

MINIAMP GMA100



www.behringer.com

User Guide

Version 1.1 May 2006



MINIMAMP GMA100

IMPORTANT SAFETY INSTRUCTIONS:

GB

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 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.
- 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.
- 11) Only use attachments/accessories specified by the manufacturer.
- 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.
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 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.

1. INTRODUCTION





The MINIAMP GMA100 is a compact but powerful guitar amplifier. With this unit, you can adjust not only the volume of your electric guitar, but also the tone and level of distortion. And you can play privately—the GMA100 includes a headphone connector. For your convenience, the GMA100 can run on mains power (via a DC 9 V power adapter) or a 9 V battery.



1.1 Before you start

1.1.1 Shipment

Your GMA100 was carefully packed at the factory. Nevertheless, we recommend that you carefully examine the packaging and its contents for any signs of physical damage that may have occurred during transit.

-  **If the unit is damaged, please do NOT return it to BEHRINGER. Instead, notify your dealer and the shipping company immediately. Otherwise, claims for damage or replacement may not be honored.**
-  **Always use the original packing carton to prevent damage during storage or transport.**
-  **Make sure that no children are left unsupervised with the GMA100 or its packaging.**
-  **Please ensure proper disposal of all packing materials.**

1.1.2 Initial operation

Do not put the GMA100 on any equipment that generates intense heat, for example an amplifier. Ensure that the ventilation openings are not covered or blocked. Use only a safety-tested, certified 9 V adapter or a 9 V battery to power the device.

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1.1.3 Online registration



Please do remember to register your new BEHRINGER equipment right after your purchase by visiting www.behringer.com (alternatively www.behringer.de) and kindly read the terms and conditions of our warranty carefully.

Should your BEHRINGER product malfunction, our goal is to have it repaired as quickly as possible. To arrange for warranty service, please contact the retailer from whom the equipment was purchased. Should your BEHRINGER dealer not be located in your vicinity, you may directly contact one of our subsidiaries. Corresponding contact information is included in the original equipment packaging (Global Contact Information/European Contact Information). Should your country not be listed, please contact the distributor nearest you. A list of distributors can be found in the support area of our website (www.behringer.com/support).

Registering your purchase and equipment with us helps us process your repair claims quicker and more efficiently. Thank you for your cooperation!

2. CONTROL ELEMENTS AND CONNECTIONS

This chapter describes how to use the GMA100 and provides details about registering the GMA100. The following table describes what each section of this chapter covers:

This section	Introduces what you need to...
2.1 Control Elements	modify a guitar signal and monitor the status of the GMA100 (on or off)
2.2 Connectors	connect the GMA100 to a guitar, headphones, and mains power
2.3 Battery Compartment and Accessories	run the GMA100 on a battery and use the setup accessories
2.4 Serial Number	register the GMA100

2.1 Control elements

This section illustrates and provides descriptions of the GMA100 control elements that you need to:

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- ▲ modify a guitar signal
- ▲ monitor the status of the GMA100 (on or off)

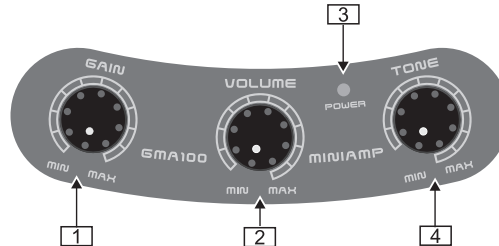



Fig. 2.1: The top of the GMA100

 **Before you connect a guitar to the GMA100 ([6]), turn the VOLUME ([2]) control to the minimum setting.**

[1] **GAIN** control:

To adjust the amount of signal distortion, turn this knob toward **min** (zero, no distortion) or, alternatively **max** (maximum distortion).

[2] **VOLUME** control:

To adjust the volume level of the GMA100, turn this control toward **min** (no volume) or, alternatively **max** (maximum volume).

[3] **POWER LED**:

As long as you supply power to the GMA100, this LED is illuminated. For details about:

▲ mains power, see 2.2 *Connectors*

▲ battery power, see 2.3 *Battery Compartment and Accessories*

[4] **TONE** control: To adjust the signal tone, turn this control toward **min** (bass) or, alternatively, **max** (treble).

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2.2 Connectors

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This section illustrates and provides descriptions of what you need to connect the GMA100 to:

- ▲ an electric guitar
- ▲ headphones
- ▲ mains power

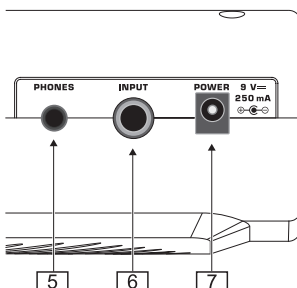


Fig 2.2: The side of the GMA100

5 PHONES connector:

To connect headphones to the GMA100 and mute the loudspeaker, use this 1/8" stereo connector.

High volume levels can overload headphones speakers, which create distortion. If this happens, reduce the VOLUME setting (2).

6 INPUT connector:

To connect an electric guitar to the GMA100, use this 1/4" TS connector (mono).

As long as a guitar is connected to the GMA100, the GMA100 consumes energy. When you do not use the GMA100 for prolonged periods of time, unplug your guitar from the INPUT connector.

7 DC 9 V connector:

To supply mains power to the GMA100, plug a DC 9 V power adapter in this connector. You can also power the GMA100 via a 9 V battery. For details, see 2.3 *Battery Compartment and Accessories*.



2.3 Battery compartment and accessories

This section illustrates and provides descriptions of the setup accessories and battery compartment.

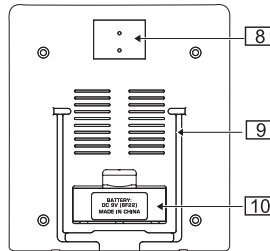


Fig. 2.3: The rear of the GMA100

- 8** *Belt Clip:* To hang the GMA100 from your belt or a wall fixture, use this hook.
- 9** *Stand:* When you set the GMA100 on a table or floor, pull out this stand. This stand stabilizes the GMA100 and directs the amplified sound upward.

10 *Battery compartment:*

To supply battery power to the GMA100, do the following:

1. Remove the cover from the battery compartment.
Inside the battery compartment, you find the 9 V battery connector.
2. Connect a 9 V battery to the 9 V connector.
3. Replace the cover on the battery compartment.

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2.4 Serial number



The serial number that uniquely identifies your GMA100 is located on the bottom of the unit. You need this number to register your GMA100. In most countries, register online at www.behringer.com. In Japan, fill out the warranty card that comes with your unit.

3. BASIC SETTINGS

The sounds that you create with the GMA100 depend on your playing style and guitar. To find the sounds you want, experiment with the GMA100. To help you get started, the following table identifies some basic GMA100 settings:

Setting	Description	GAIN	VOLUME	TONE
Clean 1	clear sound that is ideal for fingerpicking			
Clean 2	slightly soft, dull sound with a full bottom end, which is ideal for playing jazz and blues. For a rich, clean sound, use the pickups that are closest to the guitar neck. To create an open, bell-like sound, use two pickups at the same time.			
Crunch	the lightly distorted, short sound of rock guitar. For a very tight sound, use the pickups that are closest to the bridge.			
Lead	heavily distorted, sustained sound			

4. SPECIFICATIONS**INPUT**

Type 1/4" TS connector (mono)
Impedance approx. 500 k Ω

PHONES

Type 1/8" stereo connector
Impedance min. 32 Ω
Max. output level 85 mW

LOUDSPEAKER

Size 3" (approx. 76 mm)
Impedance 4 Ω
Power rating 5 W

POWER

Power amp output 2 W @ 4 Ω load
Power supply - External power supply: 9 V \equiv / min. 250 mA
- Battery: 9 V [type: 61 LR 61 (IEC) or 1604D (ANSI)]

Mains voltages
USA/Canada 120 V~, 60 Hz
China/Korea 220 V~, 50 Hz
U.K./Australia 240 V~, 50 Hz
Europe 230 V~, 50 Hz
Japan 100 V~, 50 - 60 Hz
Power consumption approx. 250 mA

DIMENSIONS/WEIGHT

Dimensions (H x W x D) approx. 6" x 5" x 2 1/2"
(approx. 155 mm x 130 mm x 65 mm)
Weight approx. 1 lb. (approx. 0.5 kg)

BEHRINGER is constantly striving to maintain the highest professional standards. As a result of these efforts, modifications may be made from time to time to existing products without prior notice. Specifications and appearance may differ from those listed or illustrated.

5. WARRANTY



§ 1 OTHER WARRANTY RIGHTS AND NATIONAL LAW

1. This warranty does not exclude or limit the buyer's statutory rights provided by national law, in particular, any such rights against the seller that arise from a legally effective purchase contract.
2. The warranty regulations mentioned herein are applicable unless they constitute an infringement of national warranty law.

§ 2 ONLINE REGISTRATION

Please do remember to register your new BEHRINGER equipment right after your purchase by visiting www.behringer.com (alternatively www.behringer.de) and kindly read the terms and conditions of our warranty carefully.

Registering your purchase and equipment with us helps us process your repair claims quicker and more efficiently.

Thank you for your cooperation!

§ 3 WARRANTY

1. BEHRINGER (BEHRINGER International GmbH including all BEHRINGER subsidiaries listed on the enclosed page, except BEHRINGER Japan) warrants the mechanical and electronic components of this product to be free of defects in material and workmanship for a period of one (1) year* from the original date of purchase, in accordance with the warranty regulations described below. If the product shows any defects within the specified warranty period that are not excluded from this warranty as described under § 5, BEHRINGER shall, at its discretion, either replace or repair the product using suitable new or reconditioned parts. In the case that other parts are used which constitute an improvement, BEHRINGER may, at its discretion, charge the customer for the additional cost of these parts.
2. If the warranty claim proves to be justified, the product will be returned to the user freight prepaid.
3. Warranty claims other than those indicated above are expressly excluded.

§ 4 RETURN AUTHORIZATION NUMBER

1. To obtain warranty service, the buyer (or his authorized dealer) must call BEHRINGER (see enclosed list) during normal business hours **BEFORE** returning the product. All inquiries must be accompanied by a

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description of the problem. BEHRINGER will then issue a return authorization number.

2. Subsequently, the product must be returned in its original shipping carton, together with the return authorization number to the address indicated by BEHRINGER.
3. Shipments without freight prepaid will not be accepted.



§ 5 WARRANTY REGULATIONS

1. Warranty services will be furnished only if the product is accompanied by a copy of the original retail dealer's invoice. Any product deemed eligible for repair or replacement under the terms of this warranty will be repaired or replaced.
2. If the product needs to be modified or adapted in order to comply with applicable technical or safety standards on a national or local level, in any country which is not the country for which the product was originally developed and manufactured, this modification/adaptation shall not be considered a defect in materials or workmanship. The warranty does not cover any such modification/adaptation, irrespective of whether it was carried out properly or not. Under the terms of this warranty, BEHRINGER shall not be held responsible for any cost resulting from such a modification/adaptation.
3. Free inspections and maintenance/repair work are expressly excluded from this warranty, in particular, if caused by improper handling of the product by the user. This also applies to defects caused by normal wear and tear, in particular, of faders, crossfaders, potentiometers, keys/buttons, tubes, guitar strings, illuminants and similar parts.
4. Damages/defects caused by the following conditions are not covered by this warranty:
 - ▲ improper handling, neglect or failure to operate the unit in compliance with the instructions given in BEHRINGER user or service manuals.
 - ▲ connection or operation of the unit in any way that does not comply with the technical or safety regulations applicable in the country where the product is used.
 - ▲ damages/defects caused by force majeure or any other condition that is beyond the control of BEHRINGER.
5. Any repair or opening of the unit carried out by unauthorized personnel (user included) will void the warranty.

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The logo consists of the letters 'GB' in a white, bold, sans-serif font, centered within a black circle. This circle is set against a black rectangular background.

6. If an inspection of the product by BEHRINGER shows that the defect in question is not covered by the warranty, the inspection costs are payable by the customer.

7. Products which do not meet the terms of this warranty will be repaired exclusively at the buyer's expense. BEHRINGER will inform the buyer of any such circumstance. If the buyer fails to submit a written repair order within 6 weeks after notification, BEHRINGER will return the unit C.O.D. with a separate invoice for freight and packing. Such costs will also be invoiced separately when the buyer has sent in a written repair order.

§ 6 WARRANTY TRANSFERABILITY

This warranty is extended exclusively to the original buyer (customer of retail dealer) and is not transferable to anyone who may subsequently purchase this product. No other person (retail dealer, etc.) shall be entitled to give any warranty promise on behalf of BEHRINGER.

§ 7 CLAIM FOR DAMAGES

Failure of BEHRINGER to provide proper warranty service shall not entitle the buyer to claim (consequential) damages. In no event shall the liability of BEHRINGER exceed the invoiced value of the product.

* Customers in the European Union please contact BEHRINGER Germany Support for further details.

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