



# MIXA

User Manual

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# Acknowledgments

EN

Thank you for choosing BAT.

Your trust in our commitment to sonic precision and purposeful design means the world to us. Each BAT product is the result of rigorous engineering, careful craftsmanship, and a relentless pursuit of acoustic clarity. We hope it brings richness and reliability to every sound you experience. Welcome to the BAT family.

FR

Merci d'avoir choisi BAT.

Votre confiance en notre engagement envers la précision sonore et le design réfléchi nous touche profondément. Chaque produit BAT est le fruit d'une ingénierie rigoureuse, d'un artisanat soigné et d'une quête incessante de clarté acoustique. Nous espérons qu'il apportera richesse et fiabilité à chaque son que vous vivrez. Bienvenue dans la famille BAT.

DE

Vielen Dank, dass Sie sich für BAT entschieden haben.

Ihr Vertrauen in unser Engagement für klangliche Präzision und durchdachtes Design bedeutet uns sehr viel. Jedes BAT-Produkt ist das Ergebnis rigoroser Ingenieurskunst, sorgfältiger Handwerkskunst und eines unermüdlichen Strebens nach akustischer Klarheit. Wir hoffen, dass es jedem Ihrer Klangerlebnisse Reichtum und Zuverlässigkeit verleiht. Willkommen in der BAT-Familie.

IT

Grazie per aver scelto BAT.

La sua fiducia nel nostro impegno per la precisione sonora e il design mirato è per noi di grande valore. Ogni prodotto BAT è il risultato di un'ingegneria rigorosa, di una lavorazione artigianale accurata e di una costante ricerca della chiarezza acustica. Ci auguriamo che porti ricchezza e affidabilità a ogni suono che ascolta. Benvenuto nella famiglia BAT.

JP

BAT をお選びいただきありがとうございます。

音の精度と意図的なデザインへの私たちの取り組みに対するあなたの信頼は、私たちにとって非常に重要です。BAT の各製品は、厳密なエンジニアリング、丁寧なクラフトマンシップ、そして音響の明瞭さへの絶え間ない追求の成果です。

それがあなたのすべての音の体験に豊かさや信頼性をもたらすことを願っています。BAT ファミリーへようこそ。

AR

شكرًا لاختيارك BAT.

إن ثقتك في التزامنا بالدقة الصوتية والتصميم المدروس تعني لنا الكثير. كل منتج من BAT هو نتيجة لهندسة دقيقة، وحرفية متقنة، وسعي لا يكل لتحقيق وضوح صوتي فائق. نأمل أن يضيف هذا المنتج ثراءً وموثوقية لكل تجربة استماع تخوضها. مرحبًا بك في عائلة BAT.

# Acknowledgments

## SP

Gracias por elegir BAT.

Su confianza en nuestro compromiso con la precisión sonora y el diseño intencionado significa mucho para nosotros. Cada producto de BAT es el resultado de una ingeniería rigurosa, una artesanía cuidadosa y una búsqueda incansable de claridad acústica. esperamos que aporte riqueza y fiabilidad a cada sonido que experimente. Bienvenido a la familia BAT.

## RU

Благодарим вас за выбор BAT.

Ваше доверие к нашему стремлению к звуковой точности и продуманному дизайну очень важно для нас. Каждый продукт BAT результат строгой инженерии, тщательного мастерства и неустанного стремления к акустической ясности.

Мы надеемся, что он принесет богатство и надежность в каждое ваше звуковое впечатление. Добро пожаловать в семью BAT.

## CN

感谢您 BAT。

您我在声音精度和有目的方面承的信任我意重大。每一款BAT品都是工程、精心工和音响清晰度不懈追求的晶。

我希望它能您的每一次聆听体来丰富和可靠。迎加入BAT大家庭。

## PT

Obrigado por escolher a BAT.

A sua confiança no nosso compromisso com a precisão sonora e o design intencional significa muito para nós. Cada produto BAT é o resultado de engenharia rigorosa, artesanato cuidadoso e uma busca incessante pela clareza acústica.

Esperamos que ele traga riqueza e confiabilidade a cada som que você experimente. Bem-vindo à família BAT.

## TR

BAT'ı seçtiğiniz için teşekkür ederiz.

Ses hassasiyeti ve amaçlı tasarıma olan bağlılığımıza duyduğunuz güven bizim için çok değerlidir. Her BAT ürünü, titiz mühendislik, özenli işçilik ve akustik netliğe yönelik amansız bir arayışın sonucudur.

Bu ürünün, yaşadığınız her ses deneyimine zenginlik ve güvenilirlik katmasını umuyoruz. BAT ailesine hoş geldiniz.

## HI

BAT चुनने के लिए धन्यवाद।

ध्वनि की सटीकता और उद्देश्यपूर्ण डिज़ाइन के प्रति हमारी प्रतिबद्धता में आपके विश्वास का हमारे लिए बहुत महत्व है। प्रत्येक BAT उत्पाद कठोर इंजीनियरिंग, सावधानीपूर्वक शिल्प कौशल और ध्वनिक स्पष्टता की निरंतर खोज का परिणाम है।

हमें आशा है कि यह आपके हर श्रवण अनुभव में समृद्धि और विश्वसनीयता लाएगा। BAT परिवार में आपका स्वागत है।

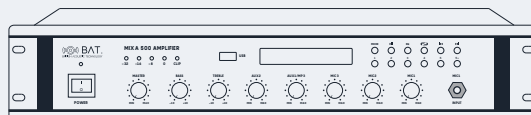
# What's in the Box?



User  
Manual



Remote  
Control



Your BAT MIXA Amplifier



Power  
Cable



Audio  
Cable

## Key Features

# MIXA Series



### Power, Clarity, Total Control.

The MIXA series is a versatile line of professional-grade mixer amplifiers designed for high-performance public address and background music systems. Combining clean sound amplification with built-in MP3 playback, FM radio, and Bluetooth options, these 2U rack-mount units deliver outstanding audio flexibility for a wide range of commercial and institutional environments. With power output ranging from 120W to 500W, the MIXA series supports both high-impedance (70V/100V) and low-impedance (4–16Ω) speaker systems, making it the ideal all-in-one solution for scalable audio installations.

### Sound You Can Trust, Performance You Can Feel.

Equipped with TOSHIBA transistors and pure copper toroidal transformers, the MIXA series delivers stable, distortion-free performance. It includes 3 MIC inputs, 2 AUX inputs, and 1 line output, with independent volume and tone controls. MIC1 offers priority muting, and built-in protections guard against overload, short circuit, and overheating.

### Hear the Difference Everywhere.

Designed for venues like restaurants, homes, hotels, sports arenas, boats, hospitals, transportation terminals, schools, places of worship, theaters and gyms, MIXA offers simple operation, flexible connectivity, and powerful output. Whether for announcements or background music, it ensures professional-grade sound with reliable control.

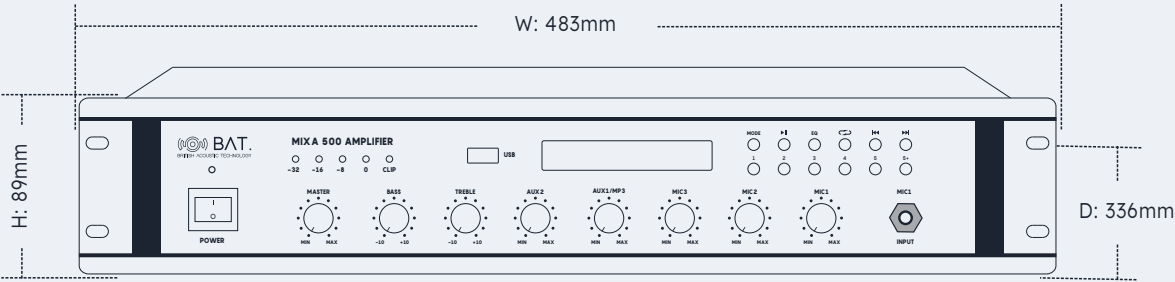
# Specs Sheet

Unit	MIXA120	MIXA240	MIXA350	MIXA500
Rated Power:	120W	240W	350W	500W
Output Terminals:	Voltage Line:	Voltage Line:	Voltage Line:	Voltage Line:
	70V (38 $\Omega$ )	70V (19 $\Omega$ )	70V (14 $\Omega$ )	70V (10 $\Omega$ )
	100V (77 $\Omega$ )	100V (39 $\Omega$ )	100V (28 $\Omega$ )	100V (20 $\Omega$ )
MIC Input:	MIC1 / MIC2 / MIC3:600 ( $\Omega$ ) 10-15 mV, Unbalanced			
LINE Input:	AUX1 / AUX2: 10k ( $\Omega$ ) 200-470 mV, Unbalanced			
AUX Output:	0.775V (0dB)			
Freq Response:	60Hz ~ 15kHz ( $\pm$ 3dB)			
THD:	<0.5% at 1kHz, 1/3 of Rated Power			
S/N:	Line: 85dB, MIC: >72dB			
Tone:	BASS: 100 Hz ( $\pm$ 10dB), TREBLE: 12kHz ( $\pm$ 10dB)			
Mute Sensitivity:	MIC1 Overrides MIC2, MIC3, AUX1, AUX2 with 0~30dB Attenuation			
Controls:	Volume Controls, Tone / Treble Control, Mute Control, Power Control			
Cooling Fan:	DC 12V FAN			
Indicator:	AC: 'POWER', Level: 2,4,6,8,10			
Protection:	AC FUSEx4A	AC FUSEx6A	AC FUSEx6A	AC FUSEx8A

# Specs Sheet

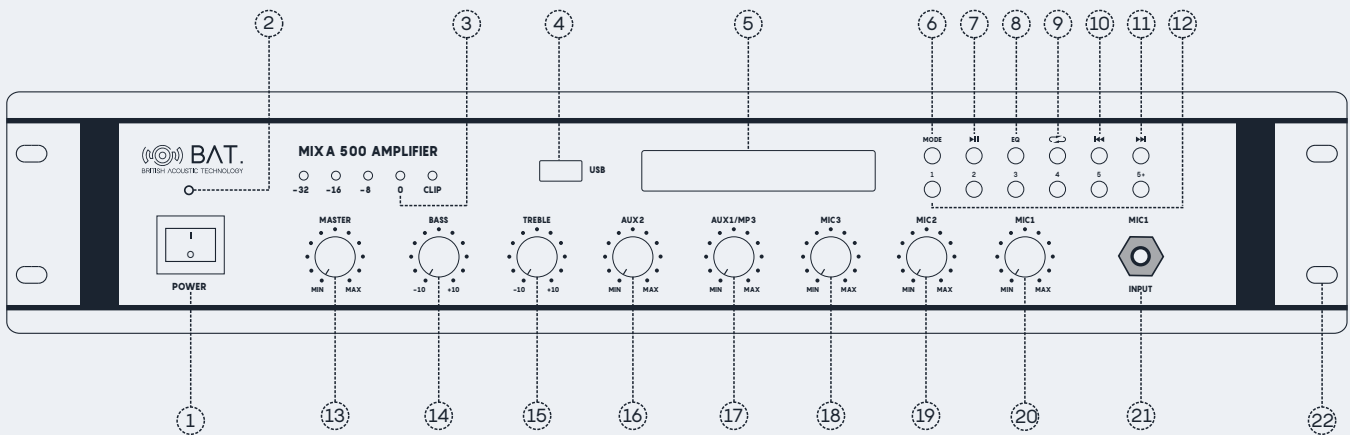
Unit	MIXA120	MIXA240	MIXA350	MIXA500
Power Cord:	(3x0.75mm2) x 1.5M (Standard)			
AC Power:	AC110V~120V, AC220V~240V 50-60Hz Optional			
Consumption:	175W	350W	485W	675W
Dimension (DxWxH):	366x483x89mm			
Packing Size:	435x520x185mm			
Net Weight:	11.36kg	13.68Kg	14.08Kg	15.58Kg
Gross Weight:	13.02Kg	15.32Kg	15.7Kg	17.2Kg

# Dimensions



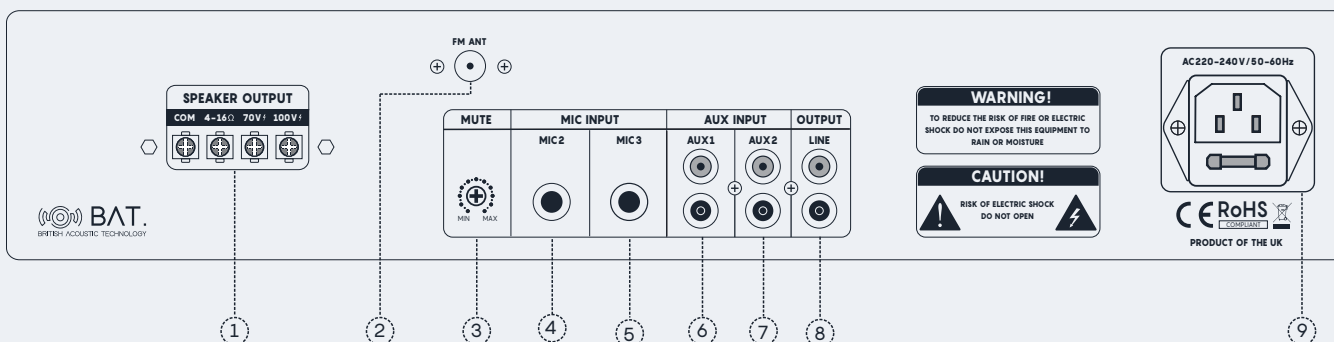


# Front Panel



1. **Power Switch** – Turns the unit on or off.
2. **Power Indicator** – Illuminates green when the unit is powered on.
3. **LED Level Meter** – Displays the output signal level.
4. **USB Port** – Allows playback from a USB flash drive.
5. **Screen** – Displays playback status and mode information.
6. **Mode Button** – Selects between FM tuner and USB playback modes.
7. **Play/Pause Button (USB/FM)**
  - USB Mode: Plays or pauses the current track.
  - FM Mode: Press briefly to activate APS (Auto Program Search) and store available FM stations.
8. **Stop Button (USB)**
  - Stops USB playback.
  - Pressing Play resumes from the last track.
9. **Repeat Button (USB)** – Toggles between repeat modes: RPT ONE and RPT ALL.
10. **Previous Button (USB/FM)** – Returns to the previous track or stored FM station.
11. **Next Button (USB/FM)** – Advances to the next track or stored FM station.
12. **Selection Buttons** – Navigate stored USB tracks or FM stations.
13. **Master Volume Control** – Adjusts the overall output volume.
14. **Bass Control** – Adjusts the low-frequency tone.
15. **Treble Control** – Adjusts the high-frequency tone.
16. **AUX2 Volume Control** – Controls volume for AUX2 input.
17. **AUX1/MP3 Volume Control** – Controls volume for AUX1 or MP3 input.
18. **MIC3 Volume Control** – Adjusts volume for MIC3 input.
19. **MIC2 Volume Control** – Adjusts volume for MIC2 input.
20. **MIC1 Volume Control** – Adjusts volume for MIC1 input.
21. **MIC1 Input Jack** – 1/4" jack for connecting a microphone.
22. **Rack Mounting Holes** – For secure installation in a standard equipment rack.

# Rear Panel



## 1. Speaker Output Terminals

- Do not use the 4-16Ω, 70V, and 100V terminals simultaneously.
- The indicated impedance values refer to the total connected speaker load.

## 2. FM Antenna Input

- Connect an external FM antenna for improved radio reception.

## 3. Mute Sensitivity Control

- Adjusts the threshold for activating MIC1 input priority.
- MIN: MIC1 overrides all other inputs (highest priority).
- MAX: MIC1 has no priority over other inputs.

## 4. Microphone 2 Input – For connecting a second microphone.

## 5. Microphone 3 Input – For connecting a third microphone.

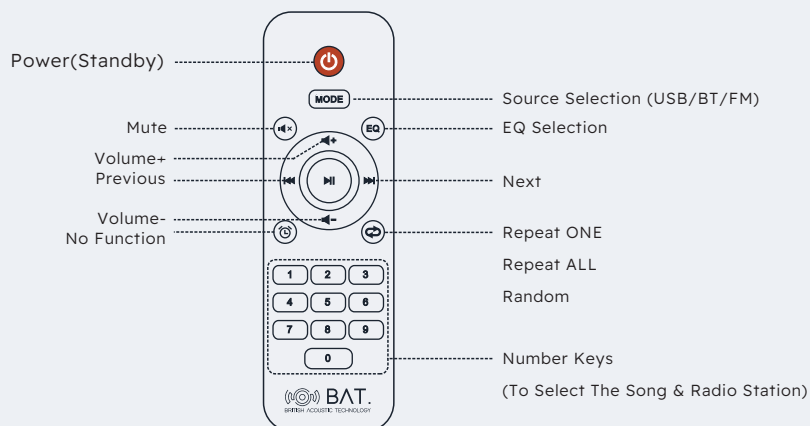
## 6. AUX1 Input – Line-level input for external audio sources.

## 7. AUX2 Input – Additional line-level input.

## 8. Audio Signal Output – Line-level output for connection to external amplifiers or recording devices.

## 9. AC Power Inlet – Connects to the main power supply.

# Remote Control



# Connection Guide



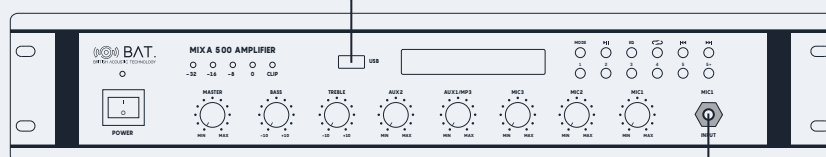
## Bluetooth Connection

The name "BGM SYSTEM" is shown on the mobile device for pairing.



USB Flash Disk

## Front Panel



## CD/DVD Player

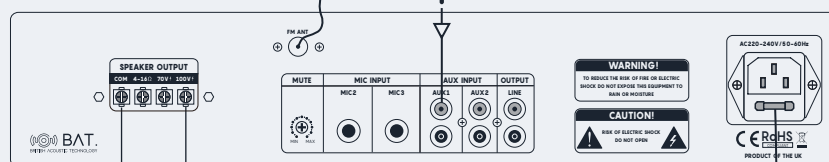


Microphone

## FM Antenna

RCA Jack

## Rear Panel



Speakers With 100V Line Input

AC Power Fuse

Fuse for protection against surges and short circuit, if the amplifier suddenly turns off and will not turn on, check the fuse and replace it if necessary.

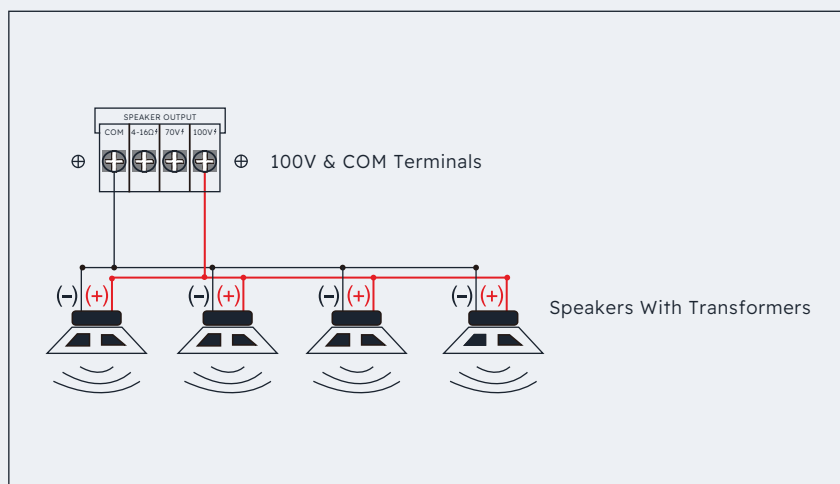
# Connection Guide

6

This amplifier has multiple loudspeaker outputs, including 100V, 70V, and low impedance (4–16Ω).

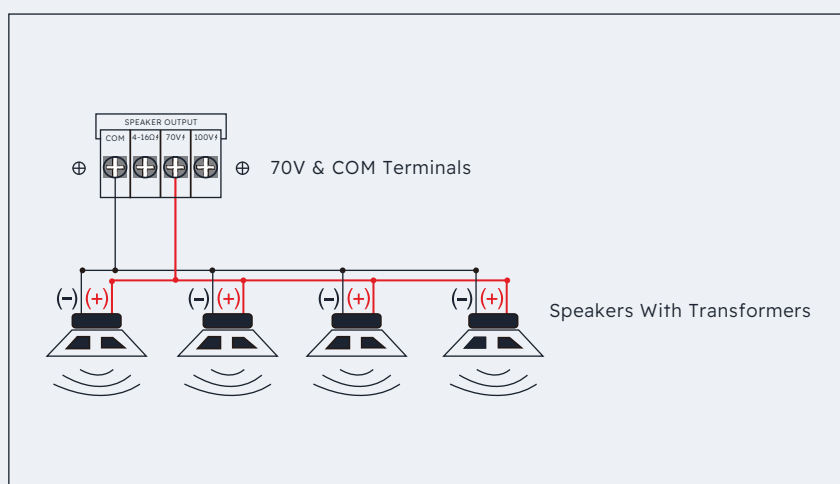
## 100V Line Output

Use only 100V line loudspeakers with transformers, connected in parallel. Ensure the total load does not exceed the amplifier's rated output, and limit usage to 70% of rated power for optimal performance with music sources.



## 70V Line Output

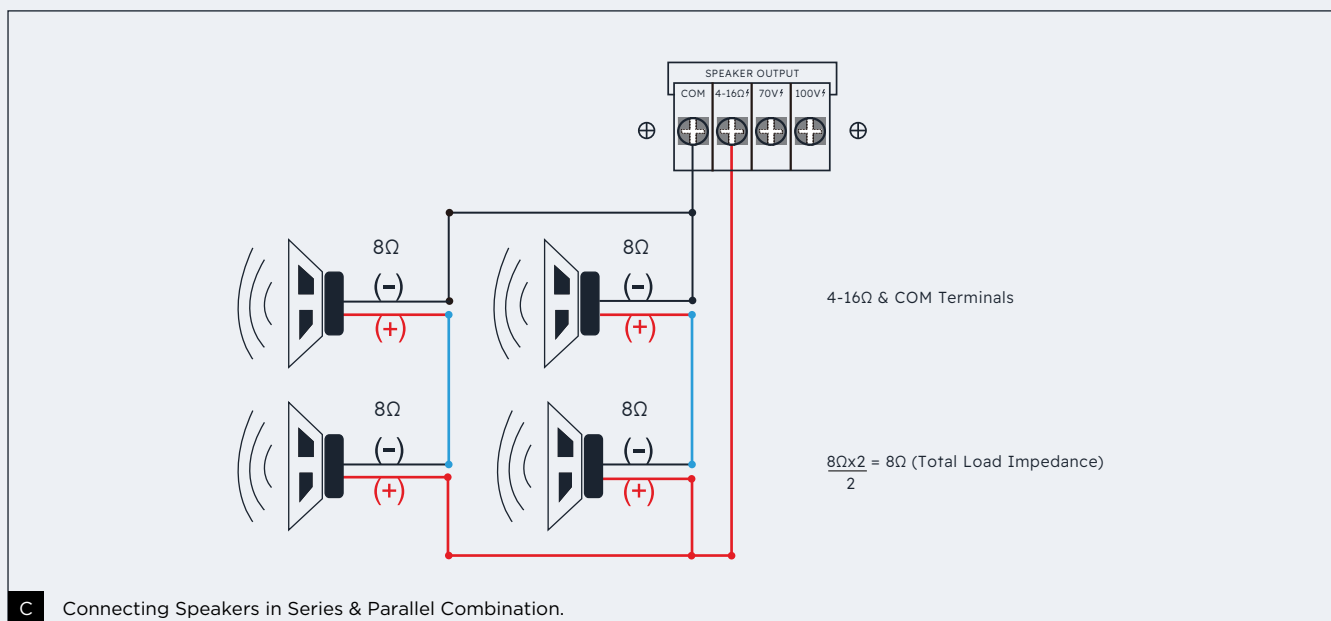
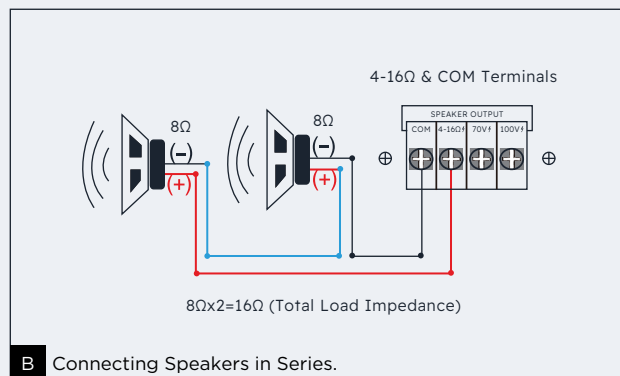
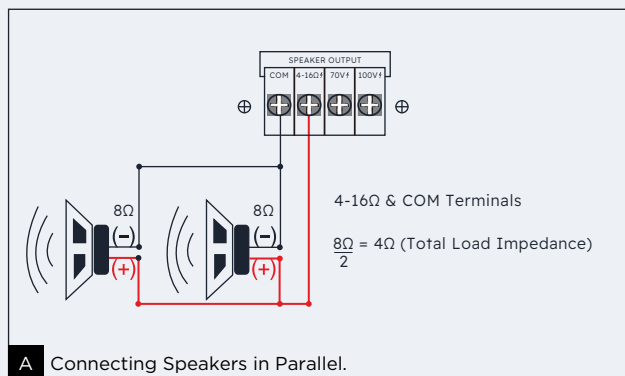
This system, commonly used in the USA, operates on the same principles as a 100V line system, but delivers 70V RMS at the amplifier's output terminals when operating at rated power.






# Connection Guide

## 4-16Ω Low Impedance Output

This output allows the connection of low-impedance loudspeakers without the need for transformers. When using multiple loudspeakers, ensure they are wired in series, parallel, or a series-parallel combination so that the total load impedance remains between 4Ω and 16Ω.



# Hazard/Warning Note

	<p>The exclamation mark in an equilateral triangle alerts users to important safety instructions in the user manual. Please read carefully.</p>	
<p>1. Read these instructions.</p> <p>2. Keep these instructions.</p> <p>3. Heed all warnings.</p> <p>4. Follow all instructions.</p> <p>5. Do not use this apparatus near water.</p> <p>6. Clean only with a dry cloth.</p> <p>7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.</p> <p>8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.</p> <p>9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.</p> <p>10. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.</p> 	<p>11. Only use attachments/accessories specified by BAT.</p> <p>12. 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.</p> <p>13. Unplug this apparatus during lightning storms or when unused for long periods of time.</p> <p>14. 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.</p> <p>15. Never introduce objects into the vents of the device. Doing so may contact high-voltage components or cause a short circuit, leading to fire or electric shock. Keep liquids away from the device.</p> <p>16. Do not attempt to repair this device yourself. Opening the device can expose you to high voltages and other risks. For all</p>	<p>maintenance or repairs, contact qualified professionals.</p> <p>17. Replacement Components: When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.</p> <p>18. Safety Check: Upon completion of any service or repairs to this device, ask the service technician to perform safety checks to determine that the device is in proper operating condition.</p> <p>19. This appliance shall not be exposed to dripping or splashing water and that no object filled with liquids, such as vases, shall be placed on the apparatus.</p> <p>20. In order to avoid damaging your hearing, do not listen to loudspeakers at high volumes for extended periods. Listening to speakers at high volumes can damage the user's ears and may lead to hearing problems.</p> <p>21. Exposure to excessive volumes (over 85dB) for more than one hour can cause irreparable damage to your hearing.</p> 

# Warranty

Your **BAT Amplifier** is accompanied by a separate warranty document outlining the specific terms and conditions of your coverage.

Please refer to this document for detailed information regarding the duration of the warranty, what is covered, and the process for making a claim. We recommend retaining your proof of purchase along with the warranty document for convenient reference. For any warranty-related inquiries, please contact your authorized BAT dealer or reach out to us directly using the contact information provided in this manual."

# Disclaimer

Information contained in this manual is subject to change without prior notice and does not represent a commitment on the part of the vendor. We shall not be liable for any loss or damages whatsoever arising from the use of information or any error contained in this manual.

It is recommended that all services and repairs on this product be carried out by us or its authorized dealer.

This product must only be used for the purpose it was intended by the manufacturer and in conjunction with this operating manual.

We cannot accept any liability whatsoever for any loss or damages caused by "service, maintenance or repair by unauthorized personnel" or by use other than that intended by the manufacturer.

# Contact Us

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