

DAP DRX-18BA

DAP Audio DRX-18BA Active Subwoofer User Manual

Model: DRX-18BA (D3647)

1. INTRODUCTION

Thank you for purchasing the DAP Audio DRX-18BA Active Subwoofer. This powerful 18-inch active subwoofer is designed to deliver robust low-frequency sound reinforcement for various professional audio applications. To ensure optimal performance, longevity, and safe operation, please read this manual thoroughly before setup and use. Keep this manual for future reference.

2. SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent electric shock, fire, or injury.

- **Power Supply:** Connect the unit only to a grounded mains socket with the correct voltage (110-120V or 220-240V AC, 50/60Hz) as indicated on the unit.
- **Grounding:** Ensure the power cord's grounding pin is always connected. Do not defeat the grounding purpose.
- **Moisture:** Do not expose the unit to rain or moisture. Do not place objects filled with liquids, such as vases, on the unit.
- **Ventilation:** Ensure adequate ventilation. Do not block ventilation openings. Maintain a minimum distance of 10 cm (4 inches) from walls or other objects.
- **Heat:** Do not place the unit near heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- **Cables:** Protect power cords from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- **Servicing:** 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.
- **Weight:** The unit is heavy (approximately 36.72 kg). Use proper lifting techniques or assistance when moving to prevent injury.
- **Placement:** Place the subwoofer on a stable, level surface capable of supporting its weight.

3. SETUP

3.1 Unpacking

Carefully remove the subwoofer from its packaging. Inspect the unit for any signs of damage that may have occurred during transit. Retain the original packaging for future transport or storage.

3.2 Physical Placement

Position the subwoofer on a firm, level surface. For optimal bass response, consider placing the subwoofer in a corner or near a wall. Ensure there is sufficient space around the unit for proper ventilation, especially around the rear panel where the amplifier and cooling fan are located.



Figure 3.2.1: Front and side view of the DAP Audio DRX-18BA Active Subwoofer, showing its robust enclosure and integrated handles.

3.3 Connections

Before making any connections, ensure the subwoofer's power switch is in the OFF position and the volume control is set to minimum.

- **Audio Input:** Connect your audio source (e.g., mixer, audio interface) to the subwoofer's input connectors. The DRX-18BA features XLR Combo Female Left and XLR Female Right input connectors. Use balanced XLR cables for best performance.
- **Audio Output:** Use the 2 XLR Male L/R output connectors to link the subwoofer to full-range loudspeakers or other audio equipment. These outputs typically pass through the input signal, often with a high-pass filter applied if the HPF bypass is not engaged.
- **Power Connection:** Once all audio connections are made, connect the supplied power cable to the AC IN socket on the rear panel and then to a suitable grounded mains outlet.



Figure 3.3.1: Rear panel of the DAP Audio DRX-18BA Active Subwoofer, showing the input/output connectors, controls, and cooling fan.

4. OPERATING INSTRUCTIONS

4.1 Controls and Indicators

- **Volume:** Adjusts the overall output level of the subwoofer. Start with this control at minimum and gradually increase to the desired level.
- **Power Switch:** Turns the subwoofer ON or OFF. Always turn on the subwoofer last in your audio chain and turn it off first.
- **Ground Lift:** Helps eliminate hum or buzz caused by ground loops. Engage this switch if you experience such noise.
- **Phase:** Reverses the phase of the subwoofer's output (0° or 180°). Adjust this to achieve optimal acoustic alignment with your full-range speakers, ensuring the bass frequencies are in phase.
- **HPF Bypass:** Engages or bypasses the internal High-Pass Filter (HPF). When engaged, the HPF typically filters out frequencies below 800 Hz from the output signal sent to linked full-range speakers.
- **Power Indicator:** Illuminates when the unit is powered ON.
- **Clip Indicator:** Illuminates when the input signal is too high, causing distortion. If this light flashes frequently or stays lit, reduce the input volume from your source or the subwoofer's volume control.

4.2 Basic Operation

1. Ensure all connections are secure and correct.
2. Set the subwoofer's Volume control to its minimum position.
3. Turn on your audio source and any connected full-range speakers.
4. Flip the Power switch on the DRX-18BA to the ON position. The Power indicator should illuminate.
5. Gradually increase the Volume control on the subwoofer until the desired bass level is achieved.
6. Monitor the Clip indicator. If it flashes excessively, reduce the input signal level or the subwoofer's volume.
7. Adjust the Phase switch to find the setting that provides the most coherent and impactful bass response in your listening environment.
8. When finished, turn off the subwoofer first, then your full-range speakers and audio source.

5. MAINTENANCE

Proper maintenance ensures the longevity and reliable operation of your subwoofer.

- **Cleaning:** Disconnect the power before cleaning. Use a soft, dry cloth to wipe down the exterior. Do not use abrasive cleaners, solvents, or waxes.
- **Ventilation:** Regularly check that the ventilation openings and the cooling fan on the rear panel are free from dust and debris. Use a soft brush or compressed air to clear any blockages.
- **Storage:** If storing the unit for an extended period, place it in its original packaging in a dry, temperature-controlled environment.
- **Inspection:** Periodically inspect the power cord and audio cables for any signs of damage. Replace damaged cables immediately.

6. TROUBLESHOOTING

If you encounter issues with your DRX-18BA subwoofer, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
No sound output	Unit not powered on. Volume control set too low. Incorrect or loose audio cables. Audio source not sending signal.	Check power switch and power indicator. Increase Volume control. Verify all audio cable connections. Check audio source output.
Distorted sound / Clip light on	Input signal too high. Subwoofer volume too high.	Reduce output level from your audio source. Decrease the subwoofer's Volume control.
Humming or buzzing noise	Ground loop. Faulty cable.	Engage the Ground Lift switch. Try a different audio cable.

If the problem persists after trying these solutions, contact qualified service personnel or your dealer for assistance.

7. SPECIFICATIONS

System Type	Active Subwoofer
Continuous Power	700 W
Frequency Response (-6 dB)	40 Hz - 120 Hz
SPL (1W/1M)	98 dB / 126 dB (Max)
Woofer	18" / 3" Voice Coil with Ventilation
Input Connectors	XLR Combo Female Left, XLR Female Right
Output Connectors	2 x XLR Male L/R
Input Level	0 dBu
Controls	Volume, Power, Ground Lift, Phase, HPF Bypass

Indicators	Power, Clip
Power Supply	110-120 V / 220-240 V, 50/60 Hz
Construction	Plywood, Scratch-Resistant Black Finish
Pole Mount	2 x Standard 35 mm Metal
Dimensions (H x W x D)	535 x 661 x 515 mm
Net Weight	36.72 kg

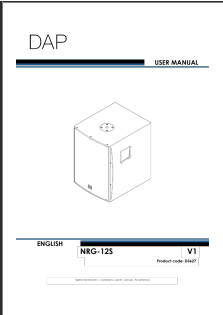
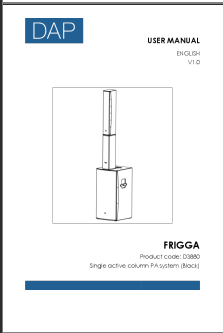
8. WARRANTY AND SUPPORT




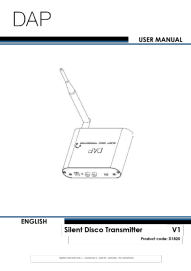
For warranty information, please refer to the warranty card included with your product or contact your local DAP Audio dealer. For technical support or service inquiries, please contact the authorized DAP Audio service center in your region. Keep your proof of purchase for warranty claims.

You can find more information and contact details on the official DAP Audio website:www.dap-audio.com

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Related Documents - DRX-18BA

	<p>DAP NRG-12S Passive Subwoofer User Manual</p> <p>Comprehensive user manual for the DAP NRG-12S passive 12-inch subwoofer, covering safety, installation, operation, maintenance, and troubleshooting.</p>
	<p>DAP FRIGGA D3880 Active Column PA System User Manual</p> <p>User manual for the DAP FRIGGA D3880 single active column PA system. Covers setup, installation, operation, safety, troubleshooting, and specifications for professional audio use.</p>

	<p>DAP DPS-640 6.5" 40W Pendant Speaker User Manual</p> <p>User manual for the DAP DPS-640 6.5" 40W Pendant Speaker, covering installation, setup, safety, maintenance, and troubleshooting. Designed for 70/100V line or conventional audio installations.</p>
	<p>DAP CDI-160BT Quick Start Guide: CD/Media Player with DAB+, FM, Internet Radio</p> <p>Concise guide to installing, setting up, and operating the DAP CDI-160BT, a professional 19-inch rack-mountable CD and media player with DAB+, FM, and internet radio capabilities. Includes safety, specifications, and maintenance information.</p>
	<p>DAP Foam Sealant: Application, Safety, and Technical Guide</p> <p>Comprehensive guide to using DAP foam sealant, covering specifications, safety precautions, preparation, application techniques, storage, reuse, disposal, and warranty information.</p>
	<p>DAP Silent Disco Transmitter User Manual (D1820)</p> <p>Comprehensive user manual for the DAP Silent Disco Transmitter (Model D1820) by Highlite International, covering setup, operation, safety, maintenance, and troubleshooting for professional silent disco events.</p>