

DPA 4188 CORE

DPA 4188 CORE Slim Directional Flex Headset Microphone User Manual

Model: 4188 CORE (4188-DC-F-F00-MH)

1. INTRODUCTION

Thank you for choosing the DPA 4188 CORE Slim Directional Flex Headset Microphone. This manual provides essential information for the proper setup, operation, and maintenance of your new headset microphone. Please read these instructions carefully before use to ensure optimal performance and longevity of the product.

1.1 Product Overview

The DPA 4188 CORE is a high-quality, lightweight, and flexible 2-ear headset microphone designed for a wide variety of live applications, including conferences and speeches. It features a cardioid polar pattern, which focuses on the speaker's voice while minimizing ambient room noise. The adjustable boom allows for precise microphone placement, ensuring clear audio capture.

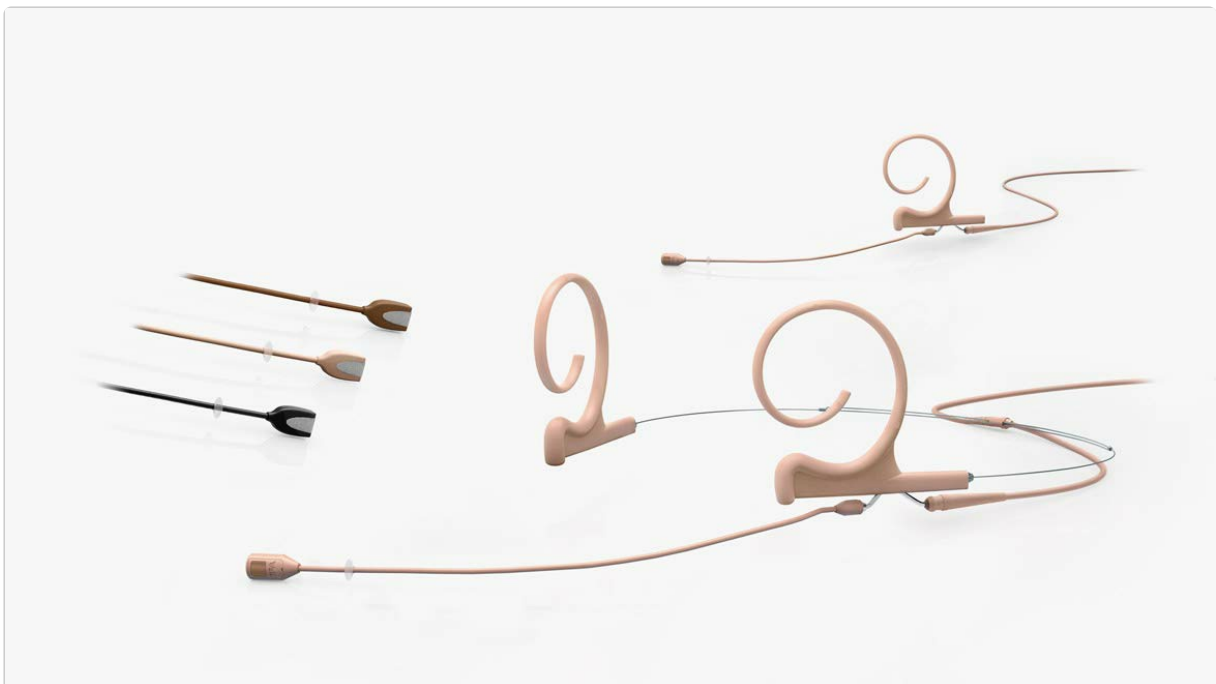


Figure 1.1: DPA 4188 CORE Slim Directional Flex Headset Microphone. This image shows the beige headset microphone with its flexible boom and MicroDot connector.

1.2 Package Contents

Verify that all items are present in the package:

- DPA 4188 CORE Slim Directional Flex Headset Microphone (Beige, Medium Length)
- MicroDot Connector (integrated)
- User Manual (this document)

2. SAFETY INFORMATION

Please observe the following safety precautions to prevent damage to the device and ensure user safety:

- Do not expose the microphone to extreme temperatures, humidity, or direct sunlight.
- Avoid dropping or subjecting the microphone to strong impacts.
- Do not attempt to disassemble or modify the microphone. This will void the warranty.
- Keep the microphone away from liquids. If liquid enters the device, disconnect it immediately and contact support.
- Use only approved accessories and connectors.
- Ensure proper ventilation if used in an enclosed space.

3. SETUP

3.1 Connecting the Microphone

The DPA 4188 CORE features an integrated MicroDot connector. This connector allows for compatibility with various wireless systems and preamplifiers via DPA's adapter system (adapters sold separately).

1. Identify the appropriate DPA adapter for your wireless transmitter or audio interface.
2. Carefully connect the MicroDot connector from the headset microphone to the adapter. Ensure a secure fit.
3. Connect the adapter to your audio input device (e.g., wireless transmitter, mixer input).

3.2 Wearing the Headset

The 4188 CORE is a 2-ear headset designed for stability and comfort.

1. Gently place the headset over your ears, ensuring the ear hooks sit comfortably and securely.
2. Adjust the headband for a snug fit around the back of your head. The headset is designed to accommodate various head shapes.
3. Position the microphone boom. The boom is flexible and can be rotated to place the microphone capsule optimally.

4. OPERATING INSTRUCTIONS

4.1 Microphone Placement

Optimal microphone placement is crucial for achieving the best sound quality.

- **Positioning:** Place the microphone capsule approximately 1-2 cm (0.4-0.8 inches) from the corner of your mouth.
- **Angle:** Angle the capsule towards your mouth. The cardioid polar pattern is directional, meaning it picks up

sound primarily from the front and rejects sound from the sides and rear.

- **Boom Adjustment:** Utilize the flexible and rotating boom to find the "sweet spot" for your voice, ensuring consistent audio levels and clarity.

4.2 Usage Tips

- **Gain Staging:** Set the input gain on your connected audio device (e.g., wireless transmitter, mixer) appropriately to avoid clipping or distortion. Start with a lower gain and gradually increase it while speaking at your normal volume.
- **Wind Noise:** For outdoor use or in windy conditions, consider using an optional wind screen (not included) to reduce unwanted noise.
- **Proximity Effect:** While the cardioid pattern helps reduce background noise, speaking too close to the microphone can result in an exaggerated bass response (proximity effect). Adjust placement for a balanced sound.

5. MAINTENANCE

5.1 Cleaning

Regular cleaning helps maintain the microphone's performance and hygiene.

- Wipe the headset frame and boom (made of Stainless Steel) with a soft, damp cloth.
- For the microphone capsule, use a dry, soft brush or a cotton swab to gently remove any dust or debris.
- Do not use harsh chemicals, solvents, or abrasive cleaners.
- Ensure the microphone is completely dry before storage or next use.

5.2 Storage

When not in use, store the microphone in a clean, dry place, away from extreme temperatures and direct sunlight. Using a protective case (not included) is recommended to prevent physical damage.

6. TROUBLESHOOTING

If you encounter issues with your DPA 4188 CORE microphone, refer to the following common problems and solutions:

- **No Sound Output:**
 - Check all cable connections, ensuring the MicroDot connector and adapter are securely attached to your audio device.
 - Verify that the audio input on your device is selected and active.
 - Confirm that the gain level on your audio device is not set to minimum.
 - Test with a different adapter or audio input if possible.
- **Poor Sound Quality (Distortion, Low Volume):**
 - Adjust the microphone placement relative to your mouth (refer to Section 4.1).
 - Check the input gain on your audio device. Too high gain can cause distortion; too low can result in low volume.
 - Ensure there are no obstructions on the microphone capsule.
 - Verify that the connected audio device is functioning correctly.
- **Excessive Background Noise:**

- Re-check microphone placement and angle to ensure the cardioid pattern is effectively rejecting off-axis sounds.
- Minimize ambient noise in your environment if possible.
- Consider using a wind screen if operating in windy conditions.

If the problem persists after trying these solutions, please contact DPA support.

7. SPECIFICATIONS

Feature	Detail
Brand	DPA
Model Name	4188 CORE
Model Number	4188-DC-F-F00-MH
Connectivity Technology	Wired
Connector Type	MicroDot
Polar Pattern	Unidirectional (Cardioid)
Recommended Uses	Speech, Video Conference
Special Feature	Lightweight, Flexible 2-ear headset
Compatible Devices	Headphone (referring to headset form factor)
Color	Beige
Included Components	Microphone
Microphone Form Factor	Headset Microphone
Power Source	Corded Electric (requires phantom power or compatible wireless transmitter)
Signal-to-Noise Ratio	60 dB
Audible Noise	60 Decibels (Self-noise, A-weighted)
Enclosure Material	Stainless Steel
Item Weight	0.52 Pounds (approx. 236 grams)
Item Dimensions (LxWxH)	9.15 x 5.65 x 1.65 inches (approx. 23.2 x 14.4 x 4.2 cm)

8. WARRANTY AND SUPPORT

8.1 Warranty Information

The DPA 4188 CORE Slim Directional Flex Headset Microphone comes with a **2-Year Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper maintenance. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact DPA Microphones customer support.

- **Website:** Visit the official DPA Microphones website for support resources, FAQs, and contact information.
- **Contact:** Refer to the contact section on the DPA Microphones website for phone numbers or email addresses specific to your region.

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