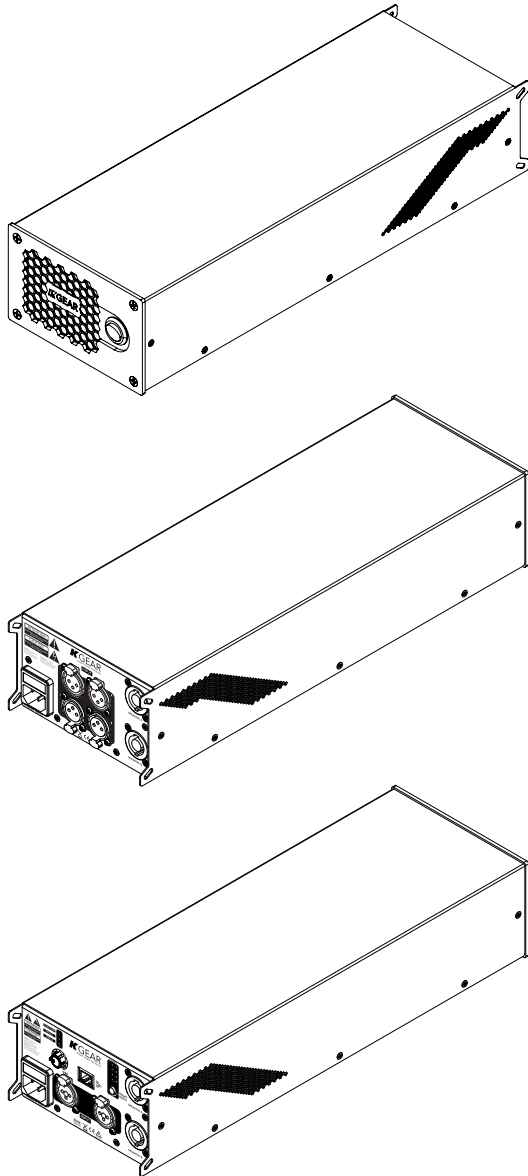




ENG • ESP



Thank you for choosing KGEAR!

To ensure proper operation, please carefully read this owner's manual and safety instruction before using the product.

After reading this manual, be sure to keep it for future reference.

Should you have any questions about your new device please contact K-array customer service at support@kgear.it or contact the local distributor in your country.

KGEAR amplifiers are professional 4-channel class D amplifier units designed for highly reliable applications where compactness and easy tuning are requested.

Two versions per model are available, both featuring Powersoft™ amp module: the DSP version with built-in digital signal processor, featuring two input channels and four speaker output channels, and the LITE version without DSP with four input and four output channels.

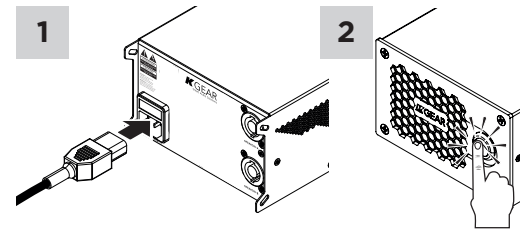
Unpacking

Each KGEAR device is inspected before leaving the factory. Upon arrival, carefully inspect the shipping carton, then examine and test your new device. If you find any damage, immediately notify the shipping company. Check that the following parts are supplied with the product:

- 1x Amplifier unit
- 1x Power cord

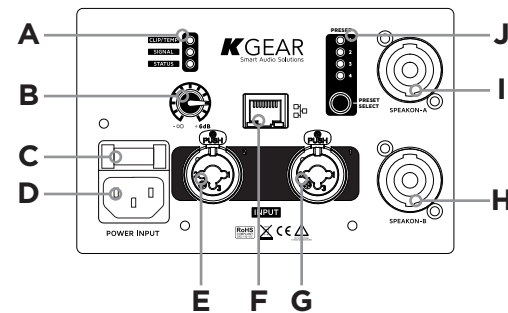
AC MAINS Supply

The AC Main connection is made via the provided power cord: before inserting the IEC C13 flying connector into the rear panel inlet, ensure that the main power switch in the front panel is off.



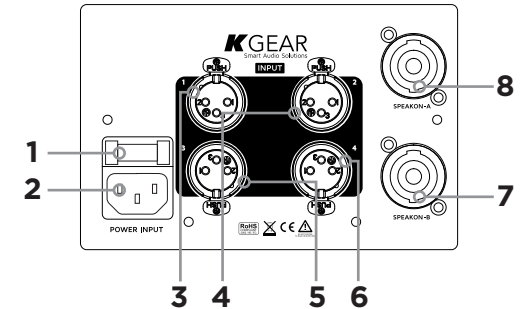
Rear Panel

Amplifiers With DSP



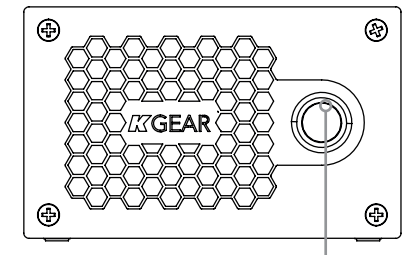
- A. Status LEDs
- B. Volume potentiometer
- C. AC MAINS fuse
- D. AC MAINS C13 inlet
- E. XLR Combo balanced input channel 2
- F. RJ45 Ethernet port
- G. XLR Combo balanced input channel 1
- H. NL4 SpeakON B speaker output 3 and 4
- I. NL4 SpeakON A speaker output 1 and 2
- J. DSP preset selector

Amplifiers Without DSP



- 1. AC MAINS fuse
- 2. AC MAINS C13 inlet
- 3. XLR balanced input channel 1
- 4. XLR balanced input channel 2
- 5. XLR balanced input channel 3
- 6. XLR balanced input channel 4
- 7. NL4 SpeakON B speaker output 3 and 4
- 8. NL4 SpeakON A speaker output 1 and 2

Front Panel



AC MAINS power switch

IMPORTANT SAFETY INSTRUCTIONS



CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN



ATTENTION: RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



This symbol alerts the user to the presence of recommendations about the product's use and maintenance.



The lighting flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated, dangerous voltage within the product enclosure that may be of magnitude to constitute a risk of electrical shock.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in this guide.



Operator's manual; operating instructions
This symbol identifies the operator's manual that relates to the operating instructions and indicates that the operating instructions should be considered when operating the device or control close to where the symbol is placed.



For indoor use only
This electrical equipment is designed primarily for indoor use.



WEEE
Please dispose of this product at the end of its operational lifetime by bringing it to your local collection point or recycling center for such equipment.



This device complies with Restriction of Hazardous Substances Directive.

General heed and warnings

- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not defeat the safety purpose of the polarized or grounding plug. A polarized plug has two blades with one wider than the other. A grounding plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Only use attachments/accessories specified by the manufacturer.
- Protect the power cord from being walked on or pinched particularly at the plugs, convenience receptacles, and at the point where they exit from the apparatus.
- Clean the product only with a soft and dry fabric. Never use liquid cleaning products, as this may damage the products cosmetic surfaces.
- Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Avoid placing the product in a location under direct sunlight or near any appliance that generates UV (Ultra Violet) light, as this may change the product surface finishing and cause a change in color.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

These apparatus are intended for professional use.

Installation and commissioning may only be carried out by qualified and authorized personnel.

- **CAUTION:** These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.
- **WARNING:** Only use attachments/accessories specified or provided by the manufacturer (such as the exclusive supply adapter, battery, etc.)
- Before turning the power on or off for all devices, set all volume levels to minimum.
- Use only speaker cables for connecting speakers to the speaker terminals. Be sure to observe the amplifier's rated load impedance particularly when connecting speakers in parallel. Connecting an impedance load outside the amplifier's rated range can damage the apparatus.
- KGEAR will not shoulder any responsibilities for products modified without prior authorization.

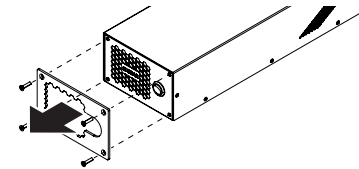
Installation

KGEAR amplifiers can be set stand alone or rack mounted with the dedicated G-RACK rack mount accessory.

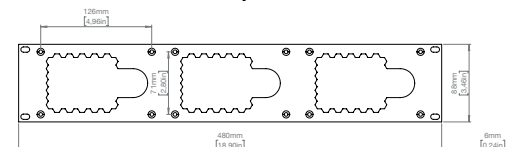
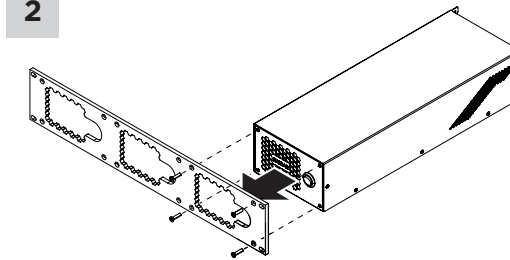
According to Table 35 of IEC/EN 62368-1:2018, equipments are suitable for mounting at heights ≤ 2 m.

Install in a well ventilated location at 35°C (95°F) max environment temperature.

1

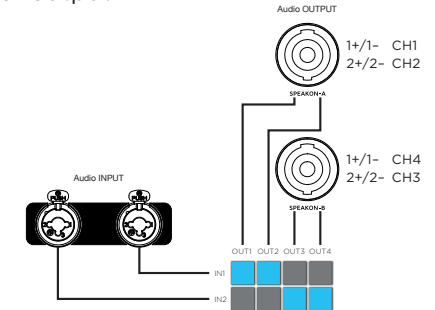


2



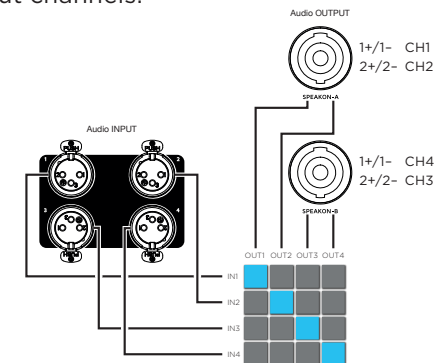
Wiring Amplifiers With DSP

The KGEAR GA41, GA43 and GA46 amplifiers implement a DSP allowing to route the two input channels to the four speaker output.

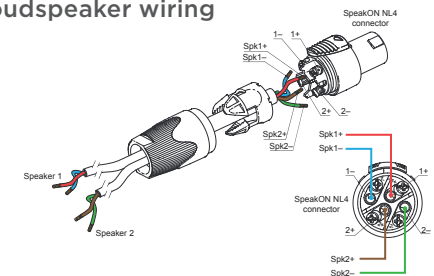


Amplifiers Without DSP

The KGEAR GA41L, GA43L and GA46L amplifiers are four-in/four-out units with direct routing of line input to the speaker output channels.



Loudspeaker wiring

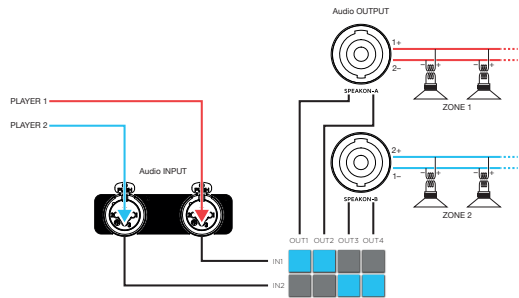


GA41(L) / GA43(L) / GA46(L)

V.1.5

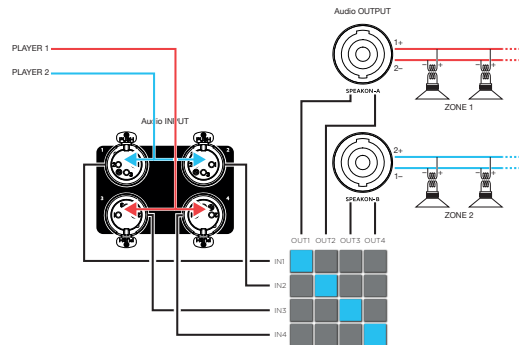
GA43 70V/100V wiring

Input	Routing	Connector	Wiring	Zone
CH1	OUT 1	SpeakON-A	BTL 1+ 2-	Zone 1
	OUT 2			
CH2	OUT 4	SpeakON-B	BTL 2+ 1-	Zone 2
	OUT 3			



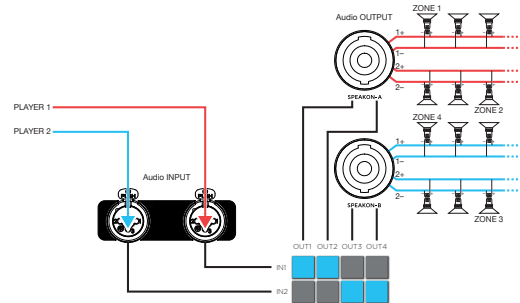
GA43L 70V/100V wiring

Input	Routing	Connector	Wiring	Zone
CH1	OUT 1	SpeakON-A	BTL 1+ 2-	Zone 1
CH2	OUT 2			
CH3	OUT 4	SpeakON-B	BTL 2+ 1-	Zone 2
CH4	OUT 3			



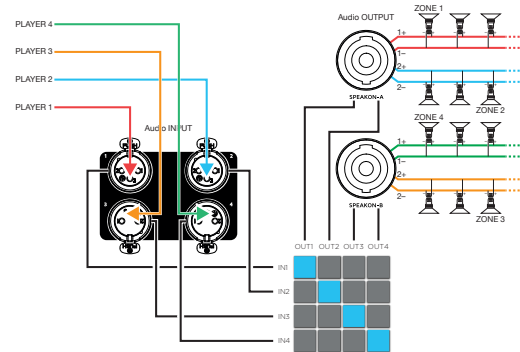
GA46 70V/100V wiring

Input	Routing	Connector	Wiring	Zone
CH1	OUT 1	SpeakON-A	SE 1+ 1-	Zone 1
	OUT 2		SE 2+ 2-	Zone 2
CH2	OUT 4	SpeakON-B	SE 1+ 1-	Zone 4
	OUT 3		SE 2+ 2-	Zone 3

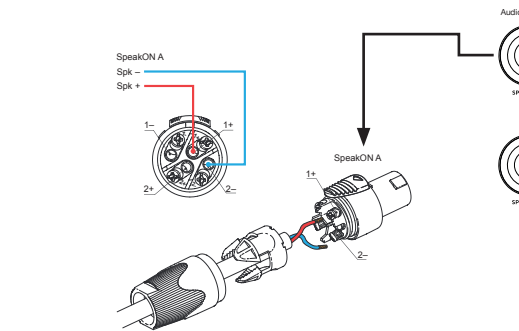


GA46L 70V/100V wiring

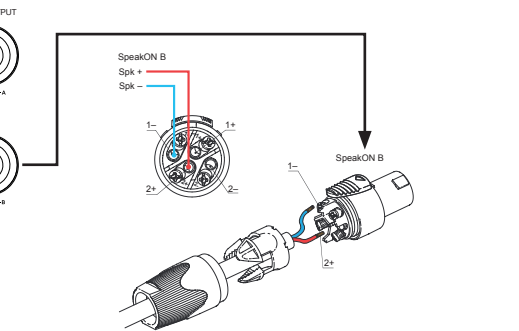
Input	Routing	Connector	Wiring	Zone
CH1	OUT 1	SpeakON-A	SE 1+ 1-	Zone 1
CH2	OUT 2		SE 2+ 2-	Zone 2
CH3	OUT 4	SpeakON-B	SE 1+ 1-	Zone 4
CH4	OUT 3		SE 2+ 2-	Zone 3



GA43 SpeakON-A BTL wiring



GA43 SpeakON-B BTL wiring



Loudspeaker connection acronyms

BTL: Bridge-Tied-Load

The loudspeaker is connected between two amplifier channels in order to double the voltage (four times the power). Each amplifier channel is loaded with half loudspeaker impedance.

SE: Single-Ended

The simplest and most common method to connect a loudspeaker to the amplifier channel terminals: one channel terminal feeds a varying voltage that represents the signal, while the other is connected to ground.

Service

To obtain service:

1. Please have the serial number(s) of the unit(s) available for reference.
2. Contact the official KGEAR distributor in your country: find the Distributors and Dealers list on www.kgear.it website. Please describe the problem clearly and completely to the Customer Service.
3. You will be contacted back for on-line servicing.
4. If the problem cannot be resolved over the phone, you may be required to send the unit in for service. In this instance, you will be provided with an RA (Return Authorization) number which should be included on all shipping documents and correspondence regarding the repair. Shipping charges are the responsibility of the purchaser.

Any attempt to modify or replace components of the device will invalidate your warranty. Service must be performed by an authorized K-array service center.

Cleaning

Use only a soft, dry cloth to clean the housing. Do not use any solvents, chemicals, or cleaning solutions containing alcohol, ammonia, or abrasives. Do not use any sprays near the product or allow liquids to spill into any openings.

GA41(L) / GA43(L) / GA46(L)

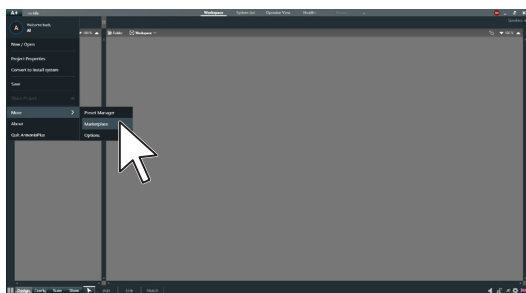
V.1.5

Remote Control With ArmoníaPlus

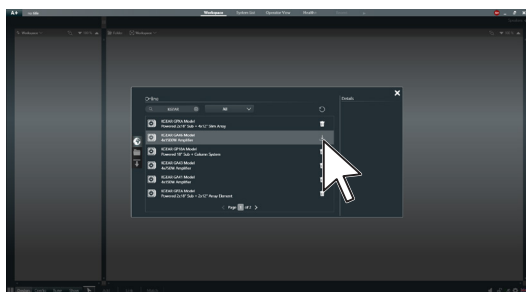
Amplifiers with DSP can be remote controlled and tuned with the ArmoníaPlus software over an Ethernet network.



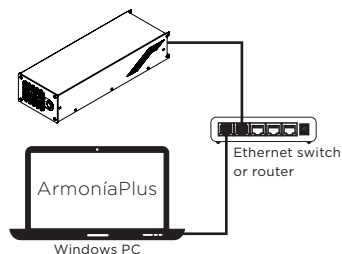
1. Download ArmoníaPlus from Powersoft website and install it on your PC.
2. Launch ArmoníaPlus.
3. Log-in with your ArmoníaPlus account.
4. The first time you launch ArmoníaPlus you need to download the KGEAR amplifiers presets from the ArmoníaPlus marketplace.



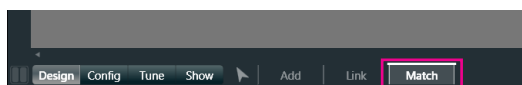
5. Insert «KGEAR» in the search field and add the support to the KGEAR devices you need.



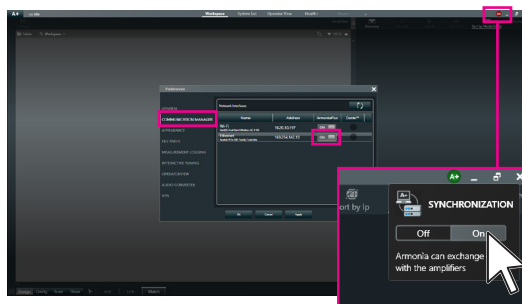
6. Connect the PC with ArmoníaPlus and your KGEAR device to the same local network.



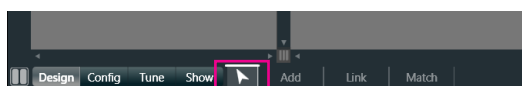
7. Click on the Match button in the bottom toolbar.



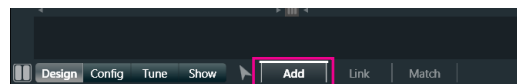
8. Check that the wired network interface is active and that the Synchronization mode is ON.



9. Click on the Discovery button.
10. Wait until ArmoníaPlus shows the device, then drag-and-drop the device from the right panel to the Workspace (left panel): the system takes few seconds to synchronize.
11. In order to access the device properties, select the pointer in the bottom toolbar and then double-click on the device in the Workspace.



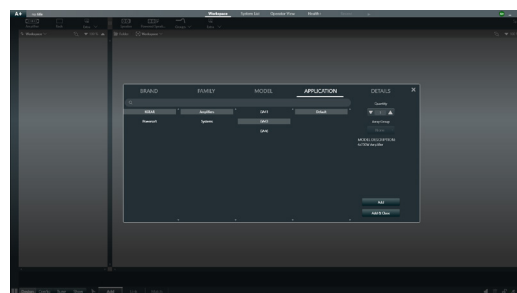
12. You can eventually work offline in «Design» mode: click on the Add button in the bottom toolbar.



13. In the top menubar, click on the button labeled «Powered Speaker» (we know, it's weird!).



14. In the new window select the Brand / Family / Model / Application according to your needs, then click on Add.



15. The device(s) will be added to the Workspace.

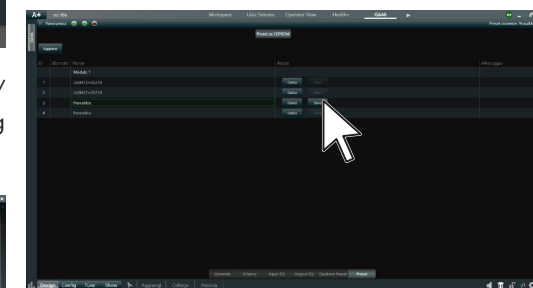
Setting Device Preset

The rear panel features four preset buttons that can be assigned to custom device preset.

A device preset includes the entire configuration of the four output channels and input equalization.

In order to customize the current device preset:

- A. connect the device to ArmoníaPlus;
- B. make your settings;



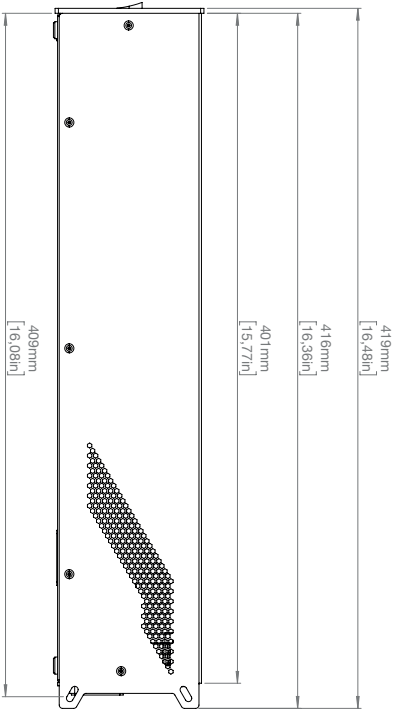
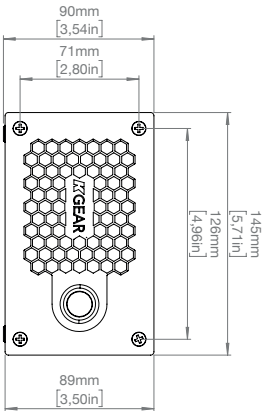
- C. go to the preset windows and click on the Save button: the current device configuration will override the previous settings.

GA41(L) / GA43(L) / GA46(L)

V.1.5



Mechanical Drawings

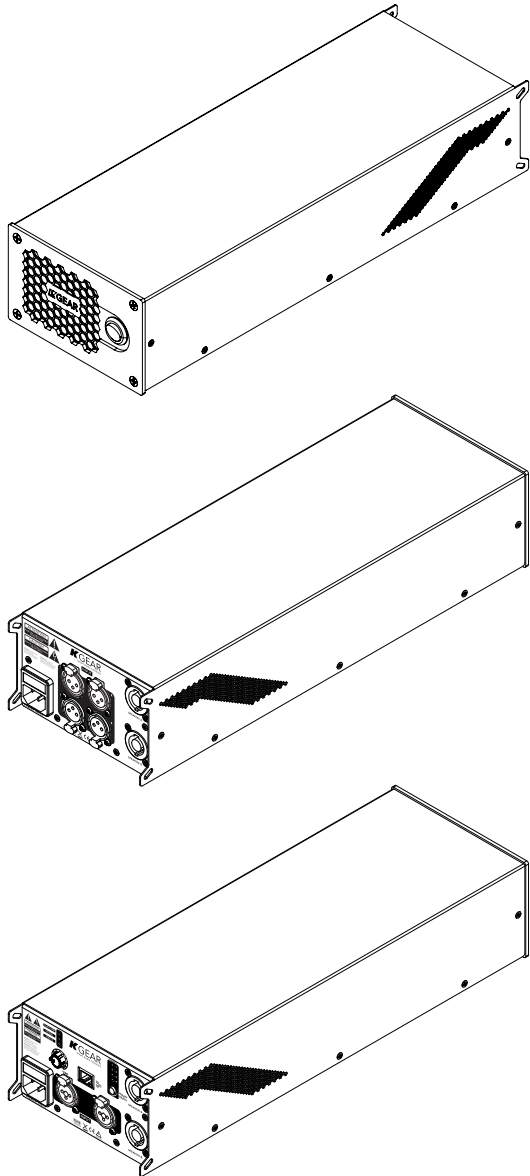


Technical Specifications

GA41(L)
Technical specifications
Type
4-ch Class D power amplifier
Output Power
4x 150 W _{peak} @ 4 Ω
Minimum Impedance
4 Ω
Frequency Response
20 Hz - 20 kHz
Power Consumption
2,2A @ 100 V _{AC} , 1A @ 240 V _{AC} , 110 W
Operating Voltage
100-240V AC, 50-60 Hz
Protections
Thermal protections (power limiting - thermal shutdown), short-circuit overload output protections, stationary high frequency protection
GA41 (with DSP)
DSP Features
Remote control and tuning, Input and Output Delay
Parametric input EQ, Output parametric filters
Connectors
RJ45 for remote control
2x Combo XLR Input
2x SpeakON Output
1x VDE (IEC C13) AC MAINS inlet
Local and Remote Controls
Volume potentiometer, Preset selector, Remote control through Powersoft ArmoniaPlus Software
GA41L (without DSP)
Connectors
4x XLR balanced Input
2x NL4 SpeakON Output
1x VDE (IEC C13) AC MAINS inlet
Handling & Finishes
Dimensions (WxLxH)
145 x 90 x 418 mm (5.7 x 3.54 x 16.5 in)
Weight
2,6 kg (5.7 lb)

GA43(L)
Technical specifications
Type
4-ch Class D power amplifier
Output Power
4x 750 W _{peak} @ 4 Ω
2x 1500 W _{peak} @ 70/100 V lines
Minimum Impedance
4 Ω
Frequency Response
20 Hz - 20 kHz
(150 Hz High-Pass filter for 70/100V lines suggested)
Power Consumption
6A @ 100 V _{AC} , 2,5A @ 240 V _{AC} , 600 W
Operating Voltage
100-240V AC, 50-60 Hz
Protections
Thermal protections (power limiting - thermal shutdown), short-circuit overload output protections, stationary high frequency protection
GA43 (with DSP)
DSP Features
Remote control and tuning, Input and Output Delay
Parametric input EQ, Output parametric filters
Connectors
RJ45 for remote control
2x Combo XLR Input
2x SpeakON Output
1x VDE (IEC C13) AC MAINS inlet
Local and Remote Controls
Volume potentiometer, Preset selector, Remote control through Powersoft ArmoniaPlus Software
GA43L (without DSP)
Connectors
4x XLR balanced Input
2x NL4 SpeakON Output
1x VDE (IEC C13) AC MAINS inlet
Handling & Finishes
Dimensions (WxLxH)
145 x 90 x 418 mm (5.7 x 3.54 x 16.5 in)
Weight
3,6 kg (7.94 lb)

GA46(L)
Technical specifications
Type
4-ch Class D power amplifier
Output Power
4x 1500 W _{peak} @ 4 Ω
4x 1500 W _{peak} @ 70V lines
4x 1500 W _{peak} @ 100 V lines (-2 dB max level)
Minimum Impedance
4 Ω
Frequency Response
20 Hz - 20 kHz
(150 Hz High-Pass filter for 70/100V lines suggested)
Power Consumption
6A @ 100 V _{AC} , 2,5A @ 240 V _{AC} , 600 W
Operating Voltage
100-240V AC, 50-60 Hz
Protections
Thermal protections (power limiting - thermal shutdown), short-circuit overload output protections, stationary high frequency protection
GA46 (with DSP)
DSP Features
Remote control and tuning, Input and Output Delay
Parametric input EQ, Output parametric filters
Connectors
RJ45 for remote control
2x Combo XLR Input
2x SpeakON Output
1x VDE (IEC C13) AC MAINS inlet
Local and Remote Controls
Volume potentiometer, Preset selector, Remote control through Powersoft ArmoniaPlus Software
GA46L (without DSP)
Connectors
4x XLR balanced Input
2x NL4 SpeakON Output
1x VDE (IEC C13) AC MAINS inlet
Handling & Finishes
Dimensions (WxLxH)
145 x 90 x 418 mm (5.7 x 3.54 x 16.5 in)
Weight
3,6 kg (7.94 lb)



¡Gracias por elegir KGEAR!

Para garantizar un funcionamiento correcto, lea atentamente este manual del propietario y las instrucciones de seguridad antes de utilizar el producto.

Después de leer este manual, asegúrese de guardarlo para futuras consultas.

Si tiene alguna pregunta sobre su nuevo aparato, póngase en contacto con el servicio de atención al cliente de K-array en support@kgear.it o con el distribuidor local de su país.

Los amplificadores KGEAR son amplificadores profesionales de 4 canales de clase D diseñados para aplicaciones de alta fiabilidad en las que se requiere compacidad y facilidad de ajuste.

Hay disponibles dos versiones por modelo, ambas con módulo de amplificador Powersoft™: la versión DSP con procesador de señal digital incorporado, que ofrece dos canales de entrada y cuatro canales de salida de altavoz, y la versión LITE sin DSP con cuatro canales de entrada y cuatro de salida.

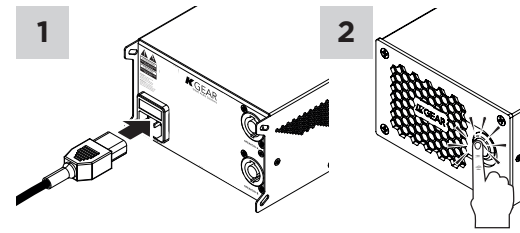
Desembalaje

Cada aparato KGEAR se inspecciona antes de salir de fábrica. A su llegada, inspeccione cuidadosamente la caja de envío y, a continuación, examine y pruebe su nuevo dispositivo. Si encuentra algún daño, notifíquelo inmediatamente a la empresa de transporte. Compruebe que las siguientes piezas se suministran con el producto:

- 1x Amplifier unit
- 1x Power cord

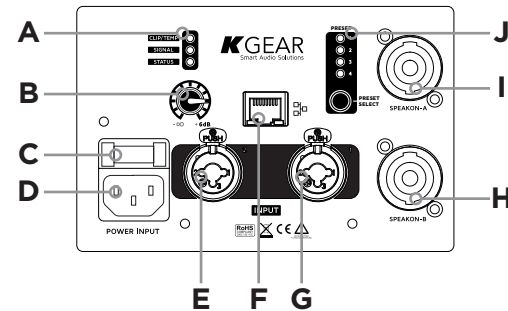
AC MAINS Supply

La conexión a la red de CA se realiza a través del cable de alimentación suministrado: antes de insertar el conector volante IEC C13 en la entrada del panel trasero, asegúrese de que el interruptor de alimentación principal del panel frontal está apagado.



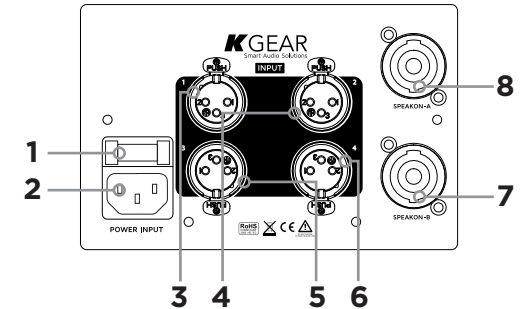
Panel trasero

Amplificadores con DSP



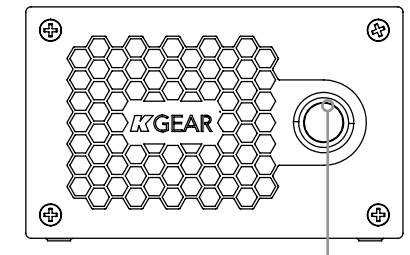
- A. Status LEDs
- B. Volume potentiometer
- C. AC MAINS fuse
- D. AC MAINS C13 inlet
- E. XLR Combo balanced input channel 2
- F. RJ45 Ethernet port
- G. XLR Combo balanced input channel 1
- H. NL4 SpeakON B speaker output 3 and 4
- I. NL4 SpeakON A speaker output 1 and 2
- J. DSP preset selector

Amplificadores sin DSP



1. AC MAINS fuse
2. AC MAINS C13 inlet
3. XLR balanced input channel 1
4. XLR balanced input channel 2
5. XLR balanced input channel 3
6. XLR balanced input channel 4
7. NL4 SpeakON B speaker output 3 and 4
8. NL4 SpeakON A speaker output 1 and 2

Panel frontal



AC MAINS power switch

IMPORTANT SAFETY INSTRUCTIONS

CAUTION
 RISK OF ELECTRIC SHOCK
 DO NOT OPEN

ATTENTION: RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIIR

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
 DO NOT REMOVE COVER (OR BACK).
 NO USER-SERVICEABLE PARTS INSIDE.
 REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.


Este símbolo alerta al usuario de la presencia de recomendaciones sobre el uso y mantenimiento del producto.



El símbolo del destello luminoso con punta de flecha dentro de un triángulo equilátero pretende alertar al usuario de la presencia de tensión peligrosa sin aislar dentro de la caja del producto que puede ser de una magnitud tal que constituya un riesgo de descarga eléctrica.



El signo de exclamación dentro de un triángulo equilátero pretende alertar al usuario de la presencia de importantes instrucciones de funcionamiento y mantenimiento (revisión) en esta guía.



Manual del operador; instrucciones de funcionamiento Este símbolo identifica el manual del operador que está relacionado con las instrucciones de funcionamiento e indica que deben tenerse en cuenta las instrucciones de funcionamiento cuando se maneje el aparato o el control cerca de donde está colocado el símbolo.



Sólo para uso en interiores Este equipo eléctrico está diseñado principalmente para uso en interiores.



RAEE Por favor, deseché este producto al final de su vida útil llevándolo a su punto de recogida local o centro de reciclaje para este tipo de aparatos.



Este aparato cumple con la Restricción de Sustancias Peligrosas.

General heed and warnings

- Lea estas instrucciones.
- Conserve estas instrucciones.
- Preste atención a todas las advertencias.
- Siga todas las instrucciones.
- No utilice este aparato cerca del agua.
- Limpíelo sólo con un paño seco.
- No bloquee ninguna abertura de ventilación. Instálelo de acuerdo con las instrucciones del fabricante.

- No lo instale cerca de fuentes de calor como como radiadores, rejillas de calefacción, estufas u otros aparatos (incluidos los amplificadores) que produzcan calor
- No anule el propósito de seguridad del enchufe polarizado o con toma de tierra. Un enchufe polarizado tiene dos clavijas, una más ancha que la otra. Un enchufe con toma de tierra tiene dos hojas y una tercera clavija de toma de tierra. La hoja ancha o la tercera clavija se proporcionan para su seguridad. Si el enchufe suministrado no encaja en su toma de corriente, consulte a un electricista para que sustituya la toma obsoleta.
- Utilice únicamente los accesorios especificados por el fabricante.
- Proteja el cable de alimentación para que no lo pisen ni lo pellizquen, especialmente en los enchufes, en las tomas de corriente y en el punto en el que salen del aparato. Limpie el producto únicamente con un tejido suave y seco.
- No utilice nunca productos de limpieza líquidos, ya que podrían dañar las superficies cosméticas del producto.
- Utilícelo sólo con el carro, soporte, trípode, abrazadera o mesa especificados por el fabricante o vendido con el aparato. Cuando se utilice un carrito utilice un carro, tenga cuidado al mover la combinación de aparato para evitar lesiones por vuelco.
- Desenchufe este aparato durante las tormentas eléctricas o cuando no vaya a utilizarlo durante largos periodos de tiempo.
- Evite colocar el producto en un lugar expuesto a la luz solar directa o cerca de cualquier aparato que genere luz ultravioleta (UV), ya que esto podría modificar el acabado de la superficie del producto y provocar un cambio de color.
- Remita todas las reparaciones a personal de servicio cualificado. Será necesario reparar el aparato cuando éste haya sufrido algún tipo de daño, como por ejemplo si el cable de alimentación o el enchufe están dañados, si se ha derramado líquido o han caído objetos dentro del aparato, si éste ha estado expuesto a la lluvia o a la humedad, si no funciona con normalidad o si se ha caído.

Estos aparatos están destinados a un uso profesional.

La instalación y la puesta en servicio sólo deben ser realizadas por personal cualificado y autorizado.

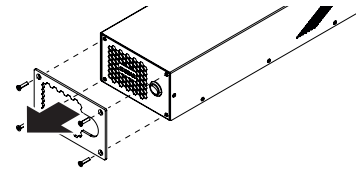
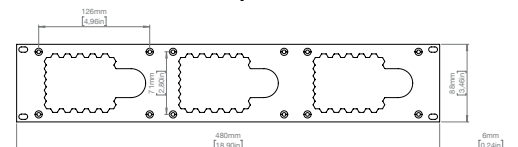
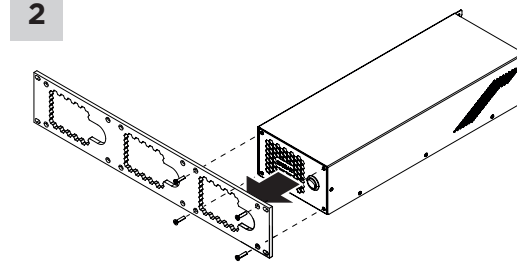
- - PRECAUCIÓN: Estas instrucciones de mantenimiento sólo deben ser utilizadas por personal cualificado. Para reducir el riesgo de descarga eléctrica, no realice ninguna tarea de mantenimiento distinta de las incluidas en las instrucciones de funcionamiento a menos que esté cualificado para ello.
- - ADVERTENCIA: Utilice únicamente los accesorios especificados o suministrados por el fabricante (como el adaptador de alimentación exclusivo, la batería, etc.).
- - Antes de encender o apagar todos los aparatos, ajuste todos los niveles de volumen al mínimo.
- - Utilice únicamente cables de altavoz para conectar los altavoces a los terminales de altavoz. Asegúrese de respetar la impedancia de carga nominal del amplificador, especialmente cuando conecte altavoces en paralelo. La conexión de una carga de impedancia fuera del rango nominal del amplificador puede dañar el aparato.
- - KGEAR no asumirá ninguna responsabilidad por los productos modificados sin autorización previa.

Installation

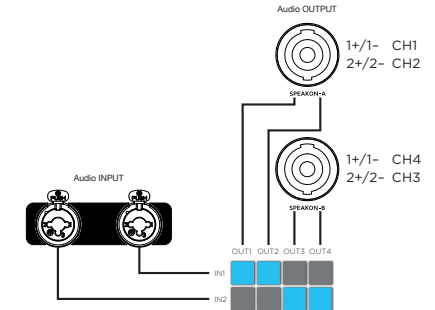
KGEAR amplifiers can be set stand alone or rack mounted with the dedicated G-RACK rack mount accessory.

According to Table 35 of IEC/EN 62368-1:2018, equipments are suitable for mounting at heights ≤ 2 m.

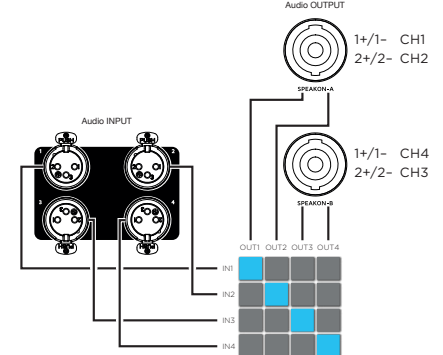
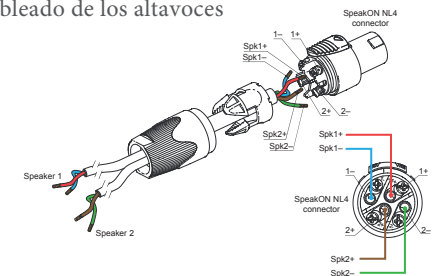
Install in a well ventilated location at 35°C (95°F) max environment temperature.

1

2

Cableado
Amplificadores con DSP

Los amplificadores KGEAR GA41, GA43 y GA46 implementan un DSP que permite encaminar los dos canales de entrada a la salida de cuatro altavoces.


Amplificadores sin DSP

Los amplificadores KGEAR GA41L, GA43L y GA46L son unidades de cuatro entradas/cuatro salidas con enrutamiento directo de la entrada de línea a los canales de salida de los altavoces.

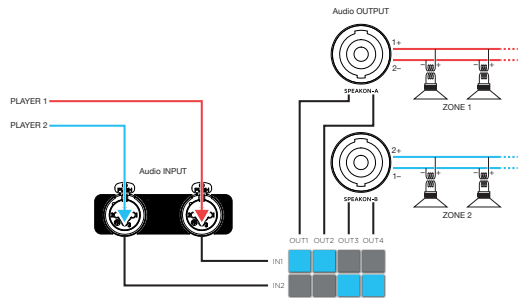

Cableado de los altavoces


Warning. Failure to follow these safety instructions could result in fire, shock or other injury or damage to the device or other property.

GA41(L) / GA43(L) / GA46(L)

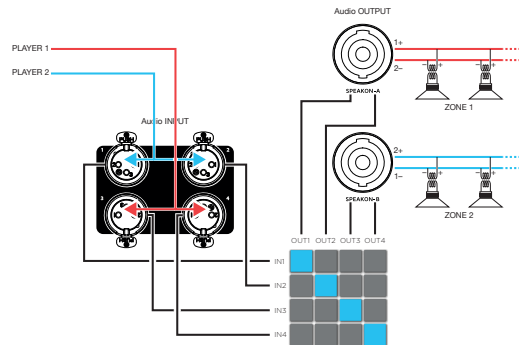
GA43 70V/100V cableado

Entrada	Ruteo	Conector	Cableado	Zona
CH1	OUT 1	SpeakON-A	BTL 1+ 2-	Zone 1
	OUT 2			
CH2	OUT 4	SpeakON-B	BTL 2+ 1-	Zone 2
	OUT 3			



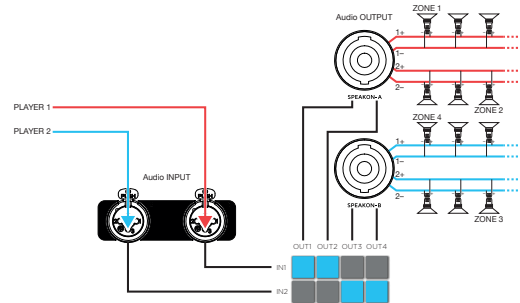
GA43L 70V/100V cableado

Entrada	Ruteo	Conector	Cableado	Zona
CH1	OUT 1	SpeakON-A	BTL 1+ 2-	Zone 1
CH2	OUT 2			
CH3	OUT 4	SpeakON-B	BTL 2+ 1-	Zone 2
CH4	OUT 3			



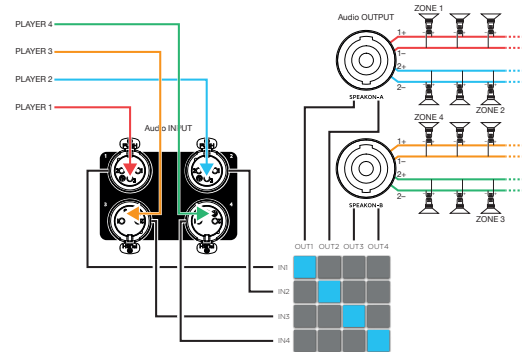
GA46 70V/100V cableado

Entrada	Ruteo	Conector	Cableado	Zona
CH1	OUT 1	SpeakON-A	SE 1+ 1-	Zone 1
	OUT 2		SE 2+ 2-	Zone 2
CH2	OUT 4	SpeakON-B	SE 1+ 1-	Zone 4
	OUT 3		SE 2+ 2-	Zone 3

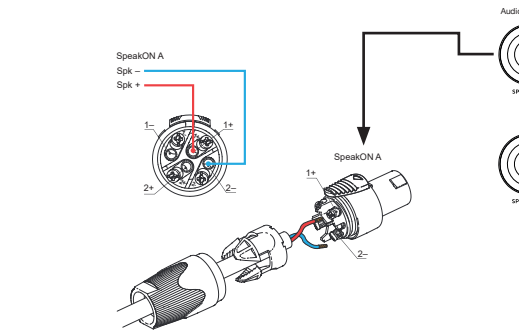


GA46L 70V/100V wiring

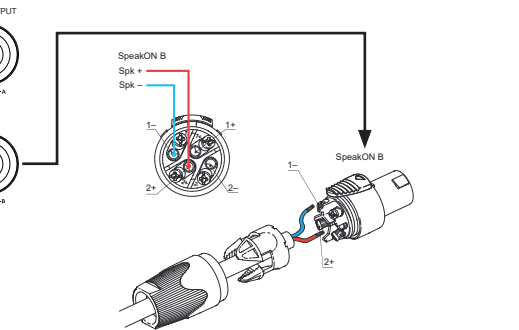
Entrada	Ruteo	Conector	Cableado	Zona
CH1	OUT 1	SpeakON-A	SE 1+ 1-	Zone 1
CH2	OUT 2		SE 2+ 2-	Zone 2
CH3	OUT 4	SpeakON-B	SE 1+ 1-	Zone 4
CH4	OUT 3		SE 2+ 2-	Zone 3



GA43 SpeakON-A BTL wiring



GA43 SpeakON-B BTL wiring



Loudspeaker connection acronyms

BTL: Bridge-Tied-Load

El altavoz se conecta entre dos canales de amplificación para duplicar la tensión (cuatro veces la potencia). Cada canal del amplificador se carga con la mitad de la impedancia del altavoz.

SE: Single-Ended

El método más sencillo y común para conectar un altavoz a los terminales del canal del amplificador: un terminal del canal alimenta una tensión variable que representa la señal, mientras que el otro se conecta a tierra.

Servicio

Para obtener el servicio:

1. Tenga a mano los números de serie de las unidades para poder consultarlos.
2. Póngase en contacto con el distribuidor oficial de KGEAR en su país: encontrará la lista de distribuidores y concesionarios en la página web www.kgear.it. Describa el problema de forma clara y completa al Servicio de Atención al Cliente.
3. Se pondrán en contacto con usted para realizar el mantenimiento en línea.
4. Si el problema no puede resolverse por teléfono, es posible que tenga que enviar la unidad para su reparación. En este caso, se le proporcionará un número RA (autorización de devolución) que deberá incluirse en todos los documentos de envío y en la correspondencia relativa a la reparación. Los gastos de envío correrán a cargo del comprador.

Cualquier intento de modificar o sustituir componentes del aparato invalidará su garantía. El servicio debe ser realizado por un centro de servicio autorizado de K-array.

Limpieza

Utilice únicamente un paño suave y seco para limpiar la carcasa. No utilice disolventes, productos químicos ni soluciones de limpieza que contengan alcohol, amoníaco o abrasivos. No utilice aerosoles cerca del producto ni permita que se derramen líquidos por ninguna abertura.

GA41(L) / GA43(L) / GA46(L)

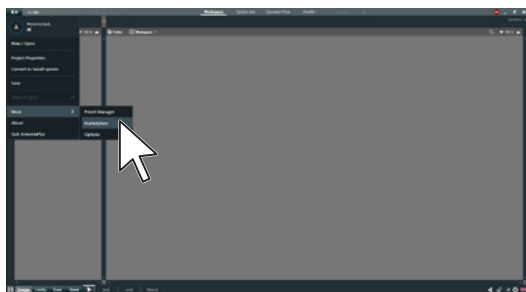
Mando a distancia con ArmoníaPlus

Los amplificadores con DSP pueden controlarse y sintonizarse a distancia con el software ArmoníaPlus a través de una red Ethernet.

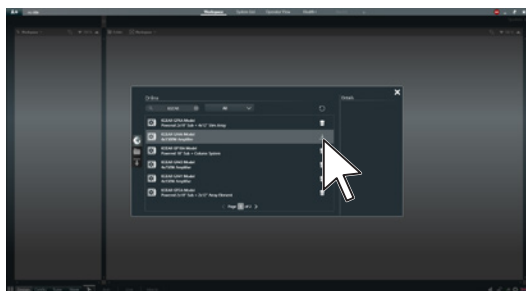
1. Descargue ArmoníaPlus de la página web de Powersoft e instálelo en su PC.



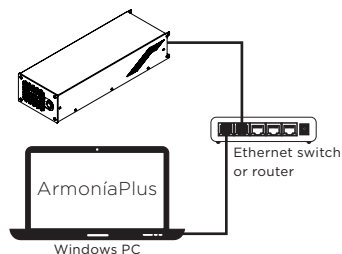
2. Inicie ArmoníaPlus.
3. Inicie sesión con su cuenta de ArmoníaPlus.
4. La primera vez que inicie ArmoníaPlus deberá descargar los preajustes de los amplificadores KGEAR del mercado de ArmoníaPlus.



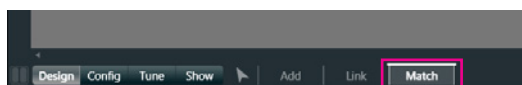
5. Introduzca "KGEAR" en el campo de búsqueda y añada el soporte a los dispositivos KGEAR que necesite.



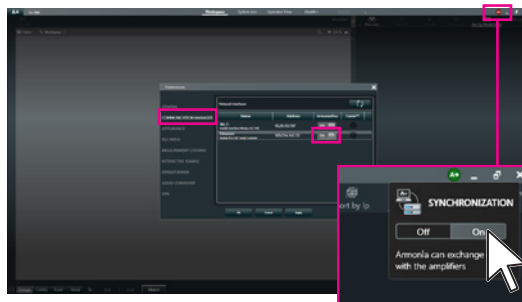
6. Conecte el PC con ArmoníaPlus y su dispositivo KGEAR a la misma red.



7. Pulse el botón Coincidir en la parte inferior de la barra de herramientas.



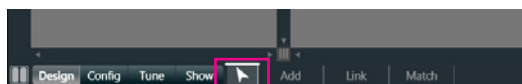
8. Compruebe que la interfaz de red cableada esté activa y que la sincronización esté activada.



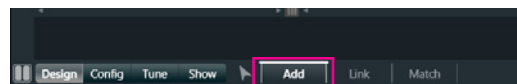
9. Pulse el botón Descubrir.

10. Espere a que ArmoníaPlus muestre el dispositivo y, a continuación, arrástrelo desde el panel derecho al Espacio de trabajo (panel izquierdo): el sistema tarda unos segundos en sincronizarse.

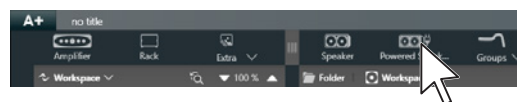
11. Para acceder a las propiedades del dispositivo, seleccione el puntero en la barra de herramientas inferior y, a continuación, haga doble clic en el dispositivo en el Espacio de trabajo.



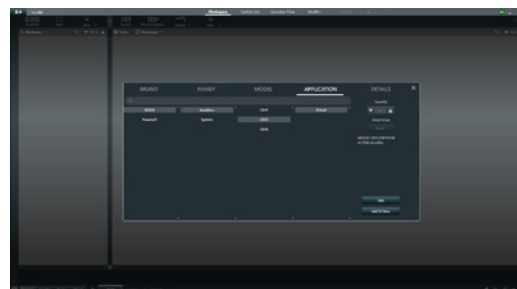
12. Eventualmente puede trabajar sin conexión en modo "Diseño": pulse el botón Añadir en la barra de herramientas inferior.



13. En la barra de menú superior, haga clic en el botón etiquetado como "Altavoz motorizado" (lo sabemos, es raro!).



14. En la nueva ventana seleccione la Marca / Familia / Modelo / Aplicación según a sus necesidades, y haga clic en Añadir.



15. El dispositivo o dispositivos se añadirán al Espacio de trabajo.

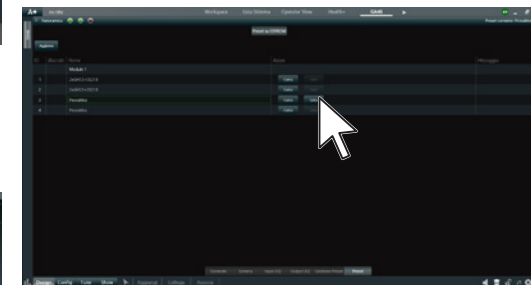
Ajuste del dispositivo preestablecido

El panel trasero cuenta con cuatro botones que se pueden asignar a preajuste de dispositivo.

Un preajuste de dispositivo incluye toda la configuración de los cuatro canales de salida y la equalización de entrada.

Para personalizar el dispositivo actual preajustado:

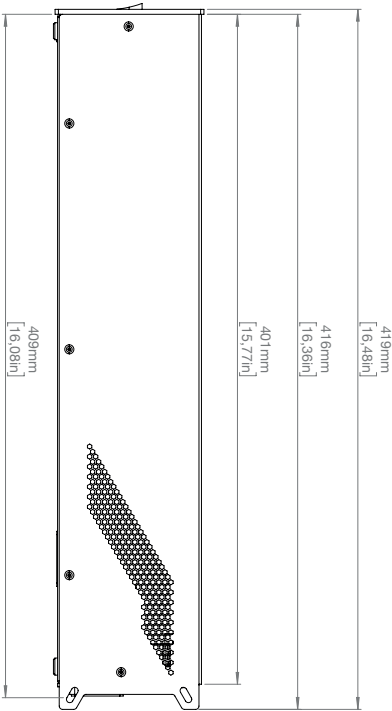
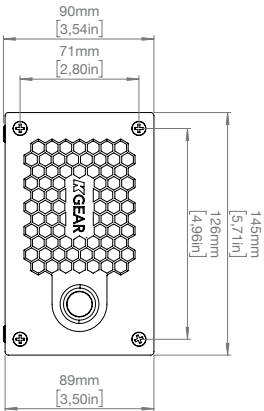
- A. conecte el dispositivo a ArmoníaPlus;
- B. realice sus ajustes;



- C. vaya a las ventanas de preajuste y pulse el botón Guardar: la configuración anulará los anteriores.

GA41(L) / GA43(L) / GA46(L)

Mechanical Drawings



Especificaciones técnicas

GA41(L)

Especificaciones técnicas
Type
4-ch Class D power amplifier
Output Power
4x 150 W _{peak} @ 4 Ω
Minimum Impedance
4 Ω
Frequency Response
20 Hz - 20 kHz
Power Consumption
2,2A @ 100 V _{AC} , 1A @ 240 V _{AC} , 110 W
Operating Voltage
100-240V AC, 50-60 Hz
Protections
Thermal protections (power limiting - thermal shutdown), short-circuit overload output protections, stationary high frequency protection
GA41 (with DSP)
DSP Features
Remote control and tuning, Input and Output Delay
Parametric input EQ, Output parametric filters
Connectors
RJ45 for remote control
2x Combo XLR Input
2x SpeakON Output
1x VDE (IEC C13) AC MAINS inlet
Local and Remote Controls
Volume potentiometer, Preset selector, Remote control through Powersoft ArmoniaPlus Software
GA41L (without DSP)
Connectors
4x XLR balanced Input
2x NL4 SpeakON Output
1x VDE (IEC C13) AC MAINS inlet
Handling & Finishes
Dimensions (WxLxH)
145 x 90 x 418 mm (5.7 x 3.54 x 16.5 in)
Weight
2,6 kg (5.7 lb)

GA43(L)

Especificaciones técnicas
Type
4-ch Class D power amplifier
Output Power
4x 750 W _{peak} @ 4 Ω
2x 1500 W _{peak} @ 70/100 V lines
Minimum Impedance
4 Ω
Frequency Response
20 Hz - 20 kHz
(150 Hz High-Pass filter for 70/100V lines suggested)
Power Consumption
6 A @ 100 V _{AC} , 2,5 A @ 240 V _{AC} , 600 W
Operating Voltage
100-240V AC, 50-60 Hz
Protections
Thermal protections (power limiting - thermal shutdown), short-circuit overload output protections, stationary high frequency protection
GA43 (with DSP)
DSP Features
Remote control and tuning, Input and Output Delay
Parametric input EQ, Output parametric filters
Connectors
RJ45 for remote control
2x Combo XLR Input
2x SpeakON Output
1x VDE (IEC C13) AC MAINS inlet
Local and Remote Controls
Volume potentiometer, Preset selector, Remote control through Powersoft ArmoniaPlus Software
GA43L (without DSP)
Connectors
4x XLR balanced Input
2x NL4 SpeakON Output
1x VDE (IEC C13) AC MAINS inlet
Handling & Finishes
Dimensions (WxLxH)
145 x 90 x 418 mm (5.7 x 3.54 x 16.5 in)
Weight
3,6 kg (7.94 lb)

GA46(L)

Especificaciones técnicas
Type
4-ch Class D power amplifier
Output Power
4x 1500 W _{peak} @ 4 Ω
4x 1500 W _{peak} @ 70V lines
4x 1500 W _{peak} @ 100 V lines (-2 dB max level)
Minimum Impedance
4 Ω
Frequency Response
20 Hz - 20 kHz
(150 Hz High-Pass filter for 70/100V lines suggested)
Power Consumption
6 A @ 100 V _{AC} , 2,5 A @ 240 V _{AC} , 600 W
Operating Voltage
100-240V AC, 50-60 Hz
Protections
Thermal protections (power limiting - thermal shutdown), short-circuit overload output protections, stationary high frequency protection
GA46 (with DSP)
DSP Features
Remote control and tuning, Input and Output Delay
Parametric input EQ, Output parametric filters
Connectors
RJ45 for remote control
2x Combo XLR Input
2x SpeakON Output
1x VDE (IEC C13) AC MAINS inlet
Local and Remote Controls
Volume potentiometer, Preset selector, Remote control through Powersoft ArmoniaPlus Software
GA46L (without DSP)
Connectors
4x XLR balanced Input
2x NL4 SpeakON Output
1x VDE (IEC C13) AC MAINS inlet
Handling & Finishes
Dimensions (WxLxH)
145 x 90 x 418 mm (5.7 x 3.54 x 16.5 in)
Weight
3,6 kg (7.94 lb)