

# D4 DYNAMIC INSTRUMENT MICROPHONE

## OVERVIEW:

Designed, machined, assembled and tested by Audix in the USA, the D4 is a dynamic instrument microphone used for stage, studio and broadcast applications. The D4, which is characterized with a hypercardioid pickup pattern for isolation and feedback control, is equipped with a VLM™ (Very Low Mass) diaphragm for natural, accurate sound reproduction.

The D4 is lightweight, compact and easy to position. With a wide frequency response of 40 Hz - 18 kHz and the ability to handle sound pressure levels in excess of 144 dB, the D4 is an excellent choice for miking instruments requiring precise low frequency reproduction such as large rack toms, floor toms, cajon, djembe, tympani, leslie bottom, bass flute, sax and baritone sax, trombone, clarinet, acoustic bass, bass cabs and small kick drums.

The D4 includes a precision machined aluminum body, black anodized finish, laser etched model and serial number, steel mesh grill, Switchcraft® or Audix XLR connector and is supplied with a tension-fit heavy duty nylon mic clip.

Transformerless design, low impedance, and balanced output allow for interference-free performance even with long cable runs.

## SUPPLIED ACCESSORIES:

Tension-fit heavy duty nylon mic clip (DCLIP)  
Carrying pouch (P1)

## OPTIONAL ACCESSORIES:

TRIPOD - Tripod mic stand  
DFLEX - All purpose percussion clamp  
DVICE - Spring loaded rim mount clamp  
DCLAMP - Tension rod mic clamp  
CBL 20 - 20' XLR-XLR Low noise microphone cable  
CBL DR25 - 25' right angle XLR-XLR low noise microphone cable  
STAND KD - Adjustable kick drum mic stand  
CAB GRABBER - Tension held mic holder, clamps to guitar cabinets



## FEATURES:

- Compact, lightweight
- Machined aluminum body
- VLM (Very Low Mass) diaphragm
- Studio quality sound
- Excellent mid-bass transient response
- Handles extremely high SPL without distortion
- Road worthy construction
- 5 year warranty

## APPLICATIONS:

- Floor toms
- Kick Drum
- Bass Cabinets, Leslie Bottom
- Djembe, Cajon, Digeridoo
- Piano
- Sax, Trombone, Clarinet
- Studio - *Any instrument requiring precise low frequency reproduction*



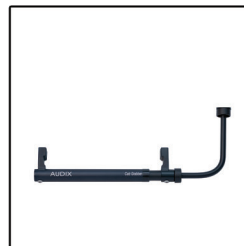
DCLAMP



DFLEX



DCLIP



CAB GRABBER

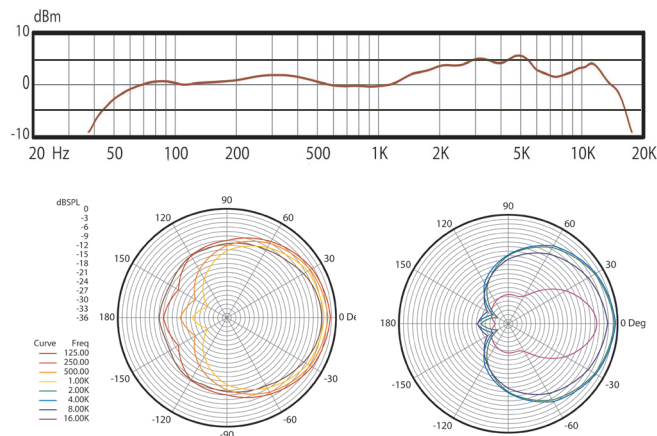


STAND KD

**SPECIFICATIONS:**

|                    |                                                                     |
|--------------------|---------------------------------------------------------------------|
| Transducer Type    | Dynamic                                                             |
| Frequency Response | 40 Hz - 18 kHz                                                      |
| Polar Pattern      | Hypercardioid                                                       |
| Output Impedance   | 200 ohms                                                            |
| Sensitivity        | 1.4 mV / Pa @ 1k                                                    |
| Capsule Technology | VLM Type D                                                          |
| Off Axis Rejection | >20 dB                                                              |
| Maximum SPL        | ≥144 dB                                                             |
| Power Requirements | None                                                                |
| Connector          | Switchcraft® or Audix male XLR connector                            |
| Polarity           | Positive voltage on pin 2 relative to pin 3 of output XLR connector |
| Housing / Finish   | Machined Aluminum / Black Hard Coat                                 |
| Weight             | 128 g / 4.5 ounces                                                  |
| Length             | 100 mm / 3.9 inches                                                 |

**FREQUENCY / POLARS:**



**ARCHITECTS AND ENGINEERS SPECIFICATIONS:**

The microphone shall be of the dynamic type operating on the moving coil principle and the capsule shall be VLM Type D. The polar pattern of the microphone shall be hypercardioid. The nominal output impedance shall be 200 ohms at 1 kHz. The microphone shall have a sensitivity of 1.4 mV / Pa at 1 kHz and will handle a sound pressure level of ≥144 dB. The microphone body shall be machined of aluminum and the grill cap shall be steel wire mesh. The overall dimensions shall be 21.5 mm in diameter at the base, 39 mm in diameter at the widest point on the grill and 100 mm in length. The microphone shall be the Audix D4.

**OPERATION:**

The D4 is a low impedance microphone and should be plugged into a "mic level" input of your console, mixer or recording device. Please note that your microphone does not require phantom power and will not be effected in any way by phantom power should it be running simultaneously while the microphone is in operation. Avoid plugging or unplugging the microphone from the PA system unless the channel is muted or the volume of the system turned down. Failure to do so may result in a loud "popping" noise which could seriously damage the speakers in the PA system.

**USER TIPS:**

The D4 has an extremely tight (hypercardioid) pick-up pattern in order to help eliminate sound from other instruments on stage from "bleeding" into the microphone. For this reason, the D4 is exceptionally effective for drums and percussion in it's ability to capture the sound of each component of the kit.

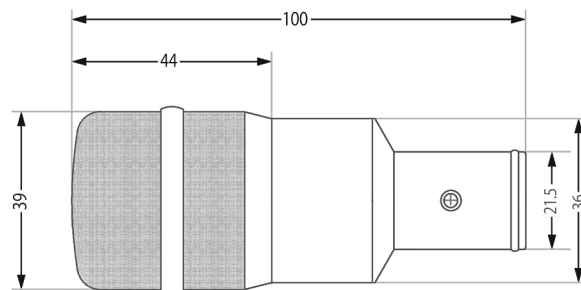
**Drums, hand percussion:** As a general rule, the bottom of the D4 grill should be 1-2 inches above the head of the drum and pointed towards the center. For more "ring" pull the mic back towards the rim; for less ring and more overtones, position the mic 1-2 inches inside the rim; for more attack, place the mic very close to the head; for more overtones and decay move the mic further away from the head.

**Guitar cabinets:** The D4 can be placed within 1-2 inches off the grill cover at a 90 degree angle pointing directly into the speaker. If the mic is placed closer to the edge of the speaker, you will minimize the higher frequencies and get a warmer, fatter tone. To capture more highs, move the mic closer towards the center of the speaker, but avoid the middle of the speaker.

**Horns:** Place the mic within 1-2 inches of the bell, especially when on a stage with drums, bass, guitar, etc. For jazz, classical, and music where the stage volume is lower, the mic can be placed further away for a richer, fuller sound.

\*Further miking techniques may be found on our website at [www.audixusa.com](http://www.audixusa.com)

**DIMENSIONS (mm):**



\*\*\*All specifications subject to change without notice.

**SERVICE AND WARRANTY:**

This microphone is under warranty for a period of 5 years from any and all manufacturing defects. Should your microphone fail in any way, please contact the Audix Service department at 503-682-6933. A Return Authorization number is required before returning any products.

**CARE AND MAINTENANCE:**

The D4 is manufactured to exacting specs with roadworthy construction. However, the capsule is highly sensitive and should be handled with care. Avoid extreme temperatures and be sure to store your microphone in the pouch provided when not in use. Moisture of any kind can adversely affect the sound and performance of your microphone.



[www.audixusa.com](http://www.audixusa.com)  
503-682-6933 Fax: 503-682-7114  
Audix Corporation 9400 SW Barber St. Wilsonville, OR 97070



**AUDIX WARRANTY REGISTRATION FORM**

Name: \_\_\_\_\_ Model: \_\_\_\_\_  
 Company: \_\_\_\_\_ Serial Number: \_\_\_\_\_  
 Address: \_\_\_\_\_ Store: \_\_\_\_\_  
 City: \_\_\_\_\_ Store Location: \_\_\_\_\_  
 Prov./State: \_\_\_\_\_ Zip: \_\_\_\_\_ Purchase Date: \_\_\_\_\_  
 Phone: ( ) \_\_\_\_\_ Signature: \_\_\_\_\_  
 Email: \_\_\_\_\_ Date: \_\_\_\_\_

Please Check all that apply:

Male  Female

Age:  18 or Under  19-25  26-35  36-45  46-55  55 +

Occupation:  Musician  Producer  Sound Eng.  Radio/TV  Production  Other \_\_\_\_\_

Primary Instruments:  Vocal  Guitar / Bass  Drums  Keyboard  Brass  Woodwinds  Strings  Other \_\_\_\_\_

Product to be used for:  Pro live sound  Pro recording  Home recording  Rehearsal  Installation  School  House of Worship  Other \_\_\_\_\_

How did you hear about Audix?  Magazine Ad  On-line Store  Salesman  Online Ad  Friend  Other \_\_\_\_\_

Do you own other Audix Products?  Yes  No  
 Model(s) \_\_\_\_\_  
 Have you visited the Audix website?  Yes  No

Please register your product online at [www.audixusa.com](http://www.audixusa.com) or mail this form to:  
Audix Microphones P.O. Box 4010 Wilsonville, OR 97070