

# User's Manual

Version 1.2 January 2001

Dear Customer,

Welcome to the team of ULTRASTACK users, and thank you very much for expressing your confidence in BEHRINGER products by purchasing the ULTRASTACK. Although it is really easy to hook up and operate the BG412H, we'd like to give you a concise description of this excellent speaker and its features in the following.

**The ULTRASTACK can produce extreme sound pressure levels. Please note that high SPLs do not only result in listening fatigue but can also permanently impair your hearing.**

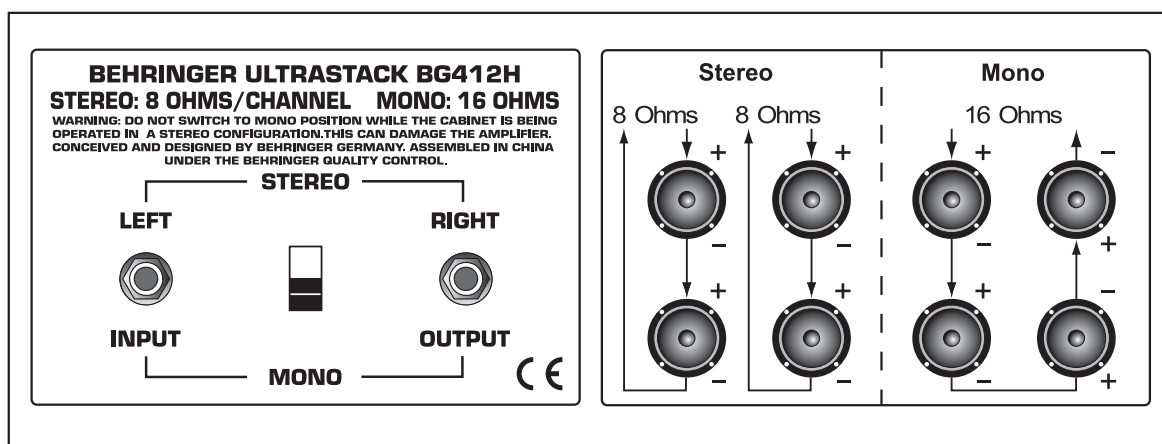
**Please mute the power amp before connecting the loudspeaker.**

**Never change the ULTRASTACK settings while the speaker is being driven, cause this could damage the power amp.**

▲ Set the ULTRASTACK to MONO to drive the BG412H from a single power amp. In this case, the speaker's impedance is 16 Ohms. When connecting the speaker to a tube power amp, please use the corresponding connector on your amp or set the impedance selector switch to 16 Ohms. Use the ULTRASTACK's INPUT jack to connect the speaker cable.

▲ Now connect BG412H and amplifier. Don't use guitar or similar cables, use speaker cables with a minimum diameter of 2.5 mm<sup>2</sup>. You need one cable for mono operation, and two cables for stereo.

▲ If you have two amplifiers or a stereo power amp, you can operate the BG412H in two-channel mode, by setting the ULTRASTACK to STEREO. Now the speaker's impedance is 2 \* 8 Ohms. To drive the BG412H from a tube amp, please take care to use the amp's proper connector. Connect the left channel of the power amp to LEFT, and the right channel to RIGHT.



Rear panel

Wiring

**Never operate a tube power amp without a load connected to it. If the impedance of the connected speaker fails to match the amplifier's impedance, only a fraction of the available power will be delivered to the speaker, which could lead to overloading of the output transformer. Please refer to the operating instructions accompanying your amplifier.**

## Specifications:

Speaker type:	4 Ohms, 100 Watts
Power rating (mono/stereo):	400 Watts / 2 * 200 Watts
Impedance (mono/stereo):	16 Ohms / 2 * 8 Ohms
Dimensions (W * H * D):	ca. 30 1/4" (770 mm) * 32 1/4" (820 mm) * 15" / 11 1/2" (380 / 290 mm)
Weight:	47 kg



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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.

# WARRANTY

## § 1 WARRANTY CARD/ONLINE REGISTRATION

To be protected by the extended warranty, the buyer must complete and return the enclosed warranty card within 14 days of the date of purchase to BEHRINGER Spezielle Studiotechnik GmbH, in accordance with the conditions stipulated in § 3. Failure to return the card in due time (date as per postmark) will void any extended warranty claims.

Based on the conditions herein, the buyer may also choose to use the online registration option via the Internet ([www.behringer.com](http://www.behringer.com)).

## § 2 WARRANTY

1. BEHRINGER (BEHRINGER Spezielle Studiotechnik 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 due to normal wear and tear and/or improper handling by the user, BEHRINGER shall, at its sole discretion, either repair or replace the product.

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.

## § 3 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 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.

## § 4 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 by BEHRINGER under the terms of this warranty will be repaired or replaced within 30 days of receipt of the product at BEHRINGER.

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, potentiometers, keys/buttons and similar parts.

4. Damages/defects caused by the following conditions are not covered by this warranty:

- ▲ misuse, 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.

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.

## § 5 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.

## § 6 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.

## § 7 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.

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