

VX10 Condenser Vocal Microphone

OVERVIEW

The VX10 is a professional vocal condenser microphone designed to set new performance standards in the areas of live sound and broadcast applications. With a uniformly controlled frequency response from 40 Hz - 20 kHz, the VX10 is highly sensitive to transient response and will reproduce vocals and speech with exceptional detail and realism.

The VX10 is characterized with a uniform controlled cardioid polar pattern which helps to isolate the vocals from the rest of the instruments on stage.

Other features include a 21 mm gold vapor capsule and a multi-stage internal pop filter. The VX10 will handle sound pressure levels of ≥ 138 dB and will provide over 20 dB of ambient noise rejection on live stages. The VX10 is also available in a low output model (VX10 Lo) for greater control with loud stage volumes or extremely powerful vocalists.

In addition to vocal applications, the VX10 is ideally suited to capture acoustic instruments such as guitar, woodwinds, brass, percussion toys, drum overheads, hi-hat and piano. It is an excellent choice for professional studio recording. The VX10 is well balanced, comfortable to hold, durable, and designed with high standards and tight tolerances.

The VX10 is manufactured with a precision die cast zinc alloy body, durable black E-coat finish and gold plated XLR connector.

MODEL VARIATIONS

VX10LO - For high SPL applications and close proximity vocals

SUPPLIED ACCESSORIES

CASEWOOD - Foam lined wooden carrying case

MC1 - Heavy-duty nylon molded clip with brass insert

P1 - Carrying pouch

OPTIONAL ACCESSORIES

WS10 - External acoustic foam windscreen for reducing wind, sibilance, and pop noise.

GR10 - Replacement grill ball with dual stage pop filter.

APS2 - Two-channel 48 V phantom power supply for condenser microphones. 110 V switchable to 240 V. Detachable power cord.

CBL20 - 20' premium XLR-XLR balanced mic cable. Quad conductor, twisted pair with braided shield for maximum conductivity. 6mm PVC jacketed.

CBLDR25 - 25' premium right angle XLR-XLR balanced mic cable. Quad conductor, twisted pair with braided shield for maximum conductivity. 6mm PVC jacketed.



FEATURES

- Elite condenser vocal mic with studio quality sound
- Reproduces vocals and speech with exceptional detail
- 21 mm gold sputtered diaphragm
- Ideal for broadcast and live recording
- Designed, assembled & tested in the USA
- 3 year warranty

APPLICATIONS

- Lead or backing vocals
- Studio vocals
- Speech
- On air announce microphone
- Live performance and broadcasts
- Excellent for use with in-ear monitors
- Acoustic instruments



MC1



P1



WS10



GR10



APS2



CBL20



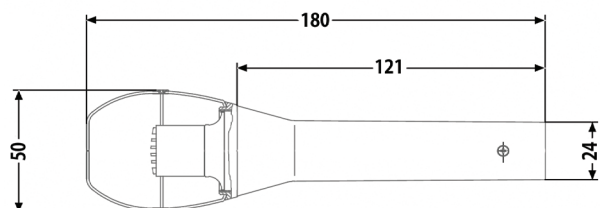
CBLDR25

VX10

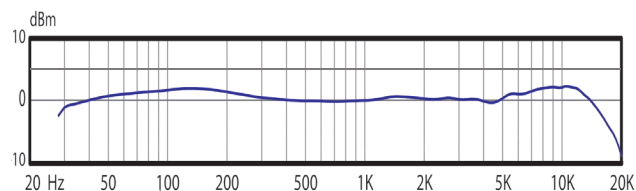
SPECIFICATIONS

Transducer Type	Condenser
Frequency Response	40 Hz - 20 kHz
Polar Pattern	Cardioid
Output Impedance	250 ohms
Sensitivity	VX10 - 24 mV / Pa @ 1k VX10LO - 4 mV / Pa @ 1k
Equivalent Noise Level	19 dB (A-weighted)
Signal to Noise Ratio	75 dB
Off Axis Rejection	>20 dB
Maximum SPL	≥138 dB (w/ -10 pad)
Power Requirements	48-52 V
Connector	3-pin XLRm
Polarity	Positive pressure on diaphragm produces positive voltage on pin 2 relative to pin 3 of output XLR connector
Materials / Finish	Zinc Alloy & Machined Brass / Black Finish
Weight	310 g / 10.9 oz
Length	180 mm / 7.1 in

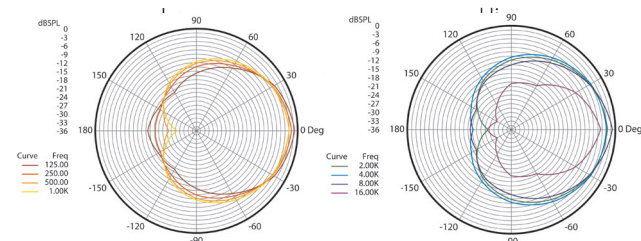
DIMENSIONS (mm)



FREQUENCY RESPONSE



POLAR PATTERNS



PRODUCT REGISTRATION: Please register your product online at www.audixusa.com/docs_12/about/product_registration.shtml.

SERVICE AND WARRANTY: This microphone is under warranty for a period of 3 years to be free of defects in material and workmanship. In the event of a product failure due to materials or workmanship, Audix will repair or replace said product at no charge with proof of purchase. Audix does not pay or reimburse shipping costs for warranty repairs or returns. The warranty excludes any causes other than manufacturing defects, such as normal wear, abuse, environmental damage, shipping damage or failure to use or maintain the product per the supplied instructions. No Implied Warranties: All implied warranties, including but not limited to implied warranties of merchantability and fitness for a particular purpose are hereby excluded. The liability of Audix, if any, for damages relating to allegedly defective products shall be limited to the actual price paid by Dealer for such products and shall in no event include incidental or consequential damages of any kind. Should your microphone fail in any way, please contact the Audix Service department at 503.682.6933. A Return Authorization is required before returning any product. OTHER THAN THIS WARRANTY, AUDIX MAKES NO WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THE PRODUCTS, THE USE OF THE PRODUCTS, THE PERFORMANCE OF THE PRODUCTS. AUDIX SHALL NOT BE LIABLE FOR SPECIAL INCIDENTAL, CONSEQUENTIAL, INDIRECT OR SIMILAR DAMAGES ARISING FROM OR BASED ON THE SALE, USE, STORAGE OR DISPOSAL OF THE PRODUCTS, AUDIX'S SERVICE WORK, BREACH OF WARRANTY, BREACH OF CONTRACT. NEGLIGENCE, OR ANY OTHER THEORY OF LIABILITY, EVEN IF AUDIX HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

ARCHITECT AND ENGINEER SPECIFICATIONS

The microphone shall be of the condenser type with a cardioid polar pattern. The microphone shall operate on 48-52 Volts phantom power and the nominal output impedance shall be equal to 250 ohms at 1 kHz. The microphone shall have a sensitivity of 24 mV / Pa at 1 kHz. The microphone shall have a maximum SPL level of ≥138 dB with a THD of 0.5%. The microphone shall have a steel mesh grill and a body of die cast zinc alloy with dimensions of 24 mm diameter at the base, 50 mm in diameter at the and 180 mm in length.

OPERATION AND MAINTENANCE

The VX10 is a low impedance microphone and should be plugged into a "mic level" input on your console, mixer, or recording device. The VX10 requires phantom power and will NOT operate without phantom power voltage (48 Volts recommended) which is available on most professional mic preamps and mixing devices. Phantom power will be needed for your equipment (such as the Audix APS2).

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.

The VX10 & VX10LO are 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 effect the sound and performance of your microphone.

USER TIPS

The VX10, an excellent choice for lead and background vocals, has a cardioid pick-up pattern which helps to minimize sound from other instruments on stage from "bleeding" into the microphone. The VX10 is highly sensitive and will accommodate working distances of 1-12 inches from the performers mouth. Depending on the instrumentation and volume on stage, the vocalist may have to experiment to find the optimum working range.

When using stage monitors, avoid pointing the back of the microphone directly into the stage monitor. Instead, set the microphone at an angle parallel to the floor, putting the angle of the mic on a different plane with the angle of the monitor. Allow a distance of 2-3 feet between microphones to avoid phase cancellation issues.

Further miking techniques may be found at www.audixusa.com.