

1. INPUT LEVEL CONTROLS: Controls in the input level control for the corresponding channels.

2. MASTER LEVEL CONTROL: This controls the final output level before sending to the output connectors.

3. MASTER OUTPUT INDICATORS: The green LED above the Master level control will light up when the output signal exceeds -40dB indicating that a signal is present. The red LED indicator will light up when the output signal reaches high peaks with the potential of causing distortion. In the event the Peak LED lights up, Phonic suggests reducing the Master output level.

4. BASS CONTROL: Turning to the right will increase the response of low-frequency signals (100 Hz) in your main audio signal. Turning to the left will decrease the response of low-frequency signals.

5. TREBLE CONTROL: Turning to the right will increase the response of high-frequency signals (10 kHz) in your main audio signal. Turning to the left will decrease the response of high-frequency signals.

6. CHIME & ALERT TONES: These two buttons will send an alert or an announce tone through to the speakers. The alert button can also be used to activate a siren, the length of which will be 2 minutes and 30 seconds. Pushing the Alert button a second time will disengage the siren. The "announce" button will activate a 3 second "do mi so do" tone to indicate an announcement. Activating either of these tones will cut out all music and other input sources.

7. POWER BUTTON & INDICATOR: This button turns the GA mixer/amplifier on. When the unit is turned on, the LED indicator will illuminate to indicate as such. Be sure that the mixer amplifier is turned on after all other input sources.

8. INPUT AMP CONFIGURATION DIP SWITCHES: These DIP switches have a number of different functions. See reverse for details.

9. INPUT 1 TERMINAL: This is a 5-pin Phoenix-type connection with 3 pins for balanced input signals and 2 connectors for priority push-to-talk button connection. The input accepts direct connection of line or microphone inputs as selected by the mic/line DIP switch.

10. INPUT 1 VOX THRESHOLD CONTROL: This control adjusts the level at which the Input 1 signal should be before other signals are muted. This only works when the CH1 VOX DIP switch is turned on.

11. XLR INPUTS: Channel 2 on the GA6120 and GA6240 offers users with an XLR microphone input, ideal for input of microphones.

12. 1/4" INPUTS: The GA6120 and GA6240 offer unbalanced 1/4" phone jack input connectors input channels 2, 4 and 5.

13. 1/8" MINI-STEREO INPUTS: Channel 6 of the GA6120 and GA6240 also offers 1/8" mini-stereo input connectors, similar to those used on laptops, iPods and other MP3 players.

14. RCA INPUTS: These inputs accept stereo unbalanced line-level RCA input signals. The input signals received through these connectors are summed.

15. ZONE 2 / MOH OUTPUT AND CONTROL: This 4-pin Phoenix-type connector provides two different output possibilities. The 8 ohm side is for 1W output to external speakers, while the 600 ohm connectors are for connecting private branch exchange (PBX) telephone systems for on-hold music. For further info on wiring, see the Output Wiring section.

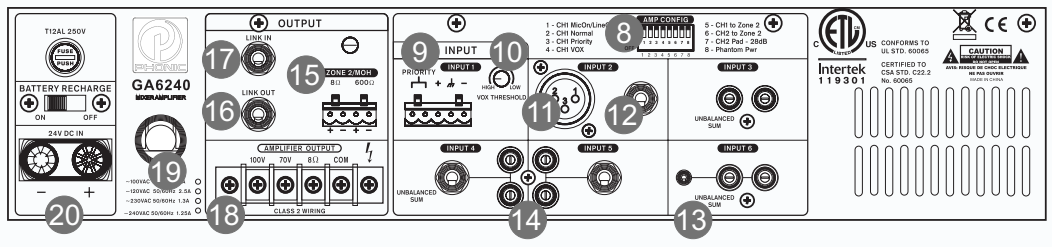
16. LINK OUTPUT: This unbalanced 1/4" phone jack output takes the pre-fader main output signal of the amplifier and sent it to external devices.

17. LINK INPUT: This unbalanced 1/4" phone jack input allows users to incorporate external signals directly into the main mix.

18. AMPLIFIER OUTPUT: Speakers can be connected to this output terminal. Connections available include COM (common), 70V, 100V and 8 ohms. These input connections can accept terminal forks up to 10 AWG. For further info on wiring, see the Output Wiring section.

19. POWER CABLE: The GA series' has a preinstalled power cable. Please connect the cable to a suitable AC power outlet. While the GA series offers a universal power supply, be sure to check local voltage levels before connecting the unit to ensure they correspond.

20. 24V BATTERY INPUT & CHARGING SWITCH: These banana-plate input connectors can be connected to the positive and negative terminals of a 24V DC power source. This allows the unit to function even in the vent of power outages. The switch located above these connections is used to activate and deactivate the charging circuit. It is advised not to leave the battery in charge mode when already fully charged.



DIP SWITCHES

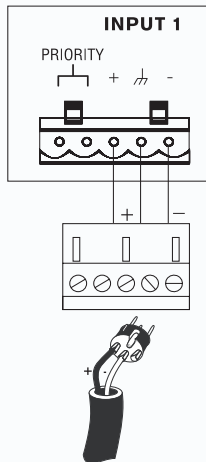
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| CH1 MicOn/LineOff | When set to Off, it allows line-level signal input through channel 1. When set to On, it allows microphone-level signals through channel 1. |
| CH1 Normal | This switch sets channel 1 to normal, with no priorities. |
| CH1 Priority | Enables muting of channels when priority circuit on input 1 is closed. Connect the priority connection on input 1 to microphone's push-to-talk function when this is activated. |
| CH1 VOX | Activating this switch allows automatic muting when channel 1 input passes the preset threshold. |
| CH1 to Zone 2 | Activating this switch sends the channel 1 input signal to the zone 2 output channel. |
| CH2 to Zone 2 | Activating this switch sends the channel 2 input signal to the zone 2 output. |
| CH2 PAD | Activating this switch will reduce the input signal level of channel 2 by 28 dB making it ideal for low-impedance devices. |
| Phantom Power | This switch activates phantom power to the input 1 input. Phantom power is required for use with condenser microphones. |

INPUT WIRING

Phonic recommends that customers use pre-built balanced line connectors with 22 to 24 gauge cable. Unbalanced connections could also be used however are susceptible to noise.

Priority Muting

Phonic' GA6120 and GA6240 mixer/amplifiers allow users to mute background signals in favour of the microphone/line input 1 signal. To use a microphone's push-to-talk contact switch, first connect the mic's push-to-talk contact switch to the priority connector of the Mic/Line input. Ensure the CH1 Normal DIP switch is set to OFF and the CH1 Priority DIP switch is set to ON. This enables users to mute all other signals when the microphone's push-to-talk button is engaged.



OUTPUT WIRING

Speakers

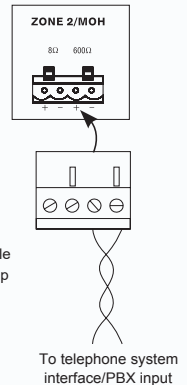
Output to speakers can be achieved by slipping cable lugs underneath the output screw terminals. Tighten screws to fasten in place. Customers may choose to use crimp-on spade lugs. Phonic recommends that customers use professionally wired high gauge cables. The plastic cover can be slid into place to protect connections. It is recommended that you insulate exposed wires to help prevent against the possibility of short-circuits. Class 2 wiring is required.

The **GA6120** offers **120 Watts** of power while the **GA6240** offers **240 Watts** (whether using 8 ohm or direct voltage 70V/100V output).

Zone 2 / MOH

External music sources can be sent over phone lines while a caller is on hold using the Phonic GA series. Connections can be completed as indicated below using either the 8 ohm or 600 ohm connections. Connect the Zone 2/MOH to your telephone system or PBX's music-on-hold input.

WARNING: Do not use shielded cable for output power wiring. Phonic recommends use of 2-conductor shielded cable and 3-pin Phoenix-type connectors for Preamp Line output.



INTERRUPTORES DIP

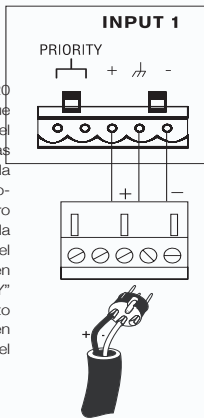
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| CH1 MicOn/LineOff | Cuando ajustado en OFF, permite que las señales de entrada de nivel lineal puedan transmitirse en el canal 1. Cuando este interruptor se ajusta en ON, las señales de micrófono podrán transmitirse en el canal 1. |
| CH1 Normal | Este interruptor ajusta el canal 1 a "Normal" es decir; sin ninguna característica prioritaria. |
| CH1 Priority | Permite el enmudecimiento de los canales cuando el cableado prioritario del canal 1 está cerrado. Conecte "CH1 Priority" a la función PPT (Presione-para-Hablar) del micrófono, cuando esa dicha función haya sido activada. |
| CH1 VOX | Cuando activado; este interruptor permite que la entrada del canal 1 este silenciada si esta pase el umbral preestablecido. |
| CH1 to Zone 2 | Cuando este interruptor está activado; la señal de entrada del canal 1 se envía al canal de salida de la zona 2. |
| CH2 to Zone 2 | Cuando este interruptor está activado; la señal de entrada del canal 2 se envía a la salida de la zona 2. |
| CH2 PAD | Si activado; este interruptor reducirá el nivel de la señal de entrada de canal 2 de 28dB; Este procedimiento permite que la señal sea ideal para los dispositivos de baja impedancia. |
| Phantom Power | Este interruptor activa la alimentación fantasma al puerto de entrada 1. La alimentación fantasma se utiliza para los micrófonos condensadores. |

CABLEADO DE ENTRADA

Phonic recomienda que los usuarios utilicen un conector lineal balanceado pre-integrado con un cable de calibre de 22 a 24. Las conexiones no balanceadas también se pueden utilizar sin embargo; estas conexiones son susceptibles de transmitir ruidos acústicos parásitos.

Silenciamiento prioritario (PRIORITY)

Los Mezcladores/Amplificadores GA6120 & GA6240 de Phonic permiten que las señales de micrófono (señales del puerto; Line input 1) sean prioritarias sobre las otras señales. Para utilizar la función; "Pulse-Para-Hablar (Push-To-Talk PTT)" de su micrófono, primero conectar, el conector prioritario PTT a la entrada Mic/Line. Asegúrese de que el interruptor "DIP Normal" este ajustado en OFF y el interruptor DIP "PRIORITY" este en ON. Este dicho procedimiento permitirá que todas las señales estén enmudecidas cuando la función del micrófono PTT este activada.



CABLEADO DE SALIDA

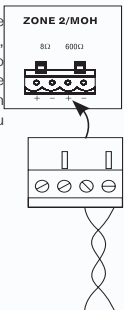
Altavoces

El envío de la salida a altavoces se puede lograr insertando los talones de los cables en los conectores a tornillos de salida. Apretar los tornillos de conexión. Los usuarios pueden elegir si así lo desean, conectores de pala. Phonic siempre recomienda que se utilice cables calibradores. La tapa de protección se puede entonces deslizar en su sitio para proteger la conexión de los cables. Adicionalmente recomendamos insular los cables que hayan quedado expuestos durante este procedimiento, esto ayudara a prevenir los cortes circuitos. Se requiere un cableado de clase 2.

El **GA6120** provee una potencia de **120 Vatios**, mientras que el **GA6240** provee una potencia de **240 Vatios** (Que utiliza 8 Ohmios o un Voltaje directo de salida de 70V/100).

Zone 2 / MOH

Con su mezclador/amplificador GA de Phonic; fuentes de música externas, pueden enviarse en su sistema telefónico mientras un cliente está en espera. Puede usted seguir las instrucciones de conexión como mostrado en el ejemplo puesto a su disposición a continuación. Puede utilizar 8 Ohmios o 600 Ohmios. Conecte la Zona 2/MOH a su sistema de teléfono o si así lo desea, el terminal de música de espera PBX.



A la interfaz del sistema telefónico/Entrada PBX

ADVERTENCIA: No utilicen simples cables blindados para el cableado de salida de potencia. System recomienda que utilice cables blindados de 2 conductores y con un conector Euroblock de 3 pines para su salida lineal Preamplificada.