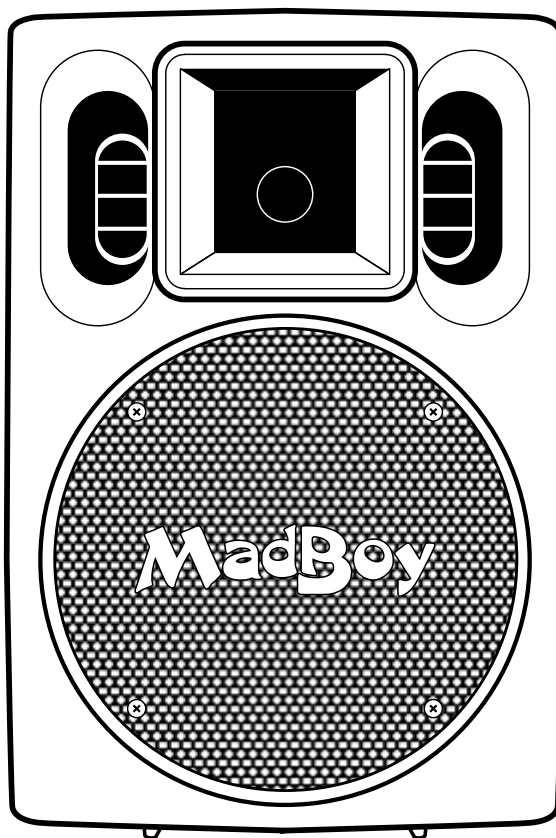


MadBoy®

BONEHEAD-208 **8" POWERED SPEAKER SYSTEM**



USER MANUAL

WWW.MADBOY-AUDIO.COM

Introduction

May we take this opportunity to thank you for purchasing this BONEHEAD-208 8" Powered Speaker system. We strongly recommend that you carefully study the Operating Instructions before attempting to operate the speakers and that you note the listed precaution.

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Safety Instructions



CAUTION RISK OF SHOCK



CAUTION: To reduce the risk of electric shock, do not remove cover (or back). No user-serviceable parts inside. Only refer servicing to qualified service personnel.

Explanation of Graphical Symbols



The lightning flash & arrowhead symbol, within an equilateral triangle, is intended to alert you to the presence of danger.



The exclamation point within an equilateral triangle is intended to alert you to the presence of important operating and servicing instructions.

WARNING

To reduce the risk of fire or electric shock, do not expose this unit to rain or moisture.

1. **Read Instructions**— All the safety and operating instructions should be read before the appliance is operated.
2. **Retain Instructions**— The safety and operating instructions should be retained for future reference.
3. **Heed Warnings**— All warnings on the appliance and in the operating instructions should be adhered to.
4. **Follow Instructions**— All operating and use instructions should be followed.
5. **Attachments**— Do not use attachments not recommended by the product manufacturer as they may cause hazards.
6. **Water and Moisture**— Do not use this unit near water. For example, near a bathtub or in a wet basement and the like.
7. **Carts and Stands**— The appliance should be used only with a cart or stand that is recommended by the manufacturer.
 - 7A. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause an overturn.
8. **Ventilation**— The appliance should be situated so its location does not interfere with its proper



ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation slots.

9. **Heat**— The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
10. **Power Sources**— The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
11. **Grounding or Polarization**— Precautions should be taken so that the grounding or polarization means of an appliance is not defeated.
12. **Power-Cord Protection**— Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
13. **Cleaning**— Unplug this unit from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
14. **Power lines**— An outdoor antenna should be located away from power lines.
15. **Nonuse Periods**— The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
16. **Object and Liquid Entry**— Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
17. **Damage Requiring Service**— The appliance should be serviced by qualified service personnel when:
 - A. The power supply cord or plug has been damaged; or
 - B. Objects have fallen into the appliance; or
 - C. The appliance has been exposed to rain; or
 - D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
 - E. The appliance has been dropped, or the enclosure damaged.
18. **Servicing**— The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

Note:

To CATV system installer's (U.S.A.): This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected as close to the point of cable entry as practical.

FCC INFORMATION (U.S.A.)

1. IMPORTANT NOTICE: DO NOT MODIFY THIS UNIT!: This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modifications not expressly approved by MadBoy may void your authority, granted by the FCC, to use this product.

2. IMPORTANT When connecting this product to accessories and/or another product use only high quality shielded cables. Cable(s) supplied with this product **MUST** be used. Follow all installation instructions. Failure to follow instructions could void your FCC authorization to use this product in the U.S.A.

3. NOTE: This product has been tested and found to comply with the requirements listed in FCC Regulations, Part 15 for Class "B" digital devices. Compliance with these requirements provides a reasonable level of assurances that your use of this product in a residential environment will not result in harmful interference with other electronic devices. This equipment generates/uses radio frequencies and, if not installed and used according to the instructions found in the owner's manual, may cause interference harmful to the operation of other electronic devices. Compliance with FCC regulations does not guarantee that interference will not occur in all installations. If this product is found to be the source of interference, which can be determined by turning the unit "Off" and "On", please try to eliminate the problem by using one of the following measures:

Relocate either this product or the device that is being affected by the interference.

Use power outlets that are on different branch (circuit breaker or fuse) circuits or install AC line filter(s).

In the case of radio or TV interference, relocate/reorient the antenna. If the antenna lead-in is 300-ohm ribbon lead, change the lead-in to coaxial type cable.

If these corrective measures do not produce satisfactory results, please contact your local retailer authorized to distribute Madboy products. If you can not locate the appropriate retailer, please contact, from our website: **www.madboy-audio.com** or to address: **MadBoy Audio International Oy, Aittatie 6, 96100 Rovaniemi, Finland.** Or by phone: **+358 40700 4848**

CAUTION

The apparatus is not disconnected from the AC power source so long as it is connected to the wall outlet, even if the apparatus itself is turned off. To fully insure that the apparatus is indeed fully void if residual power, leave unit disconnected from the AC outlet for at least fifteen seconds.

CAUTION:

READ THIS BEFORE OPERATING YOUR UNIT

1. To ensure the finest performance, please read this manual carefully. Keep it in a safe place for future reference.

2. Install your unit in a cool, dry, clean place - away from windows, heat sources, and too much vibration, dust, moisture or cold. Avoid sources of hum (transformers, v motors). To prevent fire or electrical shock, do not expose to rain and water.

3. Do not operate the unit upside-down.

4. Never open the cabinet. If a foreign object drops into the set, contact your dealer.

5. Place the unit in a location with adequate air circulation. Do not interfere with its proper ventilation; this will cause the internal temperature to rise and may result in a failure.

6. Do not use force on switches, knobs or cords. When moving the unit, first turn the unit off. Then gently disconnect the power plug and the cords connecting to other equipment. Never pull the cord itself.

7. Do not attempt to clean the unit with chemical solvents: this might damage the finish. Use a clean, dry cloth.

8. Be sure to read the "Troubleshooting" section on common operating errors before concluding that your unit is faulty.

9. This unit consumes a fair amount of power even when the power switch is turned off. We recommend that you unplug the power cord from the wall outlet if the unit is not going to be used for a long time. This will save electricity and help prevent fire hazards. To disconnect the cord, pull it out by grasping the plug. Never pull the cord itself.

10. To prevent lightning damage, pull out the power cord and remove the antenna cable during an electrical storm.

11. The general digital signals may interfere with other equipment such as tuners or receivers. Move the system farther away from such equipment if interference is observed.

NOTE:

Please check the copyright laws in your country before recording from records, compact discs, radio, etc. Recording of copyrighted material may infringe copyright laws.

Specifications and Features

Features

- 2 pcs. Vocal Speakers with 2 x 200W(Max) built-in amplifier (in main speaker)
- 8" woofer designed for high quality sounds
- High quality compressed tweeter
- Master volume control with built-in EQ controls
- Inputs: 1 Mic-input with separate volume- and echo controls, Stereo (L/R) RCA Line In
- Outputs: Speakon speaker out
- Speaker stand compatible (speaker stands sold separately)

Technical Specifications

- Master power output	200W + 200W
- Freq.response	20Hz - 20kHz (±2dB)
- Total harmonic distortion	≤ 0.5%
- Input impedance	47K
- Input sensibility	≤ 300mv
- Max input signal	5V p-p
- Signal-to-noise	≥ 90dB
- Treble adjustment	±10dB
- Bass adjustment	±10dB

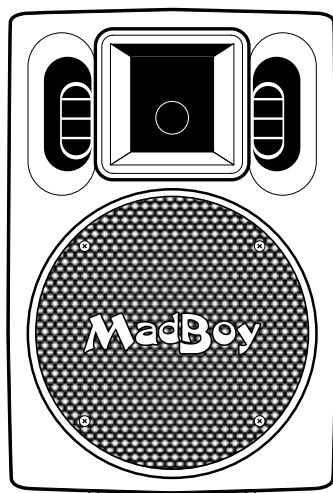
Getting Started

The BONEHEAD-208 (2 x 200W) Powered Speaker system is self-powered and does not need an external amplifier. With built in amplifier you can connect any player, mixer etc. stereo audio system (with line out) to the BONEHEAD-208 RCA Audio inputs (stereo).

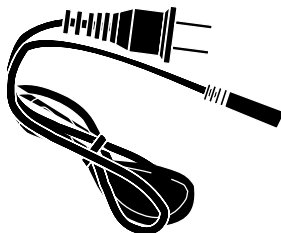
Before Getting Started

Please check that the following items are included with your MadBoy BONEHEAD-208 Speaker system:

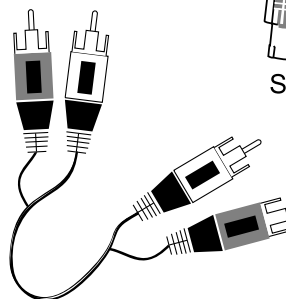
- 2 BONEHEAD-208 Powered Speakers (1 with amplifier and 1 without)
- 1 "Speakon to Speakon" speaker cable
- 1L/R (red and white) RCA audio cable
- 1 Power cord



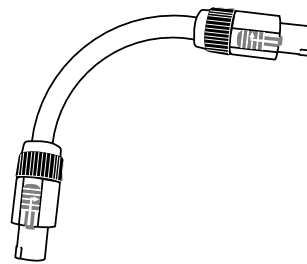
BONEHEAD-208 (2)



Power Cord (1)



RCA Audio Cable (1)



Speakon Cable (1)

Speaker Stand(s) (Optional)

The BONEHEAD-208 speakers can (each) be mounted on a MadBoy speaker stand. Contact your nearest MadBoy dealer to purchase a MadBoy Speaker Stand.

NOTE: You may have to buy longer audio cables etc. to get BONEHEAD-208 Speaker System to work in your set/installation.

Getting Connected

The BONEHEAD-208 200W Powered Speaker system is self-powered and does not need an external amplifier to supply it with power. The second speaker is powered by the first when connected with the included Speakon speaker cable. This means you can connect any mixer, player or other audio device directly to its Stereo RCA Audio Inputs for instant sound.



NOTE: Before connecting (any) cables to BONEHEAD-208 speakers, make sure speakers are powered off and volumes are down. If speakers are powered on and volume is up, speakers may broke. Incorrect using/connecting can cause unwanted hazard and will void warranty.

Getting Connected

Connecting the Power (Power Cord Included)

1. Connect the A end to the AC INPUT to the rear panel of the BONEHEAD-208. See diagram below.
2. Connect the B end to a wall plug, surge protector or power strip.



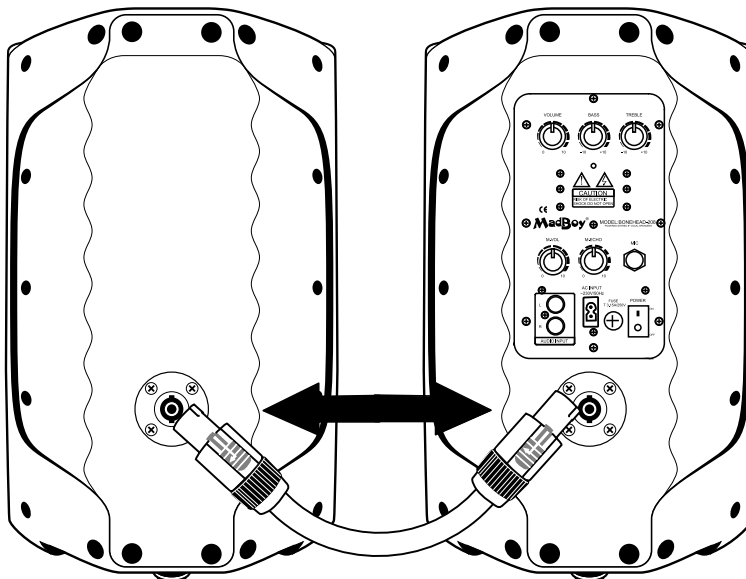
NOTE: Please use a surge protector to protect the speaker from any unexpected power surges. Power surges can cause defect in a product and the warranty will be void.

Connecting second speaker (un-powered) using Speakon cable (Included)

First you will need

- Speakon speaker cable
- Second speaker with a Speakon jack

1. Connect the Speakon cable to the Speakon jack on the rear panel of the BONEHEAD-208
2. Connect the other end of the cable to the second speaker.



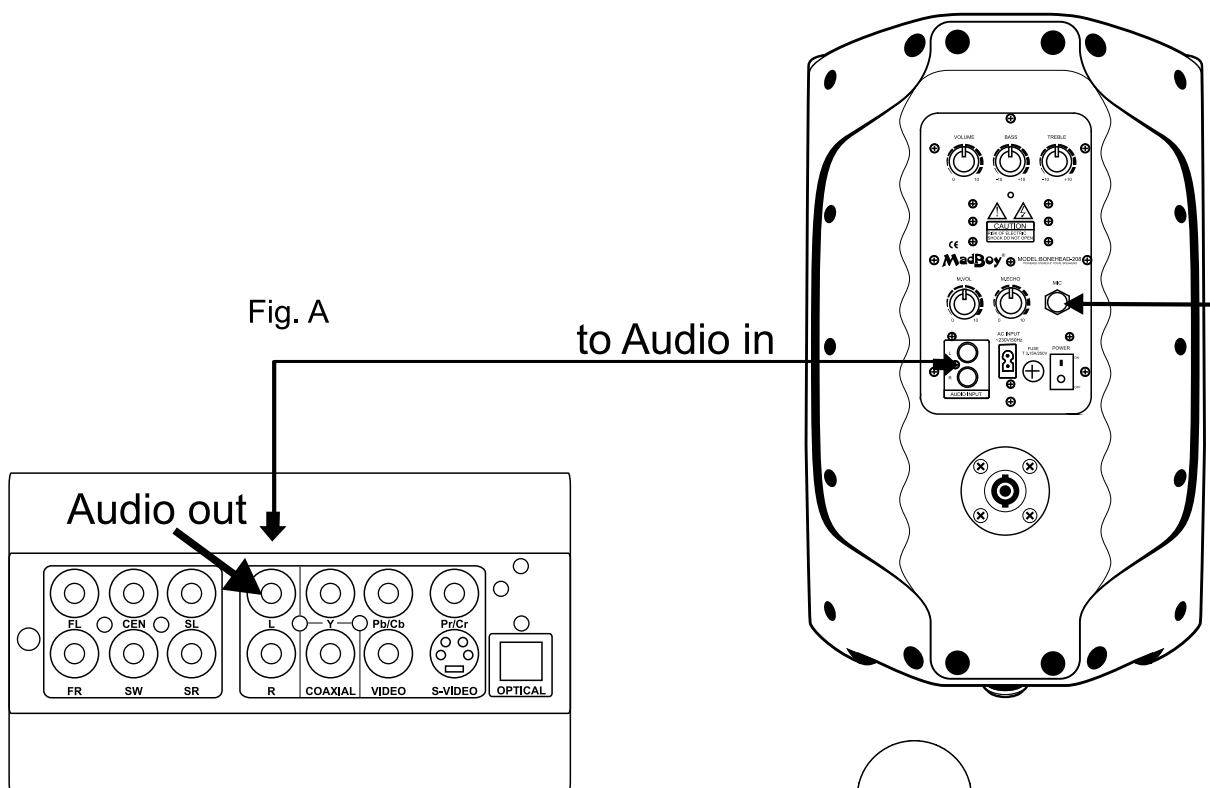
Getting Connected Continues

Connecting a Mixer/player (Fig. A)

What you will need

- Audio source(DVD, CD, mixer etc.) with Stereo audio output (Left and Right)
- RCA cable (Left(red) and Right(white)). Cable included.

1. Connect one end of each RCA cable to the RCA audio Left and Right outputs on the player/mixer.
2. Connect the other end of each RCA cable to the Left and Right RCA Audio Input jacks on the rear panel of the BONEHEAD-208



Connecting a Microphone (Fig. B)

What you will need

- 1 Microphone
- 1 XLR Microphone cable with 1/4" plug

1. Connect XLR plug to end of microphone, you hear "snap" when connected correctly.
2. Connect the other end of the microphone cable to MIC input on BONEHEAD-208 rear panel

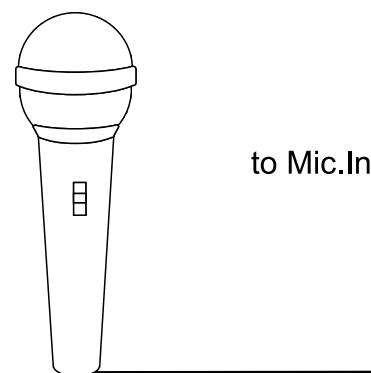


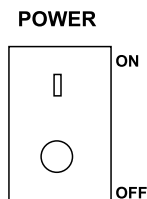
Fig. B

NOTE: Before connecting microphone, make sure that microphone volume is down and microphone is turned off. This is to avoid any unwanted noise/hazard.

Basic Operations

Turning the Power On and Off (main speaker)

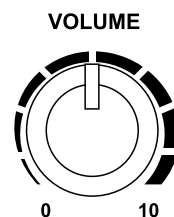
1. Press the switch up to the On position to turn the power on
2. Press the switch down to the Off position to turn the power off



Adjusting the volume (main speaker)

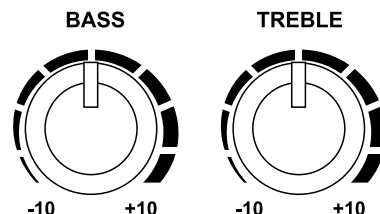
The volume control is located on the rear panel of main speaker

1. To increase the volume, turn clockwise
2. To decrease the volume, turn counter-clockwise



Adjusting the EQ (main speaker)

The BONEHEAD-208 has Bass (low end) and Treble (high end) controls. These are for fine tuning the tone. EQ is also for to find the tone that best fits each room/place.

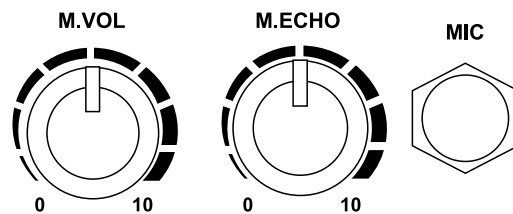


Adjusting the Microphone- and Echo volume (main speaker)

The BONEHEAD-208 has Microphone input with built-in Echo effect. Microphone input has also its own separate volume- and echo controls.

Adjusting the Microphone volume

1. To increase microphone volume, turn M.VOL control clockwise.
2. To decrease microphone volume turn M.VOL control counter-clockwise.



NOTE: DO NOT go near to speaker(s) when microphone is ON. This is to avoid any unwanted voice/humming hazard.

Adjusting the Microphone Echo-level

1. To increase Microphones Echo-level, turn M.ECHO control clockwise.
2. To decrease Echo, turn counter-clockwise

Troubleshooting

There is no sound coming out of either of the speakers

- Check the power switch that it is turned to ON position
- Check the BONEHEAD-208 volume is turned up
- Check the cables and that those are correctly connected to the proper jacks
- Check the cables that there are not broken or damaged
- Check all other devices (i.e mixers, players etc.) are connected correctly, turned on and volume is turned up.

There is no sound coming out of the second speaker

- Check the Speakon speaker cable that it is firmly attached to both speakers
- Check the cable that it is not broken or damaged

There is a lot of feedback or a high-pitched squealing

- Check the treble on the speaker, mixer, etc. lower when sound is OK
- Check the microphone volume, player volume, mixer volume, etc.
- Repositioning the microphones may help if you are using microphones

The audio sounds muffled and unclear

- Check the bass on the (main) speaker, player, mixer, etc.
- Check microphone(s), player, mixer etc. are working correctly and settings are correct

There is a loud popping sound coming out of the speakers

- Check cables. There may be broken or damaged cable
- Check that microphone(s) are not broken or damaged.

NOTE: If troubleshooting can't help you to fix the problem(s), please contact to MadBoy Technical Support at www.madboy-audio.com

Attaching the Speaker Stand Adapters

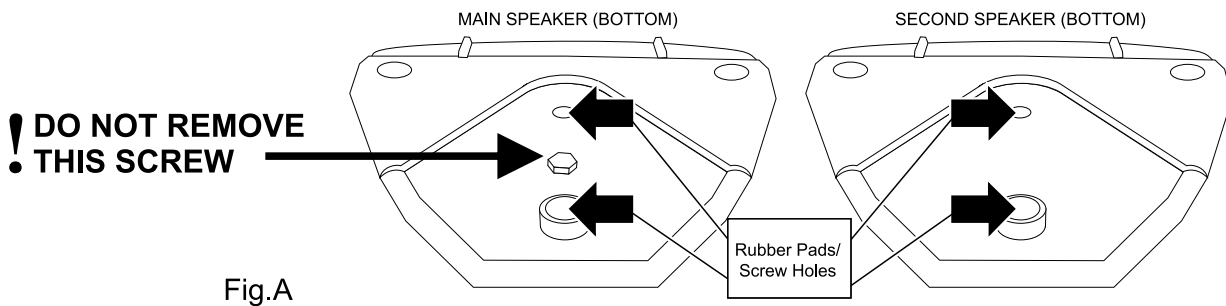
MadBoy Speaker Stands can be used with The BONEHEAD-208 speakers. Speakers can be mounted on stands with speaker stand adapter (sold separately). Speaker stand adapters are included with the speaker stands. Contact your local MadBoy dealer to order MadBoy speaker stands.

Attaching the Adapter(s) to the Speakers

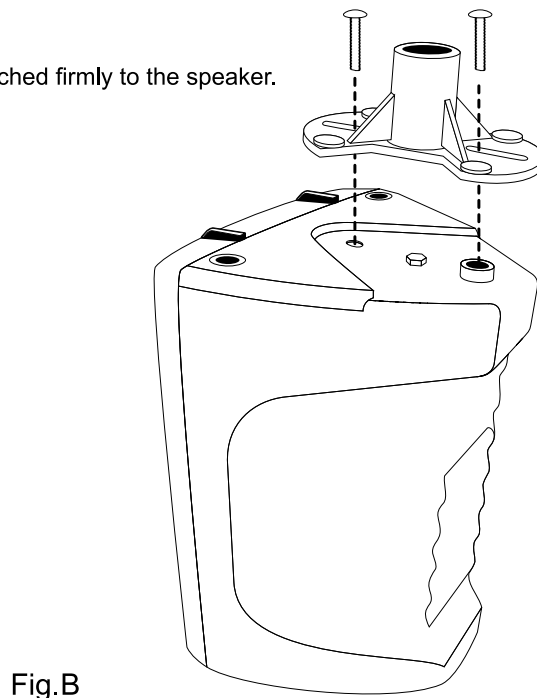
1. Remove the rubber pads covering the screw openings on the bottom of the BONEHEAD-208 speakers to reveal the holes for the mounting screws. 4 mounting screws are included with the BONEHEAD-208. (Fig A)

NOTE: DO NOT remove the screw on the bottom of the BONEHEAD-208 main speaker (speaker with amplifier). The screw is keeping the internal amp and mixer in place.

2. Align the slots on the flat part of the adapter with the holes on the bottom of the BONEHEAD-208 speaker (Fig. B)
3. Tightly fastening the adapter to the speaker, screw the screws.



NOTE: Make sure the adapter is attached firmly to the speaker.



Mounting on a Speaker Stand

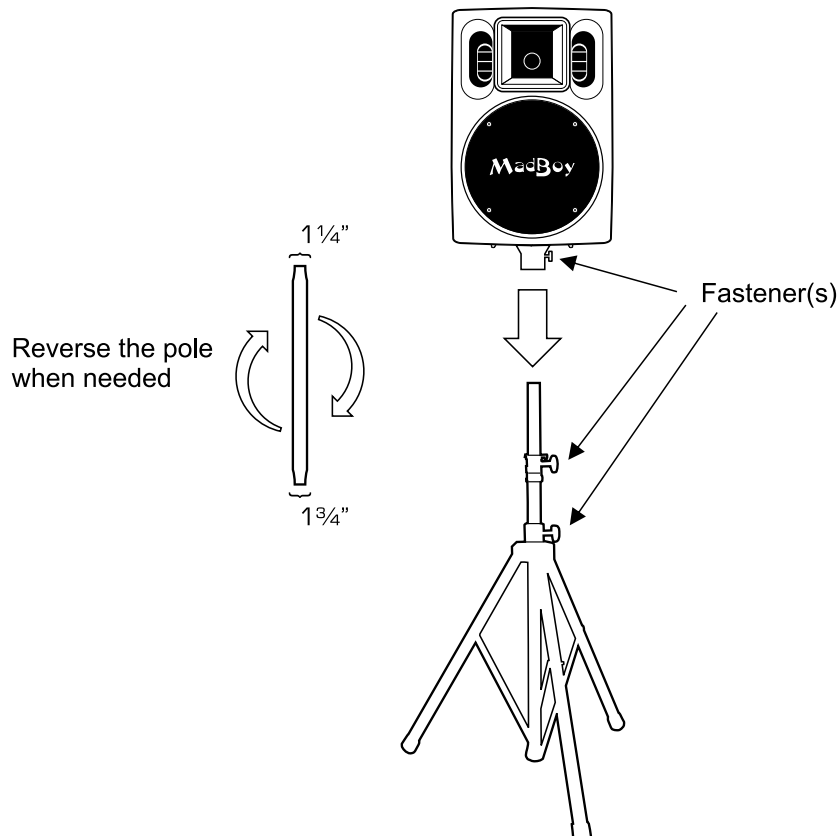
Setting up the Speaker Stands

Setup each speaker stand by extending the support legs to a stable position, tighten the tension mechanism firmly. Each pole has a particular diameter fitted for common speakers mounting. If the pole does NOT fit, loosen the pole and reverse it and then remount the speaker.

Mounting the Speaker(s)

Once the adapter is securely attached to the speaker:

1. Place the BONEHEAD-208 on the speaker pole
2. Fasten the fastener on the adapter until it is secured tightly
3. Do same to the second speaker



NOTE: Keep stand(s) in stable place and tightened when used to avoid ie. danger.

