



4099 CORE + Instrument Microphone

Next-generation, high-performance instrument microphone featuring CORE+ technology, delivering pristine, natural and undistorted sound with exceptional isolation and off-axis rejection for any live or studio setting. Fitted with MicroLock® and a series of upgraded instrument clips for even better stability and flexibility on any type of instrument.



PRODUCT SPECIFICATION

Key Selling Points

- **CORE+ captures an instrument's true voice** – picked up or amplified with DPA's renowned authenticity. With CORE+ technology inside, the 4099 captures every nuance with pristine clarity, ensuring that the character of the instrument remains untouched, both on-axis and in the surrounding soundscape
- **Well-balanced isolation** from surrounding instruments due to the supercardioid polar pattern and linear off-axis response
- **Lightweight, discreet design ensures** that the 4099 CORE+ blends seamlessly into performances
- **Superior microphone suspension** – from enhanced shock mount and microphone body design. Improves isolation from instrument vibrations and stage noise, ensuring a cleaner signal and a more homogenous sound
- **One microphone, ∞ possibilities** – the upgraded, flexible clip program ensures a secure, reliable fit while treating your instrument with the utmost care. Effortless to attach and adjust, yet firm and reliable in hold, this one microphone model can beautifully reinforce an entire orchestra
- **Reliable MicroLock® connector** allows for a detachable cable and connection with a wide range of wireless systems

VARIANTS

You can buy a single 4099, with or without a specific instrument clip, or you can choose a kit designed specifically for rock (Extreme SPL*) or classic (Loud SPL) applications.

Single 4099:

PART NUMBER	PRODUCT NAME	EAN
4099-DP-1	4099 CORE+ MIC, LOUD SPL	5713055031664
4099-DP-2	4099 CORE+ MIC, EXTREME SPL	5713055031817

What's in the box

1 x 4099 CORE+ microphone

1 x Gooseneck lock

1 x Zip pouch

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4099 paired with a specific instrument clip:

PART NUMBER	PRODUCT NAME	EAN
4099-DP-1-101-A	4099 CORE+ Mic, Loud SPL, Stereo System for Accordion, 2 mics	5713055031671
4099-DP-1-201-B	4099 CORE+ Mic, Loud SPL with Clip for Bass	5713055031763
4099-DP-1-201-C	4099 CORE+ Mic, Loud SPL with Clip for Cello	5713055031770
4099-DP-1-101-CM	4099 CORE+ Mic, Loud SPL with Clamp Mount	5713055031688
4099-DP-2-201-D	4099 CORE+ Mic, Extreme SPL with Clip for Drum*	5713055031831
4099-DP-1-199-G	4099 CORE+ Mic, Loud SPL with Clip for Guitar	5713055031732
4099-DP-1-101-MS	4099 CORE+ Mic, Loud SPL with Mic Stand Mount 3/8" and 5/8" thread	5713055031701
4099-DP-1-101-P	4099 CORE+ Mic, Loud SPL, Stereo System for Piano, 2 mics	5713055031718
4099-DP-1-199-S	4099 CORE+ Mic, Loud SPL with Clip for Saxophone	5713055031749
4099-DP-2-199-T	4099 CORE+ Mic, Extreme SPL with Clip for Brass*	5713055031824
4099-DP-1-101-U	4099 CORE+ Mic, Loud SPL with Universal Mount	5713055031725
4099-DP-1-199-V	4099 CORE+ Mic, Loud SPL with Clip for Violin	5713055031756

What's in the box:

1 x 4099 CORE+ Instrument Microphone

1 x Gooseneck Lock

1 x DAD9001 MicroLock to 3-pin XLR Adapter with Belt Clip (or 1 x DAD9099 MicroLock to XLR with Low Cut for -G, -S,-T and -V variants)

1 x Microphone Clip for the respective instrument

1 x CM1618B90 MicroLock Extension Cable, 1.6 mm, 1.8 m (5.9 ft), Black (or 1 x CM2218B90 MicroLock Extension Cable, 2.2 mm for -B, -C and -D variants)

1 x zip pouch

1 x zip case

For stereo (Accordion, Piano)

2 x 4099 CORE+ Instrument Microphone

2 x Gooseneck Lock

2 x DAD9001 MicroLock to 3-pin XLR Adapter with Belt Clip

2 x Microphone Clip for the respective instrument

2 x CM1618B90 MicroLock Extension Cable, 1.6 mm, 1.8 m (5.9 ft), Black

2 x G-EXTENSION (for Accordion variant only)

1 x zip pouch

1 x zip case

Overview of the cables and XLR adapters in the kits:

Part number	Product name	Cable	XLR adapter
4099-DP-1-101-A	4099 CORE+ Mic, Loud SPL, Stereo System for Accordion, 2 mics	1.6 mm / 0.06 in	DAD9001
4099-DP-1-201-B	4099 CORE+ Mic, Loud SPL with Clip for Bass	2.2 mm / 0.09 in	DAD9001

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4099-DP-1-201-C	4099 CORE+ Mic, Loud SPL with Clip for Cello	2.2 mm / 0.09 in	DAD9001
4099-DP-1-101-CM	4099 CORE+ Mic, Loud SPL with Clamp Mount	1.6 mm / 0.06 in	DAD9001
4099-DP-2-201-D	4099 CORE+ Mic, Extreme SPL with Clip for Drum	2.2 mm / 0.09 in	DAD9001
4099-DP-1-199-G	4099 CORE+ Mic, Loud SPL with Clip for Guitar	1.6 mm / 0.06 in	DAD9099
4099-DP-1-101-MS	4099 CORE+ Mic, Loud SPL with Mic Stand Mount 3/8" and 5/8" thread	1.6 mm / 0.06 in	DAD9001
4099-DP-1-101-P	4099 CORE+ Mic, Loud SPL, Stereo System for Piano, 2 mics	1.6 mm / 0.06 in	DAD9001
4099-DP-1-199-S	4099 CORE+ Mic, Loud SPL with Clip for Saxophone	1.6 mm / 0.06 in	DAD9099
4099-DP-2-199-T	4099 CORE+ Mic, Extreme SPL with Clip for Brass	1.6 mm / 0.06 in	DAD9099
4099-DP-1-101-U	4099 CORE+ Mic, Loud SPL with Universal Mount	1.6 mm / 0.06 in	DAD9001
4099-DP-1-199-V	4099 CORE+ Mic, Loud SPL with Clip for Violin	1.6 mm / 0.06 in	DAD9099

Kits designed specifically for rock or classical applications:

PART NUMBER	PRODUCT NAME	EAN
KIT-4099-DP-4R	4099 CORE+ Rock Touring Kit, 4 Mics and accessories, Extreme SPL	5713055031909
KIT-4099-DP-4C	4099 CORE+ Classic Touring Kit, 4 Mics and accessories, Loud SPL	5713055031886
KIT-4099-DP-10R	4099 CORE+ Rock Touring Kit, 10 Mics and accessories, Extreme SPL	5713055031862
KIT-4099-DP-10C	4099 CORE+ Classic Touring Kit, 10 Mics and accessories, Loud SPL	5713055031848
KIT-4099-DP-4R-C	4099 CORE+ Rock Touring Kit, 4 Mics and accessories, Extreme SPL, Cardboard box	5713055031916
KIT-4099-DP-4C-C	4099 CORE+ Classic Touring Kit, 4 Mics and accessories, Loud SPL, Cardboard box	5713055031893
KIT-4099-DP-10R-C	4099 CORE+ Rock Touring Kit, 10 Mics and accessories, Extreme SPL, Cardboard Box	5713055031879
KIT-4099-DP-10C-C	4099 CORE+ Classic Touring Kit, 10 Mics and accessories, Loud SPL, Cardboard Box	5713055031855

What's in the box:

KIT-4099-DP-4R Rock Touring Kit*

*Available later in 2025

4 x 4099-DP-2 Instrument Microphone, Extreme SPL

4 x MicroLock Extension Cable, 2.2 mm / 0.09 in

4 x DAD9001 MicroLock to 3-pin XLR with Belt Clip

3 x Microphone Clip for Drum

2 x Microphone Clip for Sax

2 x Universal Microphone Clip

3 x Clamp Mount Microphone Clip



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KIT-4099-DP-4C Classic Touring Kit

- 4 x 4099-DP-1 Instrument Microphone, Loud SPL
- 4 x MicroLock Extension Cable, 1.6 mm / 0.06 in
- 4 x DAD9001 MicroLock to 3-pin XLR with Belt Clip
- 1 x Microphone Clip for Bass
- 2 x Microphone Clip for Cello
- 1 x Microphone Clip for Guitar
- 2 x Microphone Clip for Piano
- 4 x Microphone Clip for Violin



KIT-4099-DP-10R Rock Touring Kit*

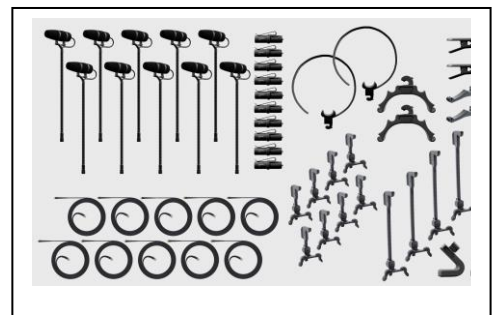
*Available later in 2025

- 10 x 4099-DP-2 Instrument Microphone, Extreme SPL
- 10 x MicroLock Extension Cable, 2.2 mm / 0.09 in
- 10 x DAD9001 MicroLock to 3-pin XLR with Belt Clip
- 10 x Zip Pouch
- 1 x Zip Case
- 6 x Microphone Clip for Drum
- 2 x Microphone Clip for Guitar
- 3 x Microphone Clip for Violin
- 2 x Universal Microphone Clip
- 1 x Microphone Clip for Bass
- 4 x Microphone Clip for Sax
- 2 x Microphone Clip for Piano
- 3 x Clamp Mount Microphone Clip
- 2 x Microphone Stand Clip 3/8" and 5/8" thread



KIT-4099-DP-10C Classic Touring Kit

- 10 x 4099-DP-1 Instrument Microphone, Loud SPL
- 10 x MicroLock Extension Cable, 1.6 mm / 0.06 in
- 10 x DAD9001 MicroLock to 3-pin XLR with Belt Clip
- 2 x Microphone Clip for Bass
- 2 x Microphone Clip for Cello
- 4 x Microphone Clip for Guitar
- 2 x Microphone Clip for Piano
- 8 x Microphone Clip for Violin
- 2 x Clamp Mount Microphone Clip

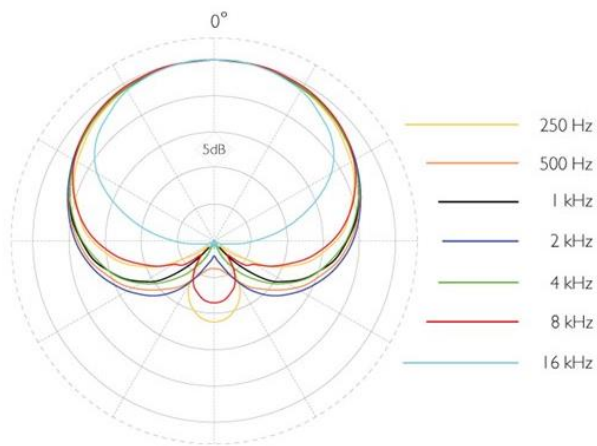


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2 x Universal Microphone Clip

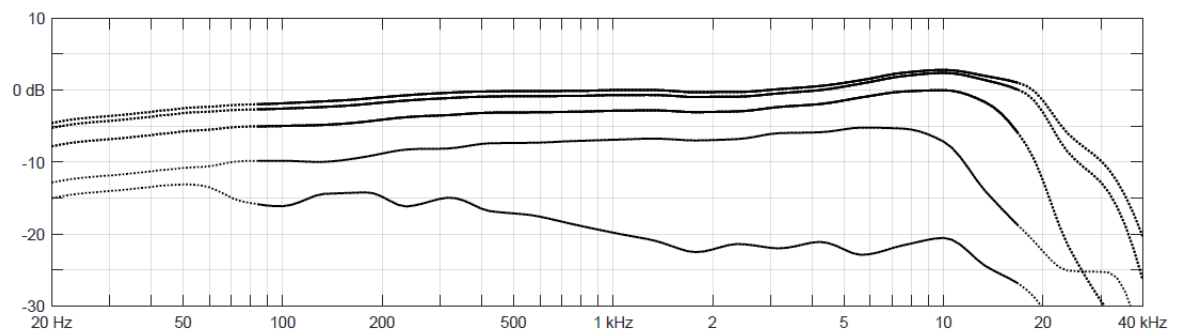
1 x Microphone Stand Clip 3/8" and 5/8" thread

Polar pattern



Typical directional characteristics of a 4099


Frequency response



DPA 4099 frequency curve measured at 20 cm (7.87 in)

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Specification

	4099-DP-1 	4099-DP-2 
Directional pattern	Supercardioid	Supercardioid
Cartridge type	Pre-polarized condenser	Pre-polarized condenser
Frequency response	20 Hz – 20 kHz	20 Hz – 20 kHz
Effective frequency range, ± 2 dB, at 20 cm (7.9 in)	80 Hz - 17 kHz with 2 dB soft boost at 10-12 kHz	TBC
Sensitivity, nominal, ± 3 dB at 1 kHz	6.0 mV/Pa; -44 dB re. 1V/Pa	2.0 mV/Pa; -54 dB re. 1V/Pa
Equivalent noise level, A-weighted	Typ. 23 dB(A) re. 20 μ Pa (max.20 dB(A))	Typ. 28 dB(A) re. 20 μ Pa (max.31 dB(A))
Distortion, THD < 0.5%	135 dB SPL RMS, 138 dB SPL peak	TBC
Distortion, THD < 1%	138 dB SPL RMS, 141 dB SPL peak	TBC
Dynamic range	Typ. 118 dB	TBC
Max. SPL, THD 10%	145 dB SPL peak	TBC
Rated output impedance	From MicroLock 30 - 40 Ω ; From DAD9001 or DAD9099 100 Ω	From MicroLock 30 - 40 Ω ; From DAD9001 or DAD9099 100 Ω
Power supply for full performance	For wireless systems: Min. 5 V - max. 10 V through DPA adapter With DAD9001: P48 (Phantom Power). Will work from 12 V	For wireless systems: Min. 5 V - max. 10 V through DPA adapter With DAD9001: P48 (Phantom Power). Will work from 12 V
Current consumption	Typ. 1.5 mA (microphone). 3.5 mA with DAD9001	Typ. 1.5 mA (microphone). 3.5 mA with DAD9001
Connector	MicroLock	MicroLock

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Weight	Microphone: 18 g (0.63 oz) Clamp Mount Microphone clip CM-CLIP: 16 g (0.56 oz) Microphone Clip for Accordion A-CLIP: 5 g (0.18 oz) Instrument Microphone Clip for Bass (BC4099): 20 g (0.71 oz) Microphone Clip for Cello C-CLIP: 18 g (0.63 oz) Microphone Clip for Drum D-CLIP: 13 g (0.46 oz) Instrument Microphone Clip for Guitar (GC4099): 12 g (0.42 oz) Microphone Clip for Piano P-CLIP: 23 g (0.81 oz) Instrument Microphone Clip for Sax and Trumpet (STC4099): 7 g (0.25 oz) Instrument Microphone Clip for Violin and Mandolin (VC4099): 10 g (0.35 oz) Universal Microphone Clip U-CLIP: 15 g (0.53 oz) Mic Stand Clip MS-CLIP: 24 g (0.85 oz) Cold Shoe Microphone Clip with standard 1/4" in thread CS-CLIP: 5 g (0.18 oz)	Microphone: 18 g (0.63 oz) Clamp Mount Microphone clip CM-CLIP: 16 g (0.56 oz) Microphone Clip for Accordion A-CLIP: 5 g (0.18 oz) Instrument Microphone Clip for Bass (BC4099): 20 g (0.71 oz) Microphone Clip for Cello C-CLIP: 18 g (0.63 oz) Microphone Clip for Drum D-CLIP: 13 g (0.46 oz) Instrument Microphone Clip for Guitar (GC4099): 12 g (0.42 oz) Microphone Clip for Piano P-CLIP: 23 g (0.81 oz) Instrument Microphone Clip for Sax and Trumpet (STC4099): 7 g (0.25 oz) Instrument Microphone Clip for Violin and Mandolin (VC4099): 10 g (0.35 oz) Universal Microphone Clip U-CLIP: 15 g (0.53 oz) Mic Stand Clip MS-CLIP: 24 g (0.85 oz) Cold Shoe Microphone Clip with standard 1/4" in thread CS-CLIP: 5 g (0.18 oz)
Microphone diameter	5.7 mm (0.22 in)	5.7 mm (0.22 in)
Microphone length	50 mm (1.97 in)	50 mm (1.97 in)
Gooseneck length	140 mm (5.5 in)	140 mm (5.5 in)

ACCESSORIES AND SERVICE PARTS

Cables, extensions and active adapters

CM1618B90	MicroLock Extension Cable, 1.6 mm, 1.8 m (5.9 ft), Black
CM1610B90	MicroLock Extension Cable, 1.6 mm, 1.0 m (3.3 ft), Black
CM2218B90	MicroLock Extension Cable, 2.2 mm, 1.8 m (5.9 ft), Black
G-EXTENSION	Gooseneck Extension with MicroLock 80 mm (3.15 in)
DAD9099	Adapter: MicroLock to XLR with Belt Clip & Low Cut
DAD9001	Adapter: MicroLock to 3-pin XLR with Belt Clip

Instrument clips

DPA has a wide selection of ingenious mounting clips. Guitar, brass, flute, piano; it is no problem to easily and gently mount our mic on any instrument. The clips allow the mic to be quickly unclipped and repositioned or moved to another instrument. They are designed to never blemish or scratch the finish of an instrument, and they support a wide variety of mounting and positioning possibilities.

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	Product ID	Product name
	A-CLIP	Microphone Clip for Accordion
	C-CLIP	Microphone Clip for Cello
	CM-CLIP	Clamp Mount Microphone Clip
	CS-CLIP	Cold Shoe Microphone Clip
	MS-CLIP	Microphone Stand Clip
	D-CLIP	Microphone Clip for Drum
	P-CLIP	Microphone Clip for Piano
	U-CLIP	Universal Microphone Clip
	BC4099	Clip for Bass
	GC4099	Clip for Guitar
	STC4099	Clip for Sax, Trumpet
	VC4099	Clip for Violin, Mandolin
	XLR-MOUNT	XLR Mount for Microphone Clips

Replacement parts

DUA0589	Gooseneck Lock, 5 pcs
DUA0588	Windscreen for 4099 CORE+
KE4099-6	Zip Case for 4099 CORE+ single
KE4099-7	Zip Case for 4099 CORE+ stereo
S-DDP0182	Rubber Mount for Instrument Clips
DUZ0008	Shock Mount Kit for 4099 CORE+

Adapters & connectors

DPA's adapters for wireless systems give you flexible, simple and affordable possibilities. You are no longer bound to only one wireless system.

See our range of adapters here: <https://www.dpamicrophones.com/accessories/adapters/>

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. Ensure the windscreen and interference tube are thoroughly dry before using the microphone, as moisture can negatively impact its acoustic performance.
5. 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.
6. Operate the product only under the usage conditions listed in the specifications.
7. Allow the product to reach ambient temperature before use.
8. Do not use the product if it is damaged during transportation.
9. Keep the product and its connections away from liquids and electrically conductive objects that are not necessary for operating the product.
10. Route all cables securely to prevent tripping hazards.

11. Warning: Exposure to high audio levels may cause hearing damage. To avoid this—and reduce the risk of acoustic feedback—lower the volume on connected audio equipment before powering the microphone.
12. 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

Gooseneck

The gooseneck can be cleaned with a cloth moistened with demineralized water. If required to clean it with alcohol, only use a cloth with 70% Isopropyl. However, do not allow alcohol to penetrate the lacquer. Other alcohol-based cleaning agents can destroy the paint. Do not soak the cloth in cleaner or disinfectant.

Cables

To clean cables, rub them gently with olive or coconut oil. This will remove residue like paint or sweat and will leave the cable hygienic and fit for use. Alternatively, wipe them with lukewarm water and soap. Do not splash soapy water into connectors or microphones. Afterwards, leave them to dry on their own for at least 72 hours.

Unfortunately, cables cannot be disinfected with isopropyl alcohol or other harsh chemicals, as this will make the cable jacket brittle over time. We recommend being very thorough when cleaning cables to remove as many germs as possible.

Foam windscreens

To clean foam windscreens, remove them from the mics and wash them gently with warm water and soap. Leave them to dry on their own for at least 72 hours.

Unfortunately, foam windscreens cannot be disinfected with isopropyl alcohol or other harsh chemicals.

Warranty

4099 CORE+ Instrument Microphones from DPA Microphones are covered by a two-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.

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

Disposal

Do not throw this product or its packaging into household waste. Look for the crossed-out bin symbol, which means separate disposal is required.

Electrical and electronic devices, as well as packaging, may contain substances harmful to the environment. Proper recycling helps prevent pollution and allows valuable materials to be reused.

Follow local waste separation rules for packaging.

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 by 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 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 it out 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

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the directive applies, it will be up to the national distributors to accept waste equipment from end users and dispose of 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.