



4055 Kick Drum Microphone



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Description

This 4055 Kick Drum Microphone has been optimized to pick up the true sound of the kick (bass) drum. This microphone delivers the renowned DPA sound, clarity and linear frequency response, both on axis and off axis. The low frequency response, dynamics and high-level capabilities of this mic are superb and result in a very tight, natural, well-defined sound. Full of highs and lows plus all the mids as well.

Features

- Picks up the clear, true sound of the kick drum
- Flat frequency response so you can shape the sound your way
- Built tough to withstand rough use on the live stage
- Asymmetric design for easy placement inside or outside the kick drum

What's in the box

- 1 4055 Kick Drum Microphone
- 1 UA0961 Microphone Holder

Application Guide

Placement guide

The 4055 Kick Drum Microphone is easy to position both inside and outside the kick drum due to its asymmetrical design. This microphone is very flexible, allowing you to completely transform your sound design, just by moving the microphone or changing its angle.

>> Tips on how to mic a bass drum

Cleaning guide

Keep the microphone dry – away from water and cleaning fluids. Do not use sprays or fluids containing chemicals that could remove static electricity on or near the microphone. This could cause permanent damage.

Please note that the capsule is permanently fixed and can't be changed.

The microphone grid is the only part that may be cleaned. To clean the grid properly, without risk of causing damage to the capsule, you have to unscrew it from the microphone body. Be aware that the mic capsule itself should not be cleaned in any way, as it will influence the performance.

The grid consists of two parts: the outer black metal mesh and an inner foam windscreen. Both parts may be cleaned separately.

All the parts should be assembled again in the opposite order. Be careful to align the foam windscreen in the outer black metal mesh. When remounting, take care to tighten the grid firmly.

>> Proper mic hygiene

Specifications

Directional pattern	Open Cardioid
Principle of operation	Pressure gradient
Cartridge type	Pre-polarized condenser
Frequency response	20 Hz - 20 kHz

Effective frequency range ± 2 dB, at 20 cm (7.9 in) 40 Hz - 18 kHz with a 6 dB soft boost at 10 kHz

Sensitivity, nominal, ± 2 dB at 1 kHz 2 mV/Pa; -54 dB re. 1 V/Pa

Equivalent noise level, A-weighted Typ. 27 dB(A) re. 20 μ Pa (max. 29 dB(A))

Equivalent noise level, ITU-R BS.468-4 Typ. 39 dB (max. 41 dB)

Distortion, THD < 1% 156dB SPL RMS, 159 dB SPL peak

Dynamic range Typ. 132 dB

Max. SPL, THD 10% 164 dB SPL peak

Rated output impedance 380 Ω

Minimum load impedance 2 k Ω

Cable drive capability 100 m (328 ft)

Output balance principle Impedance balancing with Active Drive

Common mode rejection ratio (CMRR) > 55 dB

Power supply (for full performance) P48 (Phantom Power)

Current consumption 2.0 mA

Connector XLR-3M. Pin 1: shield, Pin 2: signal + phase, Pin 3: - phase

Color Matte black

Weight 241 g (8.5 oz)

Microphone diameter 57 mm (2.24 in)

Capsule diameter 17 mm (0.67 in)

Microphone length 132 mm (5.19 in)

Maximum output voltage, RMS 9.75 V

Polarity	+V at pin 2 for positive sound pressure
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Temperature range	-40°C to 45°C (-40°F to 113°F)
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Relative humidity (RH)	Up to 90%
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Typical on and off-axis response of a DPA 4055 Kick Drum Microphone measured at 20 cm (7.9 in)

Typical directional characteristics of a DPA 4055 Kick Drum Microphone

Replacement parts

- DUA0720B 4055 Microphone Grid, Black
- UA0961 Microphone Holder
- KE4055 Zip Case

Service & repair

Products from DPA Microphones are extremely durable and stable so there should not be any significant change in the specifications with time and use. If, however, you are not totally satisfied with the characteristics exhibited by these products, please contact your nearest DPA Microphones representative for further details of service and the repair facilities that are available.

Warranty

This product is covered by a five-year limited warranty on both mechanical functionality and documented specifications as long as the items are not mistreated, abused or modified in any way.

In case of a warranty claim, your invoice is your warranty registration.

>> Additional warranty information

CE marking

The CE mark guarantees that the product conforms to relevant directives set forth by the European Commission.

EMC directive: 2004/108/EEC

Low voltage directive: 2006/95/EC

Environmental Policy

DPA Microphones A/S complies fully with Directive 2012/19/EC on the Waste from Electrical and Electronic Equipment (WEEE). This product should not be thrown in the garbage bin when obsolete. Instead, return it to your local DPA representative (or DPA Microphones A/S directly) who will dispose of the product in accordance with the current environmental standards.

RoHS directive: 2002/95/EC

WEEE directive: 2002/96/EC

>> Our environmental policy

