

5100 MOBILE SURROUND MICROPHONE



DPA 
MICROPHONES

Plug-and-play solution

Lightweight and portable

Rich, smooth and fully enveloping sound character

Discrete 5.1 analog output – no processing needed

Professional microphone solutions for any need





Close your eyes and listen

You are absolutely immersed in breathtakingly full, natural surround sound—as if you are present while the recording is being made. In fact, you find that you keep opening your eyes for a “reality check” because your ears are deceiving you. The microphones responsible? DPA, of course.

Although DPA has technically only been in existence since 1992, our company draws on more than five decades of world-class microphone design experience going back to the first range of measurement microphones created by our progenitor, Brüel & Kjær, in the 1950s.

Over the past 16 years, we have expanded from a tiny initial staff of only two people to well over 100 and are now represented by professional audio distributors and dealers in more than 40 countries around the world. In the past five years alone, we have experienced an average annual growth of 25 percent, and, in 2007, were presented with the prestigious King Frederik IX’s award for outstanding contribution to Danish export.

The reason for our success is simple: DPA’s ultimate goal is to provide you—whether you’re in live sound, recording, theater or broadcast—with the absolute finest possible microphone solutions for your tasks. We take no shortcuts in our design processes nor make any compromises in our manufacturing, which is all done in Denmark. As a result, our products are globally praised for their exceptional clarity and transparency, superb specifications, supreme reliability and, above all, pure, uncolored and undistorted sound.

Those enviable qualities, of course, certainly carry over into our range of products and accessories for surround sound applications. So regardless of whether you are a longtime DPA user or potential new customer, we thank you for your interest in our products and look forward to delighting you beyond your expectations.



DPA 5100 Mobile Surround Microphone

The DPA 5100 is an exciting new mobile surround microphone whose compact size and ease of use come at no sacrifice to its stunning sound quality. Ideal for bringing truly engaging surround ambience to HDTV production—with no additional signal processing required—the versatile 5100 can be mounted on a camera or microphone stand, suspended, or simply handheld via a hand grip. Extremely lightweight and portable, the unit sports a surprisingly robust build quality that is also highly resilient to inclement weather conditions.

A completely self-contained plug-and-play solution for 5.1 audio capture, the 5100 employs five miniature pressure transducers that exhibit extremely low sensitivity to wind and mechanical noise, low distortion, highly consistent low frequency response and enormous dynamic range. Appropriate channel separation and directionality are achieved through a combination of DPA's proprietary DiPMic™ (Directional Pressure Microphone) technology, which mounts interference tubes on the L/C/R capsules, and the use of acoustic baffles that further preserve the accuracy of levels between the discrete analog output channels.

The 5100's three front microphones are time coincident to eliminate comb filtering and ensure paramount frequency consistency when downmixing to stereo or mono. In contrast, the rear microphones, which feature standard omnidirectional patterns, are optimally spaced from both each other and the front array to simulate the most natural time arrival differences. The LFE (.1) channel is comprised from a L/R sum, which is then attenuated 10 dB in comparison with the signal from the main channels in accordance with the 5.1 format.

The end result of DPA's innovative design approach is a surround atmosphere that is rich, smooth and fully enveloping, exemplary in its coherence, channel separation and localization accuracy.

The 5.1 output of the 5100 runs through a multi-pin Lemo connector carrying all six channels electronically balanced, while an enclosed five-meter (16 ft), six-pair Mogami cable breaks out to six Neutrik XLR-M connectors. The center channel can be overridden by an external boom or lavalier microphone attached via a built-in XLR-F connector—a particularly useful amenity for interview and documentary situations.



Accessories

Accessories included

DAO5105 Lemo 2B series multipin to 6xXLR-M, 5 m (16.4 ft)

RC5100 RainCover for 5100

DYS0917 Thread Adapter

Accessories available

DAO5110 Lemo 2B series multipin to 6xXLR-M, 10 m (32.8 ft)

DAO5120 Lemo 2B series multipin to 6xXLR-M, 20 m (65.6 ft)

DAO5150 Lemo 2B series multipin to 6xXLR-M, 50 m (164 ft)

DUA0100 Stand Extension, 100 mm (4 in)

DUA0500 Stand Extension, 500 mm (20 in)

Size and weight

Size

W: 248 mm (9.8 in)

H: 139 mm (5.5 in)

D: 202 mm (8 in)

Weight

450 g (15.9 oz)

See www.dpamicrophones.com
for specifications.





DPA

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