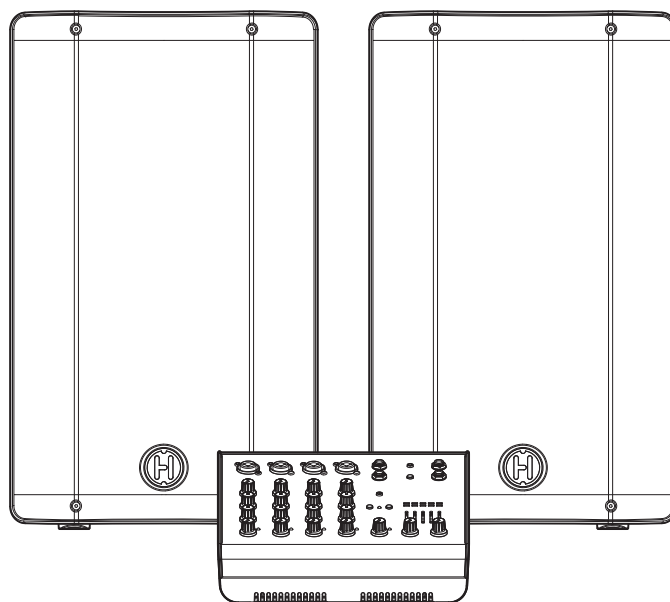




HARBINGER

M100-BT Portable PAs

OWNER'S MANUAL



M100-BT

MUV
S E R I E S



WARRANTY/CUSTOMER SUPPORT

2 YEAR HARBINGER LIMITED WARRANTY

Harbinger provides, to the original purchaser, a two (2) year limited warranty on materials and workmanship on all Harbinger cabinets, loudspeaker and amplifier components from the date of purchase.

For warranty support, please visit our website at www.HarbingerProAudio.com, or contact our Support Team at **888-286-1809** for assistance. Harbinger will repair or replace the unit at Harbinger's discretion.

This warranty does not cover service or parts to repair damage caused by neglect, abuse, normal wear and tear and cosmetic appearance to the cabinetry not directly attributed to defects in materials or workmanship. Also excluded from coverage are damages caused directly or indirectly due to any service, repair(s), or modifications of the cabinet, which has not been authorized or approved by Harbinger. This two (2) year warranty does not cover service or parts to repair damage caused by accident, disaster, misuse, abuse, burnt voice-coils, over-powering, negligence, inadequate packing or inadequate shipping procedures.

The sole and exclusive remedy of the foregoing limited warranty shall be limited to the repair or replacement of any defective or non-conforming component. All warranties including, but not limited to, the express warranty and the implied warranties of merchantability and fitness for a particular purpose are limited to the two (2) year warranty period. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you. There are no express warranties beyond those stated here. In the event that applicable law does not allow the limitation of the duration of the implied warranties to the warranty period, then the duration of the implied warranties shall be limited to as long as is provided by applicable law. No warranties apply after that period.

Retailer and manufacturer shall not be liable for damages based upon inconvenience, loss of use of product, loss of time, interrupted operation or commercial loss or any other incidental or consequential damages including but not limited to lost profits, downtime, goodwill, damage to or replacement of equipment and property, and any costs of recovering, reprogramming, or reproducing any program or data stored in equipment that is used with Harbinger products. This guarantee gives you specific legal rights; you may have other legal rights, which vary from state to state.

Harbinger
P.O. Box 5111, Thousand Oaks, CA 91359-5111

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1904-19343785



OR VISIT OUR WEBSITE AT: HARBINGERPROAUDIO.COM



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WELCOME

The M100-BT and M200-BT MUV Series Portable PAs each combine 800 watts of peak power with a versatile audio mixer, premium speaker pair, and custom carry bags, delivering high quality portable sound reproduction with great flexibility.

M100-BT Stereo Portable PA with 8-inch Speakers, 2 Mic Inputs, Echo, Stereo Line and Aux Inputs, and Bluetooth Audio Input

- A pair of speaker cabinets, each featuring high output 8-inch low frequency drivers plus high precision high frequency compression tweeters
- Versatile speaker cabinets allowing free-standing, pole mounted, and lay-flat floor monitor placement
- Bluetooth audio input, 2 mic/instrument inputs, dedicated stereo line input and aux input – all available simultaneously
- 2-Band EQ adjustment on each mic/instrument channel
- Selectable Stereo or Master+Monitor speaker modes
- 800 Watts of Peak Power
- Custom Carry Bags

M200-BT Stereo Portable PA with 10-inch Speakers, 4 Mic Inputs, Echo, 5-Band Graphic EQ, Stereo Line and Aux Inputs, and Bluetooth Audio Input

- All the same input, output, control and usage capabilities as the M100-BT
- Larger speaker cabinets, featuring larger high output 10-inch low frequency drivers, for extended bass and increased output volume
- Two additional mic inputs: 4 mic inputs total, including 2 mic/instrument inputs
- 5-Band Graphic EQ to tune the speakers for optimal sound in your venue

BLUETOOTH® TROUBLESHOOTING

These steps should resolve any Bluetooth trouble you may encounter:

- Power off the M100-BT or M200-BT and leave it off
- On your Apple iOS device
 1. Open Settings app, select Bluetooth
 2. If M100-BT or M200-BT is listed under MY DEVICES, touch info button, tap to Forget This Device
 3. Turn off Bluetooth, wait 10 seconds, turn on Bluetooth
- On your Android device
 1. Open Settings, select Bluetooth
 2. If M100-BT or M200-BT is listed under Paired Devices, touch gear icon, and tap to Unpair
 3. Turn off Bluetooth, wait 10 seconds, turn on Bluetooth
- Then power on M100-BT or M200-BT, and Bluetooth LED should flash
- You should now be able to connect to M100-BT or M200-BT via Bluetooth



IMPORTANT SAFETY INSTRUCTIONS

Please keep this instruction manual for future reference and for the duration of owning the M100-BT or M200-BT MUV Series Portable PA. Please carefully read and understand the instructions inside this owner's manual before attempting to operate your new powered loudspeaker.

This instruction manual includes essential safety information regarding the use and maintenance of the amplifier. Take special care to heed all warning symbols and signs inside this manual and those printed on the amplifier on the back of the loudspeaker.

WARNING

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THE AMPLIFIER TO WATER/MOISTURE, NOR SHOULD YOU OPERATE THE AMPLIFIER NEAR ANY WATER SOURCE.

The exclamation point triangular symbol is intended to alert the user to the presence of important operating and maintenance(servicing) instructions in the user manual accompanying the Amplifier.


The lightning flash with an arrow triangular symbol is intended to alert the user to the presence of non-insulated "dangerous voltage" within the product's enclosure, and may be of sufficient magnitude to constitute a risk of electric shock.


WARNING

Handle the power supply cord with care.

Do not damage or deform it as it may cause electric shock or malfunction when used. Hold the plug attachment when removing from wall outlet. Do not pull on the power cord.

IMPORTANT SAFETY PRECAUTIONS


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. DO NOT turn on the powered mixer before connecting all other external devices.
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 is 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 attachment/accessories specified by the manufacturer.
12. Use only 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.
15. POWER SOURCES – This product should be operated only from the type of power source indicated on the rating label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company.
16. WALL OR CEILING MOUNTING – The product should never be mounted to a wall or ceiling.
17. Where the mains plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
18. OBJECT AND LIQUID ENTRY – Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
19. Water and Moisture: This product should be kept away from direct contact with liquids. The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
20. Keep the speaker system out of extended or intense direct sun light.
21. No containers filled with any type of liquid should be placed on or near the speaker system.
22. SERVICING – The user should not attempt any service to the speaker and/or amplifier beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.
23. VENTILATION – Slots and openings in the amplifier are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack.
24. Protective earthing terminal: The apparatus should be connected to a main socket outlet with a protective earthing connection. 
25. ACCESSORIES – Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product.
26. When moving or not using the appliance, secure the power cord (e.g., wrap it with a cable tie). Be careful not to damage the power cord. Before using it again, make sure the power cord has not been damaged. If the power cord has been damaged at all, bring the unit and cord to a qualified service technician for repair or replacement as specified by the manufacturer.
27. LIGHTNING – For added protection during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet. This will prevent damage to the product due to lightning and power-line surges.
28. REPLACEMENT PARTS – When replacement parts are required, be sure the service technician has used 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.



IMPORTANT SAFETY INSTRUCTIONS

To prevent electric shock, do not use a polarized plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.

**CAUTION**
RISK OF
ELECTRIC SHOCK
DO NOT OPEN

**AVIS**
RISQUE DE CHOC
ELECTRIQUE NE
PAS OUVRIR



THIS SYMBOL IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE UNIT.



APPARATUS SHALL NOT BE EXPOSED TO DRIPPING OR SPLASHING AND THAT NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED ON THE APPARATUS.

HEARING DAMAGE AND PROLONGED EXPOSURE TO EXCESSIVE SPLs

Harbinger MUV Series Portable PA loudspeakers are capable of producing extremely loud volume levels that can cause permanent hearing damage to performers, production crews or the audience. Hearing protection is recommended during long-term exposure to high SPLs (sound pressure levels).

Remember, if it hurts, it is definitely too loud! Long term exposure to high SPLs first causes temporary threshold shifts; limiting your ability to hear the actual loudness and exercise good judgment. Repeated long term exposure to high SPLs will cause permanent hearing loss.

Please note the recommended exposure limits in the accompanying table. More information about these limits is available on the US government Occupational Safety and Health (OSHA) website at: www.osha.gov.

Permissible Noise Exposures (1)

Duration per day, hours	Sound level dBA slow response
8	90
6	92
4	95
3	97
2	100
1.5	102
1	105
0.5	110
0.25 or less	115

FCC STATEMENTS

1. Caution: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
2. NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Radiation Exposure Statement

The device has been evaluated to meet general RF exposure requirement. The device can be used fixed/mobile (min20cm) exposure condition without restriction.



QUICK START GUIDE: M100-BT

SETTING UP / HELPFUL TIPS

- Make sure the Power Switch is off.
- Turn HIGH and LOW knobs to center, and all other knobs to minimum.

CONFIGURING THE SPEAKERS

- Connect one speaker to each speaker output jack, using the included speaker cables.
- Stereo operation: ensure the Speaker Mode button is in the up state, and position the speakers standing vertically or on speaker poles to address your audience.
- Master+Monitor operation: when the Speaker Mode button is in the down state, the first speaker should be positioned vertically to face your audience, and the second speaker should be placed horizontally on the floor, angled up toward the performer.

Note that in Master+Monitor mode, the Monitor speaker will be tuned for reduced low frequencies, to minimize rumble and potential for microphone feedback

CONNECTING AUDIO INPUTS & OUTPUTS

- Connect microphones, acoustic guitars, or other mono sources to CH1 and CH2 jacks.
- Connect stereo sources to CH3-4 STEREO jacks for Left/Mono, Right and Aux as desired. (All these input jacks can be used at once, along with Bluetooth audio input.)
- The Stereo Out provides a mix output appropriate for recording or feeding another sound system.

CHECK SWITCHES

- Check that the Speaker Mode button is set correctly.
- Check that CH1 and CH2 switches match sources: Mic for microphones, Guitar for acoustic guitar or pedal board output, Line for mixers, keyboards and other electronics.

POWERING UP

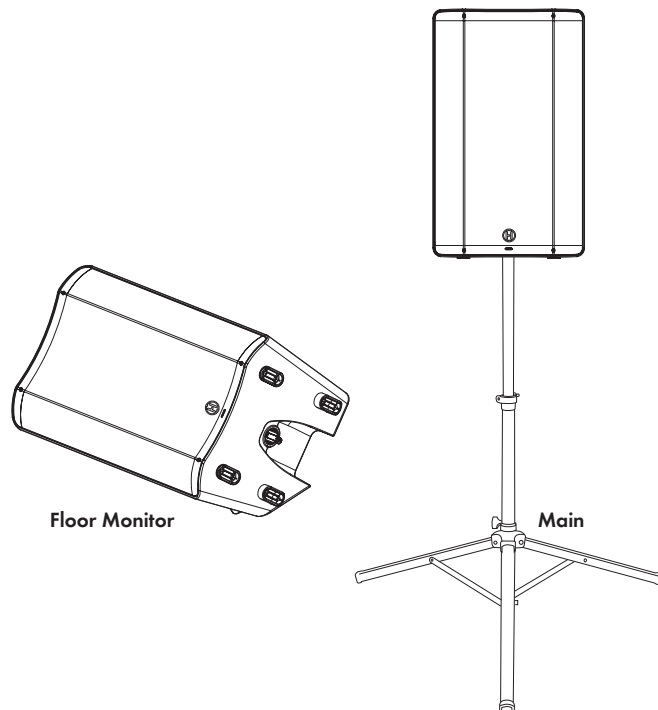
- Power on any devices connected to input jacks before powering on the M100-BT.
- Turn up the output volumes of all those sources.
- Turn up the M100-BT Master Level knob to set overall volume for both speakers in stereo mode, or speaker 1 in Master+Monitor mode.
- If Master+Monitor mode is used, turn up Monitor Level knob to set volume for speaker 2.
- Turn CH1, CH2 and CH3-4 STEREO LEVEL knobs to desired levels.

BLUETOOTH AUDIO INPUT

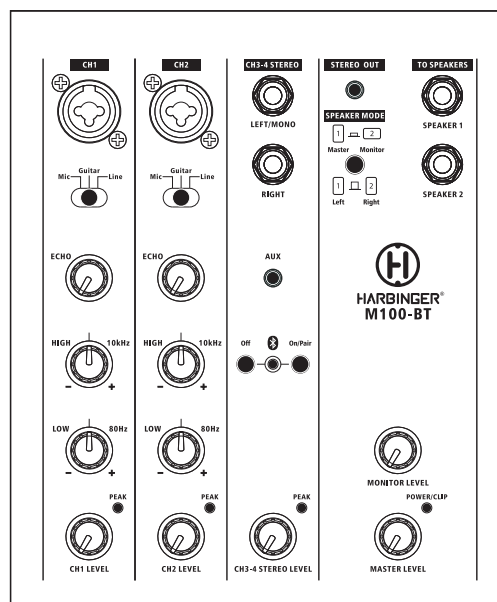
- From your Bluetooth audio source device, look for M100-BT and select it.
- See page 3 for Bluetooth Troubleshooting in case of difficulty.

CHECK LED LIGHTS

- Power/Clip LED lights white when power is on
- If Power/Clip LED lights red, turn down the Master Level knob to avoid distorted sound
- If a Peak LED lights red, turn down the associated Level knob.



Either speaker cabinet can be laid sideways as a Floor Monitor, or used free-standing, or mounted on a standard speaker pole. Speaker stand not included





QUICK START GUIDE: M200-BT

SETTING UP / HELPFUL TIPS

- Make sure the Power Switch is off.
- Turn HIGH and LOW knobs to center, and all other knobs to minimum.
- Set all Graphic EQ sliders to center (0).

CONFIGURING THE SPEAKERS

- Connect one speaker to each speaker output jack, using the included speaker cables.
- Stereo operation: ensure the Speaker Mode button is in the up state, and position the speakers standing vertically or on speaker poles to address your audience.
- Master+Monitor operation: when the Speaker Mode button is in the down state, the first speaker should be positioned vertically to face your audience, and the second speaker should be placed horizontally on the floor, angled up toward the performer.

Note that in Master+Monitor mode, the Monitor speaker will be tuned for reduced low frequencies, to minimize rumble and potential for microphone feedback

CONNECTING AUDIO INPUTS & OUTPUTS

- Connect microphones or other mono sources to CH1, CH2, CH3 and CH4 jacks.
- Use CH3 or CH4 for connecting acoustic guitars or mono guitar pedal boards.
- Connect stereo sources to CH5-6 STEREO jacks for Left/Mono, Right and Aux as desired. (All these input jacks can be used at once, along with Bluetooth audio input.)
- The Stereo Out provides a mix output appropriate for recording or feeding another sound system.

CHECK SWITCHES

- Check that the Speaker Mode button is set correctly.
- Check that CH1, CH2, CH3 and CH4 switches match sources: Mic for microphones, Guitar for acoustic guitar or pedal board output, Line for mixers, keyboards and other electronics.

POWERING UP

- Power on any devices connected to input jacks before powering on the M200-BT.
- Turn up the output volumes of all those sources.
- Turn up the Master Level knob to set overall volume for both speakers in stereo mode, or speaker 1 in Master+Monitor mode.
- If Master+Monitor mode is used, turn up Monitor Level knob to set volume for speaker 2.
- Turn CH1, CH2, CH3, CH4 and CH5-6 STEREO LEVEL knobs to desired levels.

BLUETOOTH AUDIO INPUT

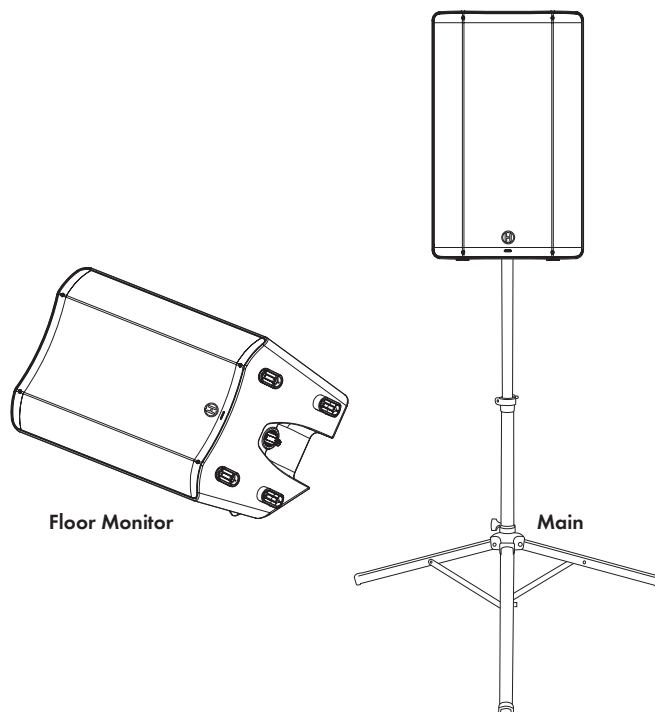
- From your Bluetooth audio source device, look for M200-BT and select it.
- See page 3 for Bluetooth Troubleshooting in case of difficulty.

CHECK LED LIGHTS

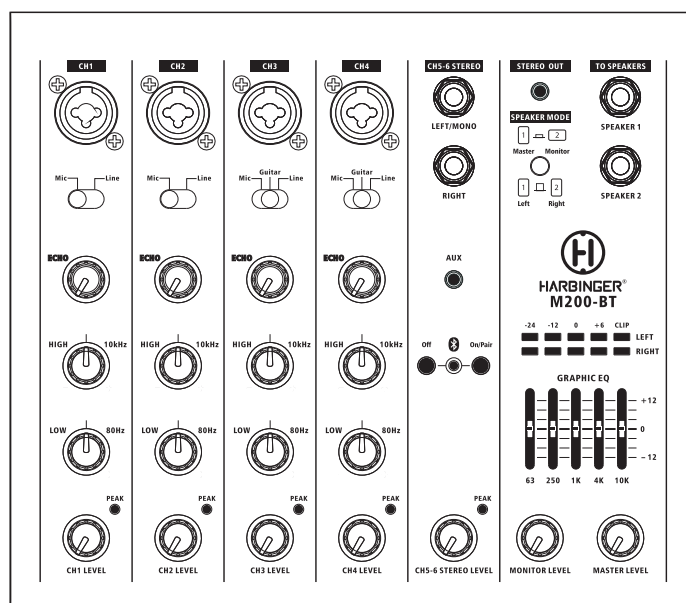
- Power/Clip LED lights white when power is on
- If Power/Clip LED lights red, turn down the Master Level knob to avoid distorted sound
- If a Peak LED lights red, turn down the associated Level knob.

GRAPHIC EQ

- The Graphic EQ sliders tune the sound of both speakers.

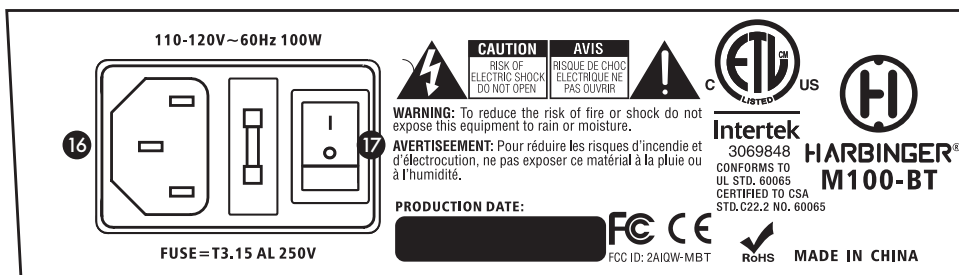
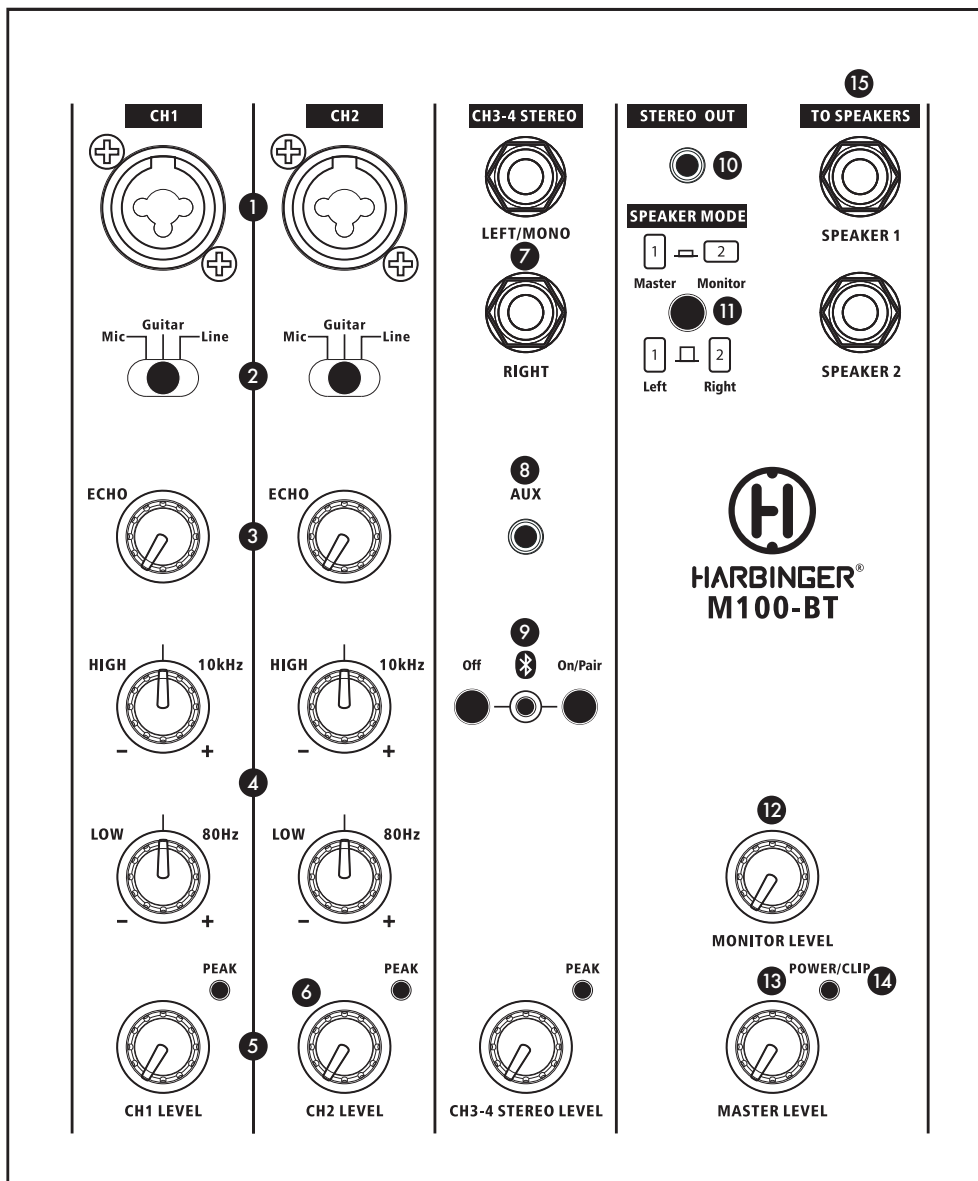


Either speaker cabinet can be laid sideways as a Floor Monitor, or used free-standing, or mounted on a standard speaker pole. Speaker stand not included





M100-BT: MIXER PANEL





M100-BT: FEATURES AND FUNCTIONS

1 CHANNEL 1 AND 2 INPUT JACKS

Connect XLR or 1/4-inch cables

2 MIC/GUITAR/LINE SWITCHES

Set these to match the type of source connected to the input above them

- Mic: for microphones, or line level sources with low output volumes
- Guitar: for acoustic guitar or guitar pedal board
- Line: for line level sources

3 ECHO KNOBS

Set the amount of echo effect

4 BASS AND TREBLE KNOBS

Adjust the sound of the channel

5 CHANNEL LEVEL KNOBS

These knobs set the volume for the channels

6 PEAK LIGHTS

If one of these illuminates, turn down the knob next to it to avoid distortion due to excessive level.

Note that all inputs on Channel 3-4 STEREO, including Bluetooth, can be used simultaneously

7 BALANCED LINE INPUTS

Balanced or unbalanced line level sources can be connected here

8 AUX INPUT

Audio from smartphones, computers and other consumer audio devices can be connected here

9 BLUETOOTH AUDIO INPUT

Bluetooth audio input is automatically enabled each time you turn the mixer on, will automatically reconnect to the previous Bluetooth audio source if it is available, and will otherwise be available for Bluetooth pairing from a source audio device such as a smartphone.

- To pair, look for M100-BT from your Bluetooth audio source device.
- LED is lit solid when currently paired, blinking when available for pairing, and off if Bluetooth has been disabled by a press of the Bluetooth Off button.
- On/Pair button forces any currently connected Bluetooth audio source to disconnect, and makes the mixer available for pairing.
- Off button disables Bluetooth. (Bluetooth will be re-enabled next time you turn power off and on, or if you press the On/Pair button.)

10 STEREO OUT

The combined audio from all channels is output from the STEREO OUT.

11 SPEAKER MODE

When this button is up, speakers operate in stereo, with Master Level knob (13) setting the level.

When this button is down, Speaker 1 operates as your Master speaker, while Speaker 2 operates as your monitor speaker, with level controlled by Monitor Level (12) knob.

Note that in Master+Monitor mode, the Monitor speaker will be tuned for reduced low frequencies, to minimize rumble and potential for microphone feedback

12 MONITOR LEVEL

This knob operates only when Speaker Mode (11) button is pushed in, setting the level of speaker 2.

13 MASTER LEVEL

When Speaker Mode (11) button is pushed out, this knob sets the level for both speakers. When Speaker Mode (11) button is pushed in, this knob sets the level of Speaker 1 only.

14 POWER/CLIP LIGHT

Lit white when power is on. Lights red to indicate excessive level.

If lit red continuously or frequently active, turn down the Master Level (13) knob to avoid distorted sound.

15 TO SPEAKERS

Connect one end of each included speaker cable to one of these jacks. Connect the other end of each speaker cable to one of the speakers' rear panel jacks. Both speakers are identical, you can connect either speaker to either jack.

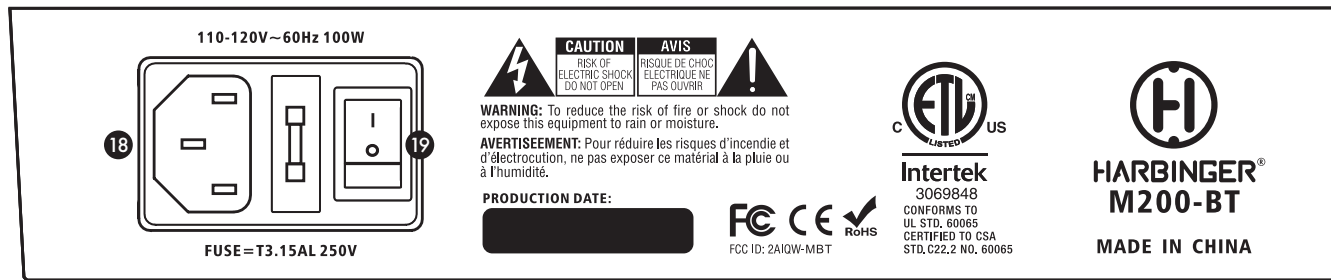
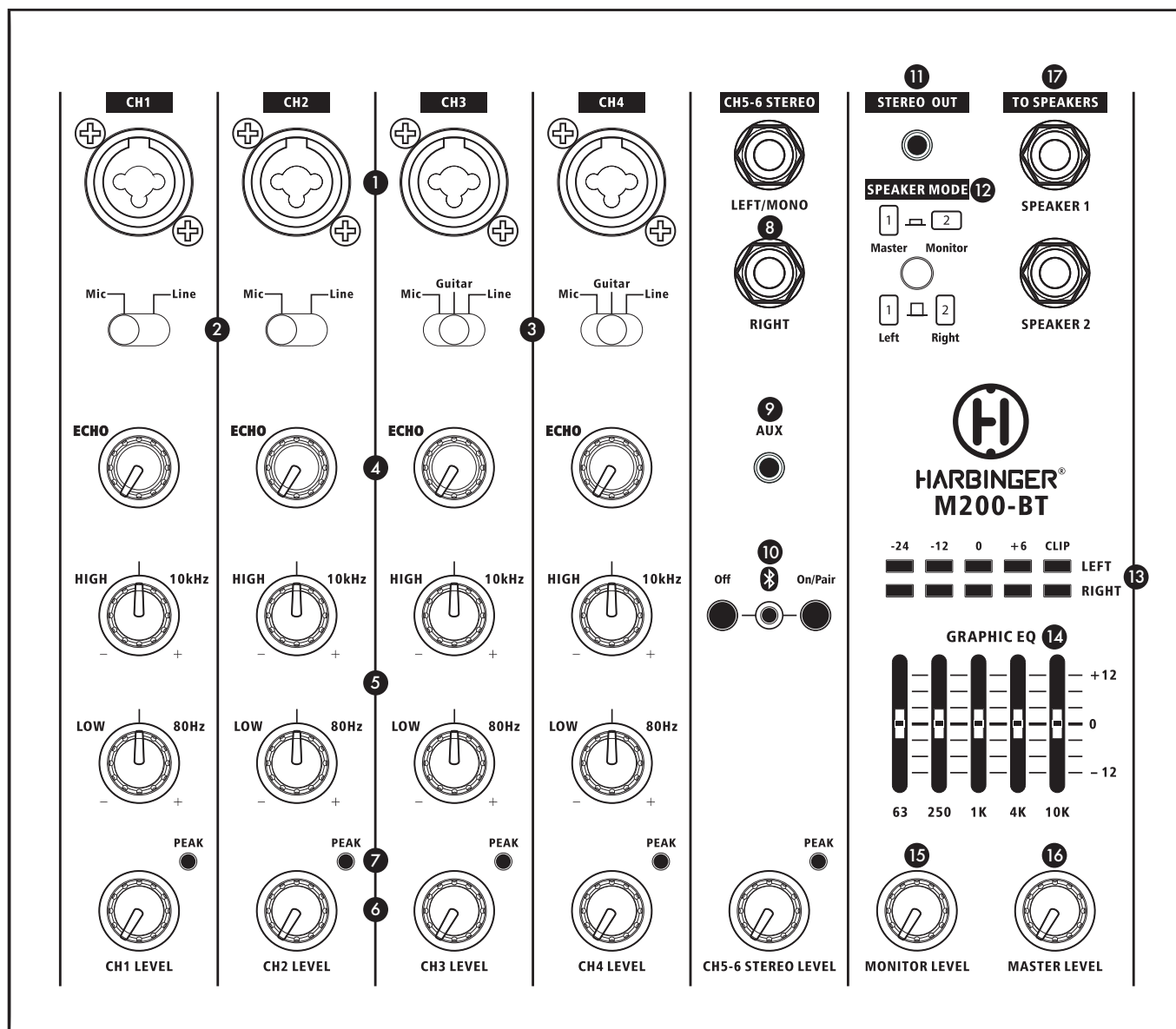
16 Connect power cable here.

If the mixer will not power on and you suspect its fuse may have blown, turn off the power switch, and open the fuse compartment using a small flat blade screwdriver. If metal strip in fuse is broken, replace with T 3.15A 250V fuse.

17 Switches the power on and off



M200-BT: MIXER PANEL





M200-BT: FEATURES AND FUNCTIONS

1 CHANNEL 1, 2, 3, 4 INPUT JACKS

Connect XLR or 1/4-inch cables

2 MIC/LINE SWITCHES

Set these to match the type of source connected to the input above them

- Mic: for microphones, or line level sources with low output volumes
- Line: for line level sources

3 MIC/GUITAR/LINE SWITCHES

Set these to match the type of source connected to the input above them

- Mic: for microphones, or line level sources with low output volumes
- Guitar: for acoustic guitar or guitar pedal board
- Line: for line level sources

4 ECHO KNOBS

Set the amount of echo effect

5 BASS AND TREBLE KNOBS

Adjust the sound of the channel

6 CHANNEL LEVEL KNOBS

These knobs set the volume for the channels

7 PEAK LIGHTS

If one of these illuminates, turn down the knob next to it to avoid distortion due to excessive level.

Note that all inputs on Channel 3-4 STEREO, including Bluetooth, can be used simultaneously

8 BALANCED LINE INPUTS

Balanced or unbalanced line level sources can be connected here

9 AUX INPUT

Audio from smartphones, computers and other consumer audio devices can be connected here

10 BLUETOOTH AUDIO INPUT

Bluetooth audio input is automatically enabled each time you turn the mixer on, will automatically reconnect to the previous Bluetooth audio source if it is available, and will otherwise be available for Bluetooth pairing from a source audio device such as a smartphone.

- To pair, look for M200-BT from your Bluetooth audio source device.
- LED is lit solid when currently paired, blinking when available for pairing, and off if Bluetooth has been disabled by a press of the Bluetooth Off button.
- On/Pair button forces any currently connected Bluetooth audio source to disconnect, and makes the mixer available for pairing.
- Off button disables Bluetooth. (Bluetooth will be re-enabled next time you turn power off and on, or if you press the On/Pair button.)

11 STEREO OUT

The combined audio from all channels is output from the STEREO OUT.

12 SPEAKER MODE

When this button is up, speakers operate in stereo, with Master Level knob (16) setting the level.

When this button is down, Speaker 1 operates as your Master speaker, while Speaker 2 operates as your monitor speaker, with level controlled by Monitor Level (15) knob.

Note that in Master+Monitor mode, the Monitor speaker will be tuned for reduced low frequencies, to minimize rumble and potential for microphone feedback

13 LEVEL/CLIP METER

Upper meter shows level of speaker 1, lower meter shows level of speaker 2. When speakers are operating in stereo, upper meter shows left level and lower meter shows right level. When speakers are operating in Master + Monitor mode, upper meter shows Master level and lower meter shows Monitor level.

If CLIP lights are lit red continuously or frequently active, turn down the MASTER LEVEL (16) or MONITOR LEVEL (15) knobs

14 GRAPHIC EQ

Adjusts the overall sound of both speakers, including the Master and Monitor speakers in Master + Monitor speaker mode.

15 MONITOR LEVEL

This knob operates only when Speaker Mode (12) button is pushed in, setting the level of speaker 2.

16 MASTER LEVEL

When Speaker Mode (12) button is pushed out, this knob sets the level for both speakers. When Speaker Mode (12) button is pushed in, this knob sets the level of Speaker 1 only.

17 TO SPEAKERS

Connect one end of each included speaker cable to one of these jacks. Connect the other end of each speaker cable to one of the speakers' rear panel jacks. Both speakers are identical, you can connect either speaker to either jack.

18 Connect power cable here.

If the mixer will not power on and you suspect its fuse may have blown, turn off the power switch, and open the fuse compartment using a small flat blade screwdriver. If metal strip in fuse is broken, replace with T3.15AL 250V fuse.

19 Switches the power on and off



M100-BT/M200-BT SPECIFICATIONS

HARBINGER MUV Series		M100-BT	M200-BT
Mixer	Power Output	800 Watts Peak 100+100 Watts RMS	800 Watts Peak 100+100 Watts RMS
	Mic/Guitar/Line Inputs (CH1 & CH2 on M100-BT) (CH3 & CH4 on M200-BT)	XLR and 1/4-inch TRS balanced/unbalanced compatible audio input with Mic/Guitar/Line Switch, Echo knob, 2-Knob EQ, and Input Gain Control	XLR and 1/4-inch TRS balanced/unbalanced compatible audio input with Mic/Guitar/Line Switch, Echo knob, 2-Knob EQ, and Input Gain Control
	Mic/Line Inputs (CH3 & CH4 on M200-BT)		XLR and 1/4-inch TRS balanced/unbalanced compatible audio input with Mic/Line Switch, Echo knob, 2-Knob EQ, and Input Gain Control
	Stereo Input Channel (CH3-4 on M100-BT)(CH5-6 on M200-BT)	Stereo Line: Left/mono and right 1/4-inch TRS balanced/unbalanced compatible audio line inputs Aux: 1/8-inch mini TRS unbalanced input (-10dB) Bluetooth Audio: with On/Pair and Off buttons plus LED	Stereo Line: Left/mono and right 1/4-inch TRS balanced/unbalanced compatible audio line inputs Aux: 1/8-inch mini TRS unbalanced input (-10dB) Bluetooth Audio: with On/Pair and Off buttons plus LED
	Graphic EQ		5-Band EQ tunes the speakers for optimal sound in your venue
	Selectable Speaker Modes	Stereo: Speaker 1 Left, Speaker 2 Right. Master+Monitor: Speaker 1 Master, Speaker 2 Floor Monitor with optimal floor tuning	Stereo: Speaker 1 Left, Speaker 2 Right. Master+Monitor: Speaker 1 Master, Speaker 2 Floor Monitor with optimal floor tuning
	Speaker Compatibility	Use only the provided speakers (4 ohm)	Use only the provided speakers (4 ohm)
	Speaker Cables	Speaker type cables, not guitar/instrument type cables	Speaker type cables, not guitar/instrument type cables
	Low EQ Knobs	+/-12dB Shelf, 80Hz	+/-12dB Shelf, 80Hz
	High EQ Knobs	+/-12dB Shelf at 10kHz	+/-12dB Shelf at 10kHz
	Channel Volume Knobs	Volume control per channel	Volume control per channel
	Volume	volume control per channel	volume control per channel
	Power Input	115V/60 Hz Removable AC Power Cord Replaceable T3.15 AL 250V Fuse Rear Panel Power On/Off Switch	115V/60 Hz Removable AC Power Cord Replaceable T3.15 AL 250V Fuse Rear Panel Power On/Off Switch
Speaker	Type	8-inch 2-way vented design	10-inch 2-way vented design
	Frequency Response	65-20K Hz	55-20K Hz
	Max SPL@1M	124dB total (118dB per speaker)	126dB total (120dB per speaker)
	HF Driver	Compression Driver, 8 Ohm	Compression Driver, 8 Ohm
	LF Driver	8-inch Driver, 4 Ohm	10-inch Driver, 4 Ohm
	Cabinet	Polypropylene	Polypropylene
	Grille	0.8mm steel	1.0mm steel
	Suspension Points	M100-BT Is Not Designed For Suspension	M200-BT Is Not Designed For Suspension
	Pole Mount	35mm stand pole	35mm stand pole
	Packaged Size	D 25" x W 13.8" x H 25.2"	D 28.2" x W 15.4" x H 28"
Included Bags	Custom Carry Bags	2 Speaker Bags, 1 Mixer Bag	2 Speaker Bags, 1 Mixer Bag
Dimensions and Weights	Net Weight	33 pounds	43 pounds
	Gross Weight	42 pounds	51 pounds