of 12 low noise discrete microphone preamps, 4 stereo input channels, a stereo equalizer/automatic feedback finder, digital reverb processor, 210 watt per channel stereo power amp, and world-famous Peavey ruggedness and reliability. You can feel confident that the XR 1204 powered console will meet your PA needs for many years to come.

To take advantage of the XR 1204's powerful features, please read this owner's manual carefully and keep it handy as a reference. This owner's manual includes several sections detailing individual areas of mixer operation, including: control functions, set-up, and applications in sound reinforcement.

The standard channels feature discrete low noise mic preamps with globally switched phantom power. Also featured are three-band EQs with a semi-parametric mid control. There are 4 auxiliary sends (two dedicated pre-EQ for monitor sends, 2 post-EQ/post-fader effect sends). The mute circuitry squelches the L and R bus as well as the monitor and effects sends on channels 5, 6, 7 and 8.

"Super" mic channels 7 and 8 also have pad and phase reverse switches for those applications that require it, as well as the standard channel functions. There are no line inputs on these channels.

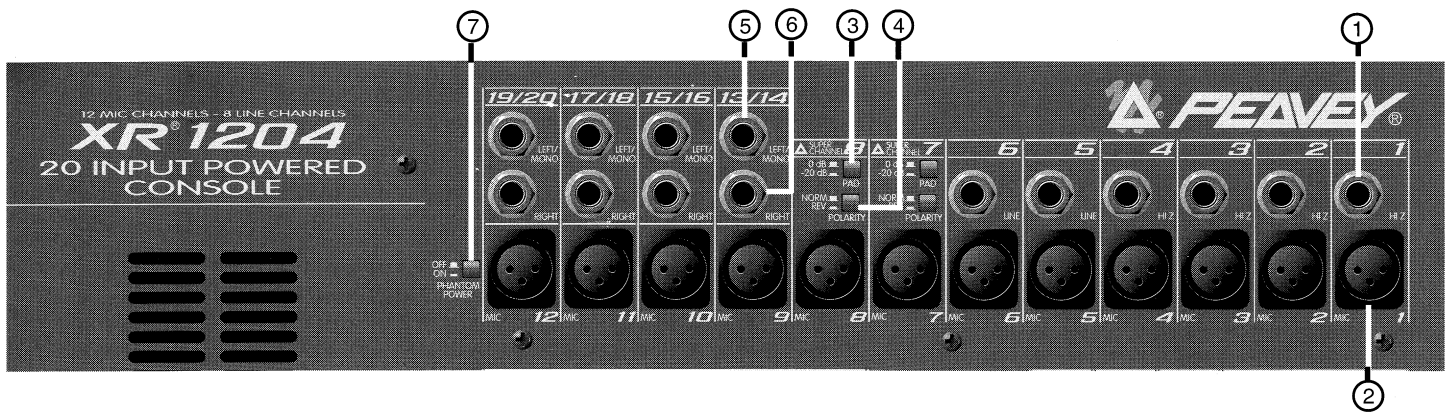
In addition to the four mic channels, there are four combination mono mic/line-level stereo channels for tape, CD, or synth inputs. Each of these four channels has all the standard channel functions, including a separate discrete low noise mic preamp. These channels feature a separate control for the mic input and line-level stereo inputs allowing them to be used simultaneously and independently. Also, the stereo line inputs on these channels can be selected to go through the channel to the L/R bus, or bypass the channel and feed directly to the L/R bus without EQ. The monitor sends on these channels are fed simultaneously by stereo line inputs and mic inputs. These four stereo line input channels can also double as fully equalized stereo effects returns with sends to the main L/R mix and the Mon 1 and 2 mixes as well as the Aux 1 and Digital Effects buses.

The Master section features a unique graphic equalizer/power amp mode switch. You can select to use the XR 1204 as a full stereo mixer amplifier (default) or a dual mono with one graphics and amplifier used for Monitor 1 and the other graphics and amplifier receiving a L and R (mono) signal, without patching the signal to each graphic equalizer and amplifier separately.

We have incorporated digital reverb into a processor that is included in the master section as the on-board digital signal processor. By including separate time and damping controls, the user can create many effect settings. All channels have a dedicated digital effects send routed directly to the DSP effects processor. All summing buses are designed for low noise operation.

The Left and Right graphics outputs each have LED meters. They are calibrated for a 0 dB reading at a 0 dBV output level. A balanced mono output (derived from the post fader Left and Right outputs) has its own level control. Each channel, master Mon 1, Mon 2, Aux and Effects send has an overload LED indicator that illuminates when the signal level is within 2 dB of clipping. Electronic muting of the Monitor 1 and 2, Aux and Effects and the Left and Right outputs greatly reduces any turn on and turn off transients.

**NOTES:** Do not restrict or block cooling vents on mixer rear or mixer bottom. They are necessary for adequate airflow/cooling of the amplifier. Place XR® 1204 on hard smooth surface only.



## CHANNEL INPUTS SECTION:

1. **1/4" INPUTS:** Channels 1-4 have high impedance 1/4" (TRS) mic inputs for use with sources such as high-impedance microphones and/or guitars. This input is wired in parallel with the mic input which is switched out of circuit when the 1/4" Hi-Z input is used. Channels 5 and 6 have balanced 1/4" (TRS) line-level inputs wired through a 20 dB pad to the MIC input for line level signals. The tip is the positive input as is pin 2 of the MIC input. As with Channel 1-4, Channels 5 and 6 do not allow for the simultaneous use of the line input (1/4") and MIC (XLR) input.
2. **MIC INPUT:** XLR balanced low-impedance channel input optimized for a microphone or other low-level source. Pin 2 is the positive input. Because of the wide range of gain adjustment, signal levels as high as +10 dBV (2.45 V RMS) can be accommodated. When the phantom power is enabled, this connector has +48V on pins 2 and 3 (pin 1 is ground reference).
3. **PAD:** Attenuates the input signal by 20 dB. This will increase the dynamic range to accommodate a higher input level before clipping, which may be necessary when close miking loud guitar amplifiers or drum kits.
4. **POLARITY:** Reverses the phase of the input signal. This will compensate for an out-of-phase input that would otherwise cause frequency cancellations in the mix. (Often needed for drum mics where both sides of the drum head are picked up in multiple mic situations.)
5. **LEFT/MONO INPUT:** High-impedance input for line-level signals. The left/mono input supplies signal to both the left and right inputs (if there is nothing inserted to the right input jack), then through the line-level control, then to the direct/EQ switch.
6. **RIGHT INPUT:** High-impedance input for line-level signals. The right input supplies signal to the right input, then through the line-level control, then to the direct/EQ switch.
7. **PHANTOM POWER SWITCH:** Applies 48 VDC voltage to all input XLR connectors to power microphones that require it.

**⚠ CAUTION!** When phantom power is switched on, make sure that any channel you are plugging a mic into is muted, and all Monitor and Auxes are at minimum. Otherwise, there will be a loud pop in the PA. This is normal. It is best to plug all mics into their respective channels with the phantom power switched off. This reduces noise in the PA and reduces the chances of the mic being damaged.

If phantom power is used, do not connect unbalanced dynamic microphones or other devices that cannot handle this voltage to the XLR inputs. (Some wireless receivers may be damaged; consult their manuals.) The line input jacks (# 1) are not connected to the phantom

