

# f50 DYNAMIC VOCAL MICROPHONE

## OVERVIEW:

The f50 is a dynamic vocal microphone designed for a wide variety of live and studio applications. The f50 is known for its warm, natural sound reproduction, resistance to feedback and ability to handle high sound pressure levels without distortion.

The f50 is characterized with a tight and uniformly controlled cardioid polar pattern which helps to isolate the vocals from the rest of the instruments on stage. With a wide frequency range of 50 Hz – 16 kHz, the f50 is also available with a noiseless, magnetic on-off switch (f50S).

The f50 is designed to sound clear and full bodied on small to mid-size PA systems. The f50 is well balanced, comfortable to hold, durable and manufactured with very high standards and tight tolerances. Roadworthy construction includes a precision cast zinc alloy, black e-coat finish, steel mesh grill, gold plated XLR connector and heavy duty ABS clip.

## SUPPLIED ACCESSORIES:

Mic Clip  
Carrying pouch

## OPTIONAL ACCESSORIES:

WS357 - External foam windscreen  
CBL20 - 20' XLR-XLR Low noise microphone cable  
T50K - Low to high impedance matching transformer

## MODEL VARIATIONS:

F50S - Same as above with On-Off switch  
F50CBL - Same as above with high performance XLR-XLR low impedance microphone cable.  
F50SCBL - Same as above with On-Off switch and high performance XLR-XLR low impedance microphone cable.

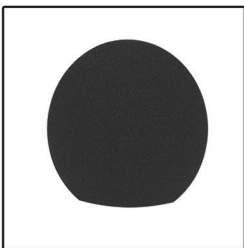


## FEATURES:

Warm, natural, vocal reproduction  
Handles high SPL without distortion  
Low handling noise  
Cardioid pattern helps resist feedback  
Provides excellent vocal isolation on stage  
Durable steel grill  
5 year warranty

## APPLICATIONS:

Multi-purpose vocal  
*stage, karaoke, Corporate, AV, rehearsal studio, education, house of worship*  
Home studio recording  
Acoustic instruments  
Drums, Guitar Cabs



WS357



CBL20



T50K



TRIPOD

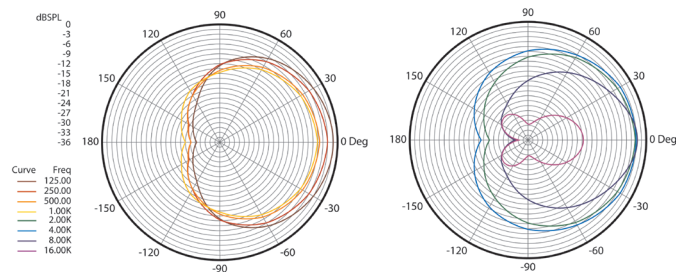
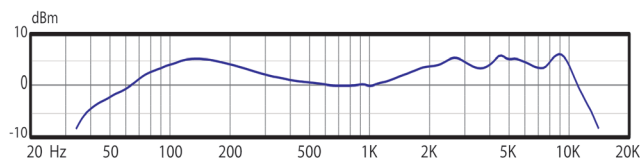


CABGRABBER

**SPECIFICATIONS:**

Transducer Type	Dynamic
Frequency Response	50 Hz - 16 kHz
Polar Pattern	Cardioid
Output Impedance	250 ohms
Sensitivity	1.8 mV/ Pa @ 1k
Off Axis Rejection	> 20 dB @ 180°
Maximum SPL	≥ 138 dB
Power Requirements	None
Connector	3 pin gold plated male XLR connector
Polarity	Positive pressure on diaphragm produces positive voltage on pin 2 relative to pin 3 of output XLR connector
Housing / Finish	Zinc Alloy / Black E-coat
Weight	312 g / 11 ounces
Length	169 mm / 6.7 inches

**FREQUENCY / POLARS:**



**ARCHITECTS AND ENGINEERS SPECIFICATIONS:**

The microphone shall be of the dynamic type operating on the moving coil principle and the polar pattern of the microphone shall be cardioid. The nominal output impedance shall be equal to 250 ohms at 1 kHz. The microphone shall have a sensitivity of 2.5 mV / Pa at 1 kHz and a sound pressure level ≥138 dB. The microphone body shall be of die cast zinc alloy and the grill of steel mesh. The overall dimensions shall be 23 mm in diameter at the base, 52.5 mm at the widest point on the grill, and 169 mm in length. The microphone shall be the Audix f50.

**OPERATION:**

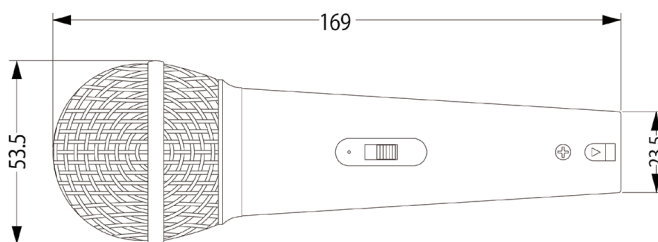
The f50 is a low impedance microphone and should be plugged into a "mic level" input on your console, mixer or recording device. Please note that your microphone does not require phantom power, however, the microphone will not be effected in any way by phantom power should it be running simultaneously when the microphone is in operation. Avoid plugging or unplugging the microphone from a PA system unless the channel is muted or the volume of the system is 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 f50 has a tight (cardioid) pick-up pattern in order to help eliminate sound from other instruments on stage from "bleeding" into the microphone. Operating distance for vocal application can vary between 2-6 inches depending on how many other instruments are on stage, the volume of the music and the type of monitors being used. When using floor monitors, position the microphone so that it is parallel to the floor. When using multiple microphones on a live performance stage, allow a distance of 2-3 feet between mics to avoid phase issues.

\*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 F50 is manufactured to exacting specs with road worthy 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



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**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  Online Ad  Online Store  Friend  Salesman  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