


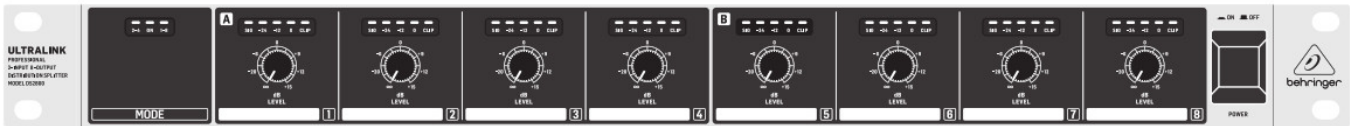


behringer DS2800 Professional 2-Input 8-Output Distribution Splitter User Guide

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Quick Start Guide



DS2800 Professional 2-Input 8-Output Distribution Splitter

Important Safety Instructions

	CAUTION RISK OF ELECTRIC SHOCK! DO NOT OPEN!	
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Terminals marked with this symbol carry an electrical current of sufficient magnitude to constitute a risk of electric shock. Use only high-quality professional speaker cables with ¼" TS or twist-locking plugs pre-installed. All other installation 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 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 repair has 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 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 is 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 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.



7. 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. Do not install in a confined space, such as a bookcase or similar unit. Do not place naked flame sources, such as lighted candles, on the apparatus.
18. Please keep the environmental aspects of battery disposal in mind. Batteries must be disposed of at a battery collection point.
19. This apparatus may be used in tropical and moderate climates up to 45°C.

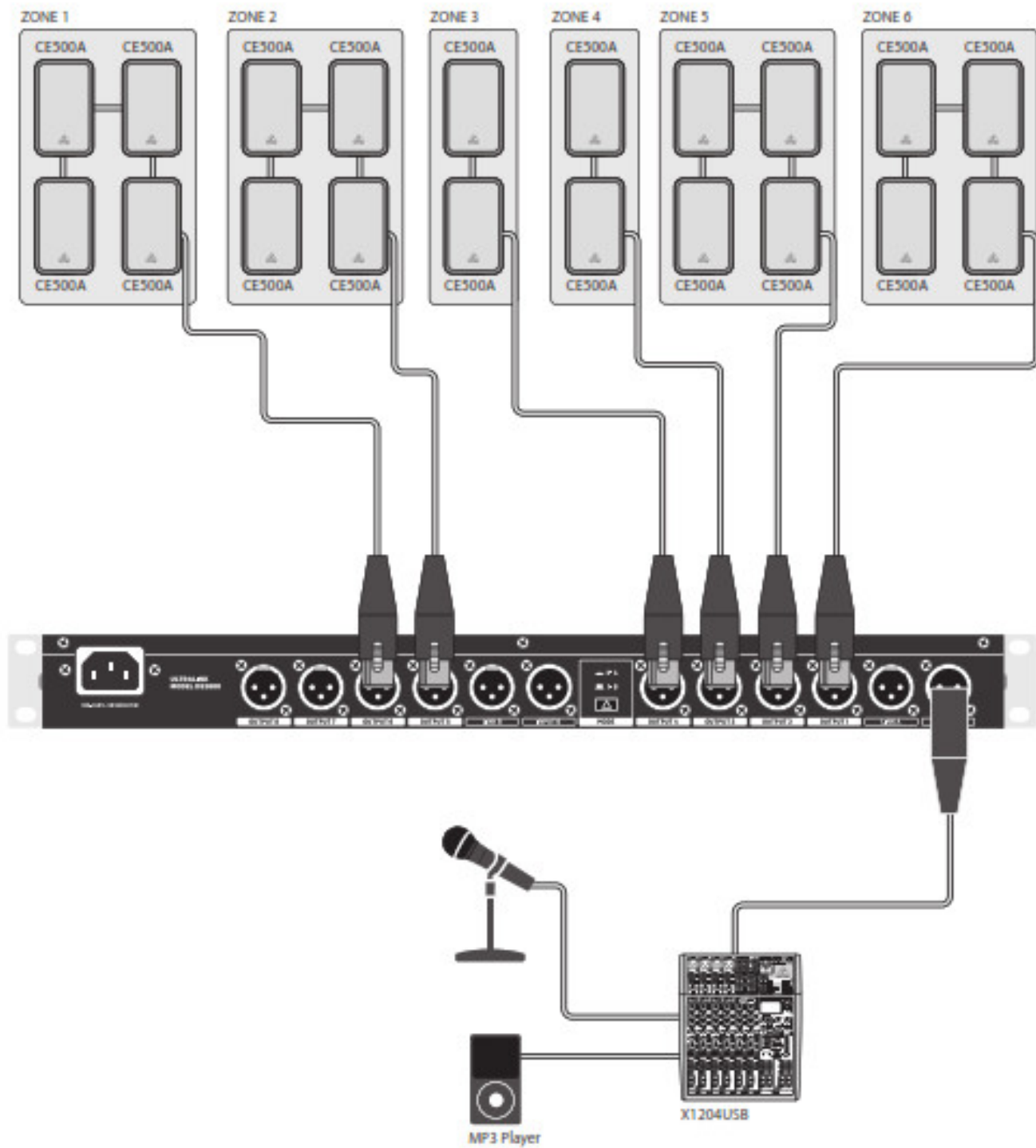
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LEGAL DISCLAIMER

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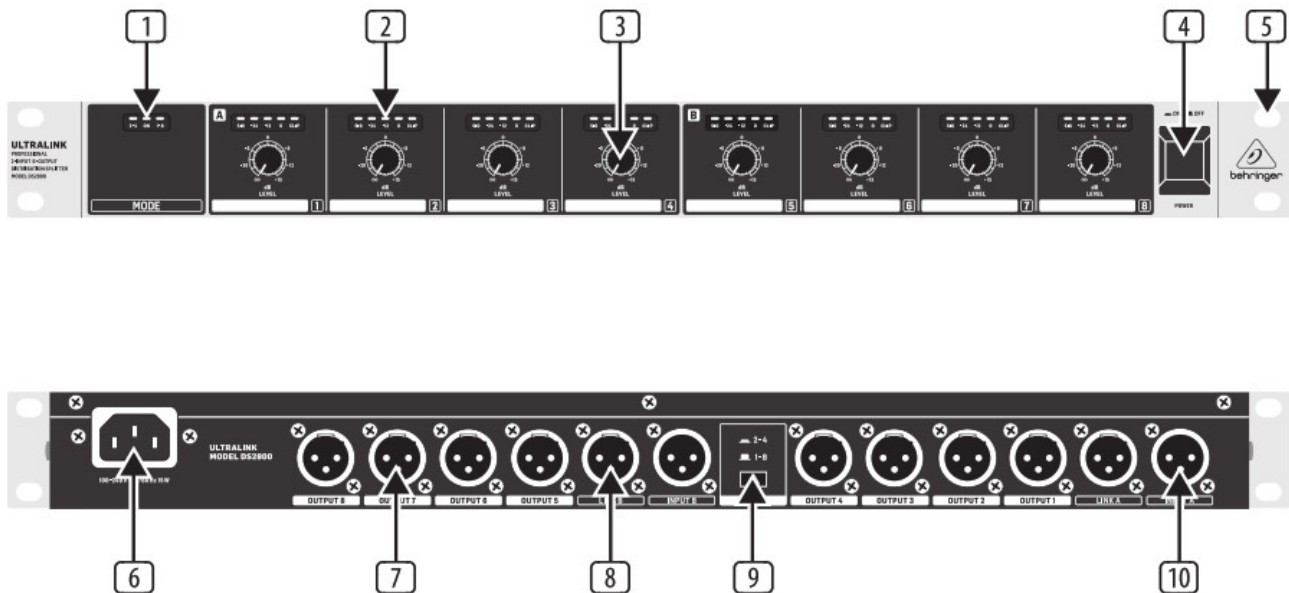
Step 1: Hook-Up



Installed sound setup for restaurant or shop with multiple zones (1-in/8-out mode)

DS2800 Controls

Step 2: Control



1. **MODE** indicator LEDs light up to show the unit is powered on (ON) and to indicate whether the unit is in 2-in/4-out mode (2-4) or 1-in/8-out mode (1-8).
2. **OUTPUT CHANNEL METER** LEDs show the output level for each channel. The CLIP LED should only light occasionally. If the CLIP LED lights continuously, rotate the channel's LEVEL knob counter-clockwise to reduce the output level.
3. **LEVEL** knobs control the output level for each output channel.
4. **POWER** button turns the unit on when the button is pressed inward and latched in the ON position. To turn the unit off, press the button inward to unlatch and then release the button to the outward of position.
5. **RACK EARS** allows you to mount and fix the unit into a standard 1U rack space.
6. **POWER** jack connects the unit to AC power by using the included IEC cable.
7. **OUTPUT** jacks send out copies of the input signals received from the INPUT A/B jacks. Each OUTPUT jack uses balanced cables with XLR connectors and has a dedicated LEVEL control on the front panel.
8. **LINK A/B** outputs send out exact copies of the INPUT A/B signals over balanced cables with XLR connectors. The LINK output levels are not adjustable.
9. **MODE** switch toggles between 2-in/4-out mode (2-4, in the inward, latched position) and 1-in/8-out mode (1-8, in the outward, un-latched position).
10. **INPUT A/B** jacks accept audio signals from devices that use balanced audio cables with XLR connectors. When the DS2800 is in 1-in/8-out mode (1-8), only the INPUT A XLR jack is active. When in 2-in/4-out mode (2-4), INPUT A and INPUT B are both active, and each INPUT jack feeds the signal to four output jacks (OUTPUT jacks 1-4 for INPUT A, and OUTPUT jacks 5-8 for INPUT B).

DS2800 Getting started

Step 3: Getting started

1. Connect the DS2800 to a power outlet by using the included IEC power cable.
2. Turn all LEVEL knobs down to the fully counter-clockwise setting.
3. Choose the desired input-output mode by toggling the MODE switch to either the 2-in/4-out mode setting (2-4, in the inward, latched position) or the 1-in/8-out mode setting (1-8, in the outward, un-latched position).
4. Connect your audio source devices to the INPUT A/B XLR jacks.

NOTE: When the device is in 1-in/8-out mode (1-8), only the INPUT A XLR jack is active. When in 2-in/4-out mode (2-4), INPUT A and INPUT B are both active, and each INPUT jack feeds the signal to four output jacks (OUTPUT jacks 1-4 for INPUT A, and OUTPUT jacks 5-8 for INPUT B).

5. Connect the OUTPUT and LINK jacks to devices farther down your signal chain.
6. Power on the DS2800 by pressing the POWER button to the inward latched ON position.
7. While playing audio from your source devices, rotate each OUTPUT jack's dedicated LEVEL knob until you reach an output level where the CLIP LED in each OUTPUT CHANNEL METER only lights occasionally. If the CLIP LED for a particular channel lights up continuously, lower the output level by rotating the related LEVEL knob counter-clockwise until the CLIP LED only lights occasionally.

Specifications

Audio Connections	
Input A/ B	XLR, balanced
Input impedance	10 kΩ balanced, 6.6 MΩ unbalanced
Max. input level	+21dBu
CMRR	64dB typ. @ 1 kHz
linkA/B	XLR, balanced
Output 1 —8	XLR, balanced
Max. output level	+28dBu
System	
Frequency response	10 Hz to 75 kHz (±3 dB)
Dynamic range	117dB
Distortion (THD)	0.001% typ. @ +4 dBu, 1 kHz, Gain 1
Crosstalk	<-77 dB@ 1 kHz
Signal-to-noise ratio	20 Hz to 20 kHz, >97 dB (0 dBu)
Function Controls/ Switches	
Output level	-∞ ... + 15dB, variable
Mode	1-8 / 2 —4, switchable
Displays	
Power ON	LED indicator
Output level	5-digit LED display: sig / -24 / -12 / 0 dB
Mode	Status LED Indicator
Power Supply	
Type	Switch-mode auto-range power supply
Main voltage	100-240 V, 50/60 Hz
Power consumption	15W
Mains connection	Standard IEC receptacle
Dimension/ Weight	
Dimensions (H x W x D)	44x483 x 148 mm (1.7 x 19.0 x 5.8")
Weight	1.6 kg (3.5 lbs)

Other important information

1. Register online.

Please register your new Music Tribe equipment right after you purchase it by visiting 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. 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. Alternatively, please submit an online warranty claim at musictribe.com BEFORE returning the product.

2. 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
DS2800**

Responsible Party Name:	Music Tribe Commercial NV Inc.
Address	5270 Procyon Street, Las Vegas NV 89118, United States
Phone Number:	+1 702 800 8290

DS2800

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.

This device 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.

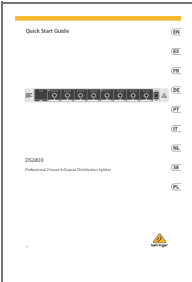



Hereby, Music Tribe declares that this product is in compliance with Directive 2014/35/EU, Directive 2014/30/EU, Directive 2011/65/EU and Amendment 2015/863/EU, Directive 2012/19/EU, Regulation 519/2012 REACH SVHC and Directive 1907/2006/EC.





Full text of EU DoC is available at <https://community.musictribe.com/>
EU Representative: Music Tribe Brands DK A/S
Address: Ib Spang Olsens Gade 17, DK – 8200 Aarhus N, Denmark

We Hear You

Documents / Resources

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References

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