



# DPA 2017 Shotgun Microphone

A professional shotgun microphone that captures authentic sound with high clarity and consistency.



## PRODUCT SPECIFICATION

### Key Selling Points

- Accurate, clean sound from the primary sound source combines effortlessly with natural sound captured off-axis
- Extraordinary durability, with reinforced construction to perform in challenging environments, including high humidity
- Outstanding off-axis rejection for optimal isolation of the desired sound source
- Extremely directional pick-up pattern, with an effective interference tube in a compact housing
- Easy to set up, position and use in fixed positions, on booms and on camera systems
- Low self-noise, for excellent performance in quiet environments or with many open microphones

### Delivery includes

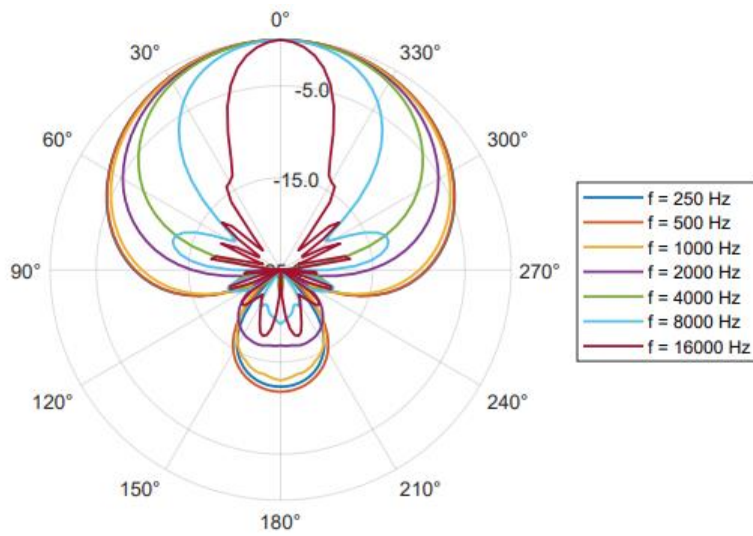
1x 2017 Shotgun Microphone

1x Microphone Holder

1x Windscreen

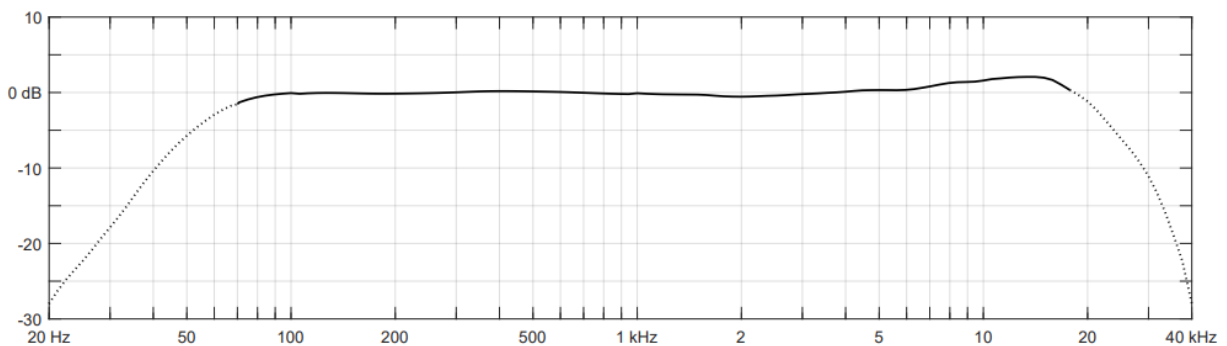
1x Practical zip pouch for storage and transport

## Polar pattern

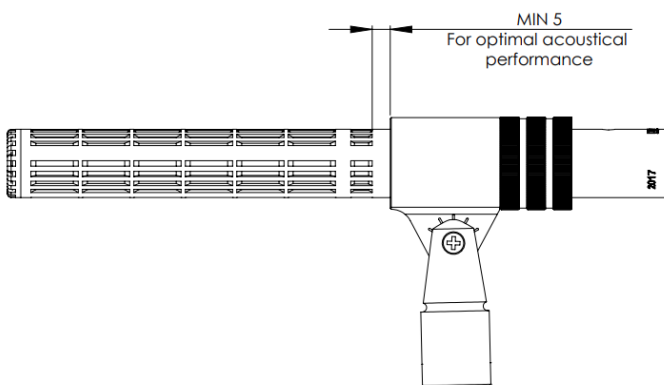


*2017 polar pattern: We have gone the extra mile to make the off-axis rejection as effective as possible and to create an off-axis response that is more uniform and linear than most other similar shotguns on the market.*

## Frequency response



DPA 2017 frequency curve measured at 60 cm (23.6 in)



## Specification

|   |   |
|---|---|
| Directional pattern                       | Supercardioid at 1 kHz  |
| Principle of operation                    | Pressure gradient, with interference tube                               |
| Cartridge type                            | Pre-polarized condenser   |
| Frequency response                        | 20 Hz - 20 kHz, permanent third order high pass filter* at 60 Hz        |
| Effective frequency range, $\pm 2$ dB     | 70 Hz to 18 kHz at 60 cm (23.6 in), with typ. 2 dB soft boost at 15 kHz |
| Sensitivity, nominal, $\pm 2$ dB at 1 kHz | 25 mV/Pa; -32 dB re. 1 V/Pa   |
| Equivalent noise level, A-weighted        | Typ. 13 dB(A) re. 20 $\mu$ Pa (max. 15 dB(A))                           |
| Distortion, THD < 1%                      | 140 dB SPL RMS, 143 dB SPL peak   |
| Dynamic range                             | Typ. 130 dB   |
| Max. SPL, THD 10%                         | 148 dB SPL peak   |
| Rated output impedance                    | 60 $\Omega$   |
| Minimum load impedance                    | 2 k $\Omega$  |
| Cable drive capability                    | 100 m (328 ft)  |
| Output balance principle                  | Impedance balancing with Active Drive                                   |
| Common mode rejection ratio (CMRR)        | >60 dB  |
| Power supply (for full performance)       | P48 (Phantom Power)   |
| Current consumption                       | 1.8 mA  |
| Connector                                 | XLR-3M. Pin 1: shield, Pin 2: signal + phase, Pin 3: - phase            |
| Color                                     | Black   |
| Weight                                    | 115 g (4.1 oz)  |
| Microphone diameter                       | 19 mm (0.75 in)   |
| Capsule diameter                          | 17 mm (0.67 in)   |
| Microphone length                         | 184 mm (7.24 in)  |
| Maximum output voltage, RMS               | 8.7 V (21 dBu)  |
| Polarity                                  | +V at pin 2 for positive sound pressure                                 |
| Temperature range                         | -40°C to 45°C (-40°F to 113°F)  |
| Relative humidity (RH)                    | Up to 90%   |
| Modularity                                | No  |

## INSTRUCTION MANUAL

### Important safety instructions

1. Only use attachments, accessories and spare parts recommended by DPA Microphones.
2. Connect the microphone only to microphone inputs and power supplies that provide 48 V phantom power.
3. Avoid opening the product housing yourself. Opening the device will void the warranty.
4. Service should only be performed by qualified personnel. Servicing is necessary if the product has sustained damage, is not functioning normally, or has been dropped.
5. Operate the product only under the usage conditions listed in the specifications.
6. Allow the product to reach ambient temperature before switching it on.
7. Do not use the product if it was damaged during transportation.
8. Keep the product and its connections away from liquids and electrically conductive objects that are not necessary for operating the product.
9. Avoid using solvents or aggressive cleaning agents to clean the device.

### Intended use

This product is suitable for both indoor and outdoor applications, including commercial use. Please ensure you use the product as outlined in the user manual. Any use outside the recommended applications is considered improper and may result in damage. DPA does not accept liability for any damage resulting from misuse of this product or its accessories.

### Cleaning

To clean the 2017, wipe down the surface of the mic with a cloth moistened sparingly with water and soap.

To disinfect the 2017, wipe down the surface of the mic with a cloth moistened sparingly with an isopropyl alcohol and water solution\*. Make sure that no isopropyl alcohol meets the microphone membrane.

\* Pure isopropyl alcohol evaporates too quickly on surfaces to kill germs. By adding 20% water, its disinfectant properties will be extended for enough time to work properly.

Read more about cleaning microphones: <https://www.dpamicrophones.com/mic-university/proper-mic-hygiene>

## Warranty

The 2017 Shotgun Microphone comes with 2 years' limited warranty.

Read more about DPA's warranty terms: <https://www.dpamicrophones.com/warranty>

## RoHS Directive

DPA Microphones A/S complies fully with Directive 2011/65/EC on the Restriction of Hazardous Materials (RoHS). That is, DPA Microphones A/S confirms that all products supplied from us after July 1, 2006 will meet the requirements of the RoHS directive.

All necessary dispositions have been taken in relation with our suppliers to ensure that constitutive materials do not include any substance forbidden by the regulation currently applicable on the market. Our main efforts have been to ensure that all soldering spots are made leadless, but also all components have been screened and substituted when required.

This means that all DPA products sold after July 1, 2006 are fully compliant with the RoHS directive with the exception of:

- High-voltage Microphone Amplifier & Power Supply type HMA 4000-II that may no longer be sold (or given) in areas or countries, where the RoHS directive 2011/65/EC applies.

## WEEE Directive

DPA Microphones A/S complies fully with Directive 2012/19/EC on the Waste from Electrical and Electronic Equipment (WEEE). That is, from Jan. 1, 2006 all DPA products that need to be recycled or handled separately are marked with the WEEE label in accordance with the directive. DPA Microphones A/S is prepared to accept scrapped equipment from customers and sort them for later waste disposal. Since not all equipment is marked with a serial number, it has been decided to accept all earlier sold equipment for waste disposal.

Please observe that although DPA is accepting used equipment for service that may later be scrapped, it is a national obligation to fulfill the requirements of the WEEE directive. It is not legal to ship waste products across borders for disposal.

Thus, national distributors are obliged to register in accordance with their national legislation. And, as the interpretation of the directive may vary slightly from one area or country to another for which the directive applies, it will be up to the national distributors to accept waste equipment from end users and dispose it according to the national laws.

Since the amount (and weight) of waste DPA products is extremely sparse, it is recommended to register on an individual basis.