



## behringer DR115DSP PA Speaker System User Guide

[Home](#) » [Behringer](#) » behringer DR115DSP PA Speaker System User Guide 

### Contents

- 1 behringer DR115DSP PA Speaker System
- 2 Product Information
- 3 Product Usage Instructions
- 4 Important Safety Instructions
- 5 LEGAL DISCLAIMER
- 6 LIMITED WARRANTY
- 7 Controls
- 8 DSP Functions
- 9 Specifications
- 10 Other important information
- 11 FEDERAL COMMUNICATIONS COMMISSION COMPLIANCE INFORMATION
- 12 Documents / Resources
  - 12.1 References
- 13 Related Posts



**behringer DR115DSP PA Speaker System**



## Product Information

The DR115DSP/DR112DSP/DR110DSP is an active PA speaker system with built-in DSP (Digital Signal Processing) and a 2-channel mixer. It is available in three models: DR115DSP with 1,400 watts of power and a 15-inch speaker, DR112DSP with 1,200 watts of power and a 12-inch speaker, and DR110DSP with 1,000 watts of power and a 10-inch speaker. These speaker systems are designed to deliver high-quality sound and provide versatile audio control options.

- **Version:** 4.0

## Important Safety Instructions:

- This symbol indicates the presence of dangerous voltage inside the enclosure, which may pose a risk of electric shock.
- Pay attention to important operating and maintenance instructions provided in the accompanying literature.
- Do not remove the top cover or rear section of the speaker system as it contains no user-serviceable parts. Seek assistance from qualified personnel for servicing.
- Avoid exposing the appliance to rain, moisture, or any liquid-filled objects. Also, do not place objects filled with liquids, such as vases, on the apparatus to prevent the risk of fire or electric shock.
- These service instructions are intended for qualified service personnel only. Do not perform any servicing other than what is specified in the operation instructions. Contact qualified service personnel for repairs.

## Product Usage Instructions

1. Read and keep the user manual for future reference.

2. Follow all important warnings and instructions mentioned in the manual.
3. Avoid using the speaker system near water.
4. Clean the speaker system only with a dry cloth.
5. Ensure proper ventilation by not blocking any ventilation openings. Install the speaker system according to the manufacturer's instructions.
6. Avoid installing the speaker system near heat sources such as radiators, heat registers, stoves, or other heat-producing apparatus.
7. Do not modify or alter the polarized or grounding-type plug of the power cord. If the provided plug does not fit your outlet, consult an electrician for a suitable replacement.
8. Prevent the power cord from being walked on or pinched, especially at plugs, convenience receptacles, and the point where it exits from the apparatus.
9. Use only attachments and accessories specified by the manufacturer.
10. When using a cart, stand, tripod, bracket, or table with the speaker system, exercise caution to avoid tip-over injuries.
11. During lightning storms or long periods of non-use, unplug the speaker system.
12. Refer all servicing to qualified service personnel if the speaker system has been damaged in any way, exposed to rain or moisture, does not operate normally, or has been dropped.
13. The speaker system must be connected to a main socket outlet with a protective earthing connection.
14. If a mains plug or appliance coupler is used as the disconnect device, ensure it remains easily operable.

## **Important Safety Instructions**

### **CAUTION**

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

- Terminals marked with this symbol carry an electrical current of sufficient magnitude to constitute risk of electric shock. Use only high-quality professional speaker cables with ¼" TS or twist-locking plugs pre-installed. All other installations or modifications should be performed only by qualified personnel.
- This symbol, wherever it appears, alerts you to the presence of uninsulated dangerous voltage inside the enclosure – voltage that may be sufficient to constitute a risk of shock.
- This symbol, wherever it appears, alerts you to important operating and maintenance instructions in the accompanying literature. Please read the manual.

- **Caution**

To reduce the risk of electric shock, do not remove the top cover (or the rear section). No user-serviceable parts inside. Refer servicing to qualified personnel.

- **Caution**

To reduce the risk of fire or electric shock, do not expose this appliance to rain and moisture. The apparatus shall not be exposed to dripping or splashing liquids and no objects filled with liquids, such as vases, shall be placed on the apparatus.

### **Caution**

These service instructions are for use by qualified service personnel only. To reduce the risk of electric shock do not perform any servicing other than that contained in the operation instructions. Repairs have to be performed by qualified service personnel.

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 a 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 the 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. Use only 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 a 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. The apparatus shall be connected to a MAINS socket outlet with a protective earthing connection.
16. Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
17. Correct disposal of this product: This symbol indicates that this product must not be disposed of with household waste, according to the WEEE Directive (2012/19/EU) and your national law. This product should be taken to a collection center licensed for the recycling of waste electrical and electronic equipment (EEE). The mishandling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the efficient use of natural resources. For more information about where you can take your waste equipment for recycling, please contact your local city office or your household waste collection service.
18. Do not install in a confined space, such as a bookcase or similar unit.
19. Do not place naked flame sources, such as lighted candles, on the apparatus.
20. Please keep the environmental aspects of battery disposal in mind. Batteries must be disposed of at a battery collection point.
21. This apparatus may be used in tropical and moderate climates up to 45°C.

## **LEGAL DISCLAIMER**

Music Tribe accepts no liability for any loss that may be suffered by any person who relies either wholly or in part upon any description, photograph, or statement contained herein. Technical specifications, appearances and

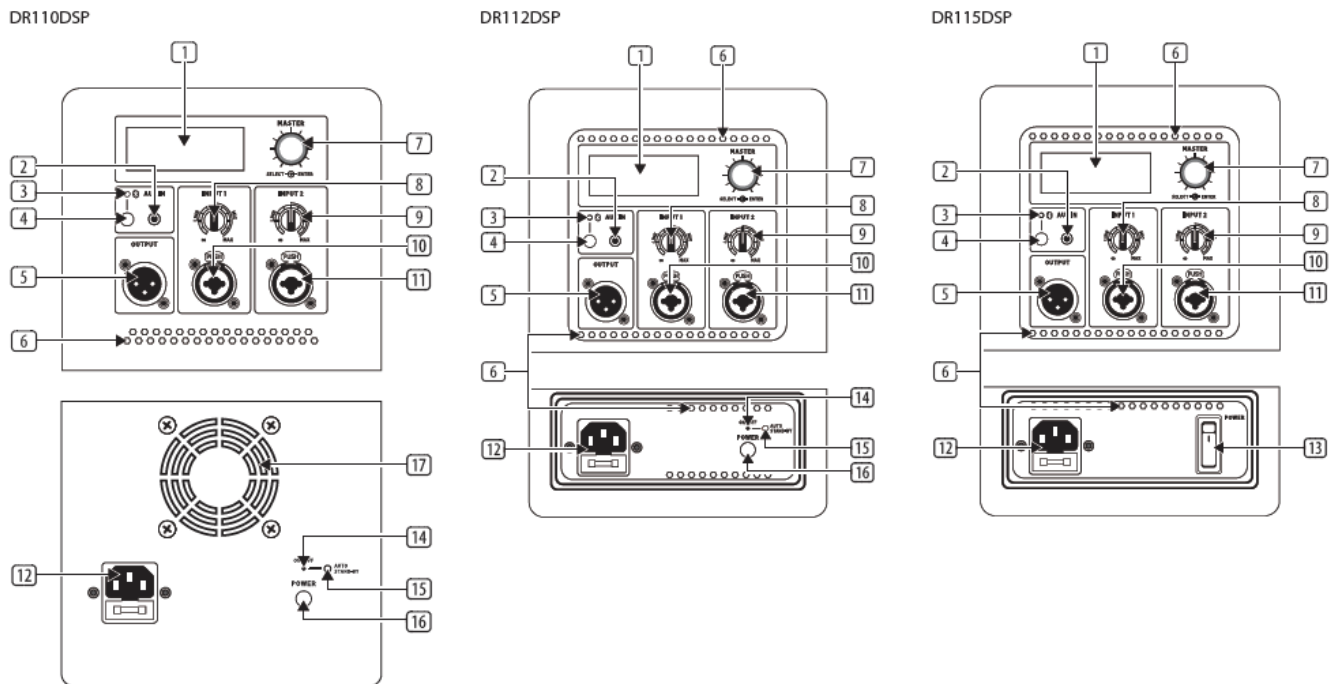
other information are subject to change without notice. All trademarks are the property of their respective owners. Midas, Klark Teknik, Lab Gruppen, Lake, Tannoy, Turbosound, TC Electronic, TC Helicon, Behringer, Bugera, Aston Microphones and Coolaudio are trademarks or registered trademarks of Music Tribe Global Brands Ltd. © Music Tribe Global Brands Ltd. 2023 All rights reserved.

## LIMITED WARRANTY

For the applicable warranty terms and conditions and additional information regarding Music Tribe's Limited Warranty, please see complete details online at [community.musictribe.com/pages/support#warranty](https://community.musictribe.com/pages/support#warranty).

## Controls

### DR115DSP/DR112DSP/DR110DSP Controls



1. DSP display – Backlit display for DSP functions.
2. AUX IN – Connect a media player via 1/8" TRS cable. Stereo signals are summed to mono. Control the input gain with the CH1 VOLUME knob.
3. BLUETOOTH LED – The blue LED will flash when Bluetooth is on and searching for a connection. When a successful connection is established, the LED will light solid.
4. BLUETOOTH BUTTON – Press to turn the Bluetooth function on and off. Use the MASTER control to adjust the volume.
5. OUTPUT – Sends the combined signals from CH1 and CH2 INPUTS out to another device via XLR male connector.
6. VENTS
7. MASTER – Rotate to control the overall volume level. Push the knob to access DSP functions, which are explained in the following chapter.
8. CH1 VOLUME – Rotate to adjust the gain for INPUT 1 and AUX IN. The knob should generally be set above the midway point for microphone signals or turned down for line-level signals.
9. CH2 VOLUME – Rotate to adjust the gain for INPUT 2. The knob should generally be set above the midway point for microphone signals or turned down for line-level signals.

10. CH1 INPUT – Connect audio sources using balanced XLR or 1/4" cables.
11. CH2 INPUT – Connect audio sources using balanced XLR or 1/4" cables.
12. POWER INPUT – Connect a standard IEC power cable. To replace a blown fuse, carefully remove the fuse holder with a small screwdriver, then replace the defective fuse with a new one of the same type. Push the fuse holder back into the slot until it snaps.
13. POWER SWITCH – After all audio connections have been made, flip the switch to the ON position to turn the speaker on. (DR115DSP only)
14. AUTO STAND-BY BUTTON – Press to activate the automatic standby function. When activated, the speaker will automatically turn off after 60 minutes without an input signal present. When the unit receives a signal again, the power will return automatically. (DR112DSP/DR110DSP only)
15. AUTO STAND-BY LED – The red LED will light when the automatic standby function is activated.
16. POWER BUTTON – After all audio connections have been made, press the button in to turn the speaker on. (DR112DSP/DR110DSP only)
17. FAN VENT

## DSP Functions

### • Sound Programs

Press the MASTER knob twice to enter the speaker's Sound Programs menu. 'MUSIC' will appear on the display. Press the MASTER knob again to select this program, or turn the MASTER knob to scroll through the other options – 'DJ', 'LIVE', 'SPEECH'. Press the MASTER knob to confirm your selection.

### 3-band EQ

Press the MASTER knob once and turn the MASTER knob to scroll through the 3-Band EQ menu: 'HIGH EQ' (treble), 'MID EQ' (mid-range), 'LOW EQ' (bass). Press the MASTER knob again to enter this frequency menu and turn the MASTER knob clockwise to boost the frequency up to 12 dB, or turn counterclockwise to reduce it by up to 12 dB. Press the MASTER knob to confirm your settings.

### • Boost

- Press the MASTER knob once and turn the MASTER knob until 'SUB' appears in the display. Press the MASTER knob again to enter the speaker's Boost menu.
- Turn the MASTER knob to select between OFF, 80, 100, 120 or 150 Hz, and press the MASTER knob again to confirm the selection, +6 dB output will be added at the selected frequency.

### • Delay

Press the MASTER knob once and turn the MASTER knob until DELAY appears, then press the MASTER knob again to exit this function. This function causes the signal to be delayed a small amount of time to allow the music to be played in time with speakers located further away (e.g. main speakers on stage plus additional speakers in a balcony).

### • LED Mode

Press the MASTER knob once and turn the MASTER knob until LED MODE appears, then press the MASTER knob to edit this function. Select 'ON' to always show a lit LED on the front panel while the speaker is powered on, or 'OFF' to turn the LED off. Select 'LIMIT' to allow the LED to indicate when either the HF or LF input limiter has engaged.

## Specifications

	DR115DSP	DR112DSP	DR110DSP
<b>Amplifier</b>			
Maximum output power	1400 W*	1200 W*	1000 W*
Type	Class-D + Class-AB		
Protection	—	Auto-standby, short circuit, open circuit, thermal	

## Controls

- Hardware Rotary push-encoder, input gain controls

## Loudspeaker/System Data

Woofers	1 x 15" (381 mm) LF driver	1 x 12" (305 mm) LF driver	1 x 10" (254 mm) LF driver
Tweeter	1 x 1.75" (44.4 mm) HF compression driver	1 x 1.35" (34.4 mm) HF compression driver	
Frequency response	45 Hz – 19 kHz (±3 dB)	50 Hz – 19 kHz (±3 dB)	55 Hz – 19 kHz (±3 dB)
Nominal dispersion	90° H x 60° V		
Maximum SPL	136 dB	134 dB	132 dB
Crossover	2-way, active		
Limiter	Independent input HF, LF		

## Audio Connections

Input 1/2	2 x XLR / 1/4" TRS combo jacks (servo-balanced)
Impedance	20 kΩ, balanced / 10 kΩ, unbalanced
Sensitivity	-26 dBu, nominal
Max. input level	0 dBu
Aux in	1 x 1/8" TRS, stereo
Output	1 x XLR
Impedance	200 Ω balanced, 100 Ω unbalanced
Max. output level	-7 dBu

## Digital Signal Processor (DSP)

Display	LCD 128 x 32, amber backlit
Factory EQ presets	Music, DJ, Live, Speech
Equalization	Low, Mid, High
Bass	±12 dB @ 80 Hz, shelving
Middle	±12 dB @ 2.5 kHz, parametric, Q = 0.5
Treble	±12 dB @ 12 kHz, shelving
Low-cut filter	80 / 100 / 120 / 150 Hz, switchable
Protection	Lockout function for all settings

## Bluetooth\*\*

Frequency range	2402 MHz ~ 2480 MHz
Channel number	79
Version	Bluetooth spec 4.2 compliant
Compatibility	Supports A2DP 1.2 profiles
Max. communication range	15 m (without interference)
Max. output power	< 10 dBm

## Power Supply/Voltage (Fuses)

USA / Canada / Japan	100-120 V~, 50/60 Hz (T 5 AL 250 V)	100-120 V~, 50/60 Hz (T 3.15 AL 250 V)
UK / Australia / Europe / Korea / China	230 V~, 50 Hz (T 3.15 AL 250 V)	230 V~, 50 Hz (T 2 AL 250 V)
Power consumption @ 1/8 max power	105 W	75 W
Mains connection	Standard IEC receptacle	

## Dimension/Weight

Dimensions (H x W x D)	687 x 422 x 390 mm (27.0 x 16.6 x 15.3")	602 x 359 x 359 mm (23.7 x 14.1 x 14.1")	521 x 302 x 312 mm (20.5 x 11.9 x 12.3")
Weight	21.6 kg (47.5 lbs)	17.2 kg (37.8 lbs)	13.3 kg (29.3 lbs)

- Independent of limiters and driver protection circuits.
- The Bluetooth® word mark and logos are owned by the Bluetooth SIG, Inc., and any use of such marks by



Music Tribe is under license.

## Other important information

1. Register online. Please register your new Music Tribe equipment right after you purchase it by visiting [musictribe.com](https://musictribe.com). Registering your purchase using our simple online form helps us to process your repair claims more quickly and efficiently. Also, read the terms and conditions of our warranty, if applicable.
2. Malfunction. Should your Music Tribe Authorized Reseller not be located in your vicinity, you may contact the Music Tribe Authorized Fulfiller for your country listed under "Support" at [musictribe.com](https://musictribe.com). Should your country not be listed, please check if your problem can be dealt with by our "Online Support" which may also be found under "Support" at [musictribe.com](https://musictribe.com). Alternatively, please submit an online warranty claim at [musictribe.com](https://musictribe.com) BEFORE returning the product.
3. Power Connections. Before plugging the unit into a power socket, please make sure you are using the correct mains voltage for your particular model. Faulty fuses must be replaced with fuses of the same type and rating without exception.

## FEDERAL COMMUNICATIONS COMMISSION COMPLIANCE INFORMATION

### Behringer

DR115DSP/DR112DSP/DR110DSP

- **Responsible Party Name:** Music Tribe Commercial NV Inc.
- **Address:** 122 E. 42nd St.1, 8th Floor NY, NY 10168, United States
- **Email Address:** [legal@musictribe.com](mailto:legal@musictribe.com).

**FCC ID: QWHDSP**

### DR115DSP/DR112DSP/DR110DSP

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 the receiver.
- Connect the equipment to 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.

This equipment complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

1. this device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

## Important information:

Changes or modifications to the equipment not expressly approved by Music Tribe can void the user's authority to use the equipment

### Caution!

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modification to this equipment. Such modifications could void the user authority to operate the equipment.

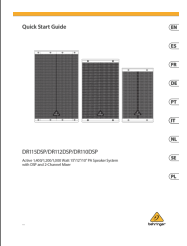
### FCC RF Radiation Exposure Statement:

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 centimeters between the radiator and your body.






Hereby, Music Tribe declares that this product is in compliance with Directive 2014/53/EU, Directive 2014/30/EU, Directive 2014/35/EU, Directive 2011/65/EU and Amendment 2015/863/EU, Directive 2012/19/EU, Regulation 519/2012 REACH SVHC and Directive 1907/2006/EC. Full text of EU DoC is available at <https://community.musictribe.com/>.

- **EU Representative:** Music Tribe Brands DK A/S
  - **Address:** Gammel Strand 44, DK-1202 København K, Denmark
  - **UK Representative:** Music Tribe Brands UK Ltd.
  - **Address:** 6 Lloyds Avenue, Unit 4CL London EC3N 3AX, United Kingdom.
- 

## Documents / Resources

	<a href="#">behringer DR115DSP PA Speaker System</a> [pdf] User Guide DR115DSP, DR112DSP, DR110DSP, DR115DSP PA Speaker System, PA Speaker System, S peaker System, System
---	--

## References

-  [Music Tribe](#)
-  [Music Tribe](#)
-  [Music Tribe](#)
-  [Music Tribe](#)
-  [Music Tribe](#)