

# ADX10 LAVALIER CONDENSER MICROPHONE

## OVERVIEW:

The ADX10 is a miniaturized condenser microphone designed for lavalier applications such as speech, presentation and theatrical production. Known for its clarity, resistance to feedback and ease of operation, the ADX10 has the ability to accurately capture and reproduce vocals from a comfortable distance of 4-8 inches.

The ADX10 is characterized with a uniformly controlled cardioid polar pattern, helping to isolate the area or section being miked from other vocals or instruments on stage. With a smooth and accurate frequency range of 50 Hz - 18 kHz, the ADX10 is lightweight, low profile and will provide natural sound with exceptional transient response.

The ADX10, primarily for use with the Audix RAD360 wireless system, includes a tie-clip, 3' attached cable terminating to a mini-XLRf connector. The wired version (ADX10-P) includes an 8' cable terminating to a mini-XLRf connector, tie clip, external windscreen and a phantom power adapter module (APS-910). The ADX10-FLP, specifically for use with a flute, includes a clip that attaches to the headstock of a flute, an 8' cable terminating to a mini XLR-f connector and a phantom power adapter (APS-910).

Manufactured to high standards and tight tolerances, the ADX10 features a modular threaded capsule, a machined brass body with matte black finish, high quality shielded microphone cable and a variety of optional accessories.

## SUPPLIED ACCESSORIES:

Tie clip (MC-ADX)  
External foam windscreen (WS10)  
Carrying pouch (P1)

## OPTIONAL ACCESSORIES:

WS10S - Snap to fit external windscreen  
MC10L - Metal clip with tension fit wire loop  
APS-911 - Battery / Phantom power adapter with on off switch and bass roll-off

## MODEL VARIATIONS:

ADX10-P - Same as above with phantom power adapter for hard wired use  
ADX10-FLP - Same as above with flute clip (MC-FLUTE) to replace tie clip



## FEATURES:

- Small, lightweight, low profile
- Natural, accurate sound reproduction
- Easy to use and set up
- Field replaceable capsule
- Available for wireless and wired applications

## APPLICATIONS:

- Speech
- Flute
- Acoustic instruments and hand drums



WS10S



MC10L



APS-911

# ADX10

**SPECIFICATIONS:**

<b>Transducer Type</b>	<b>Pre-Polarized Condenser</b>
<b>Frequency Response</b>	<b>50 Hz - 18 kHz</b>
<b>Polar Pattern</b>	<b>Cardioid</b>
<b>Output Impedance</b>	<b>800 Ohms balanced</b>
<b>Open Circuit Sensitivity</b>	<b>5.7 mV / Pa</b>
<b>Equivalent Noise Level</b>	<b>25 dB (A weighted)</b>
<b>Signal to Noise Ratio</b>	<b>69 dB</b>
<b>Power Requirements</b>	<b>9 - 52 Volts phantom</b>
<b>Maximum SPL</b>	<b>≥120 dB</b>
<b>Cable/Connector</b>	<b>Shielded 3' terminating to a miniature 3 pin Female XLR connector</b>
<b>Polarity</b>	<b>Positive pressure on diaphragm produces positive voltage on pin 2 relative to pin 3</b>
<b>Housing/Finish</b>	<b>Brass / Black E-Coat</b>
<b>Weight</b>	<b>110 g / 4 ounces</b>
<b>Length</b>	<b>25 mm / .98 inches</b>

**ARCHITECTS AND ENGINEERS SPECIFICATIONS:**

The microphone shall be of the condenser type with a modular threaded capsule. The microphone shall be available in a cardioid polar pattern and shall have a 3' or 8' cable (depending on model) terminating in a mini-XLR female connector. The microphone shall have a sensitivity of 5.7 mV / Pa and a nominal impedance of 800 ohms at 1 kHz. The microphone shall have a maximum SPL level of ≥120 dB and shall be machined out of brass with a length of 25 mm and a capsule diameter of 10 mm. The microphone shall be the Audix ADX10.

**OPERATION AND MAINTENANCE:**

The ADX10 is designed to plug directly into the bodypack of the RAD360 wireless system. To use the ADX10 as a wired mic, you will need the version that includes phantom power supply (model ADX10-P). For flute, you will need model ADX10-FLP.

The ADX10-P and ADX10-FLP are low impedance microphone and should be plugged into a "mic level" input on your console, mixer, or recording device. The ADX10-P and ADX10-FLP require phantom power and will NOT operate without phantom power voltage (minimum of 9 - 48 Volts) which is available on most professional mic preamps and mixing devices. If phantom power is not available on your equipment, use the Audix APS-911 which is an optional accessory that allows for battery operation. Avoid plugging or unplugging the microphone from a 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.

**APS-910 phantom power adapter:** Note that the mini-XLRf connector at the end of the ADX10-P and ADX10-FLP plug into mini-XLRm side of the APS910 power adapter. From there, plug a standard XLR-XLR microphone cable to complete the connection from the APS-910 to the mixing board.

**USER TIPS:**

**Lavalier:** The ADX10 can be attached to a tie, a lapel, or to fabric by mean of the the supplied alligator style clip. For best results, the microphone should be positioned so that the capsule of the microphone is in an upward position and 4-6 inches from the mouth. Be sure that the round ports on the microphone capsule always remain exposed and do not get covered up in any way by clothing.

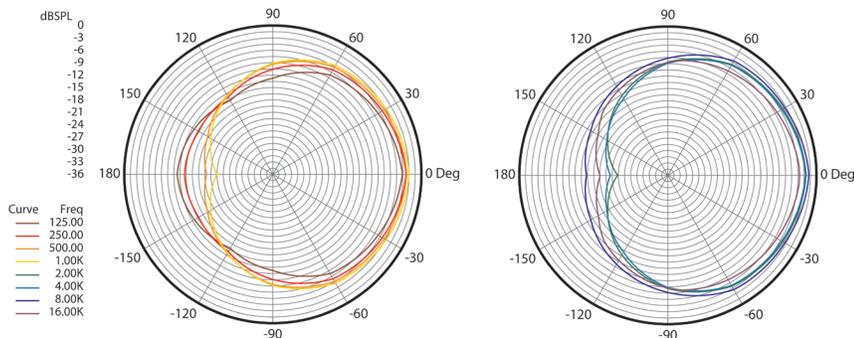
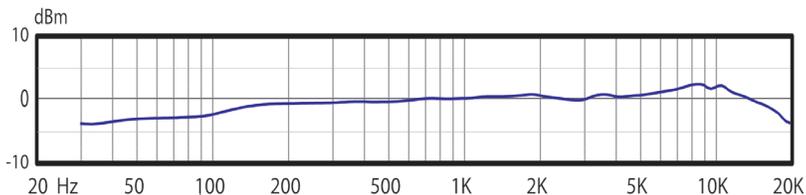
It is recommended to use the supplied external windscreen to help reduce popping and breath noise.

**Flute (Model ADX10-FLP):** With the "crown" detached, simply place the "O-ring" portion of the ADX10-FLP mic clip at the end of the "head join" (as illustrated) and reattach the crown to the head joint.

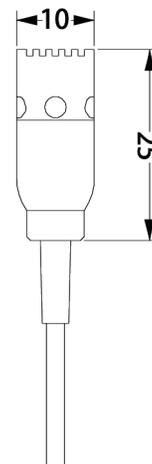
**Acoustic instruments:** For violin, the ADX10 may be attached to the collar of a shirt pointing out towards the body of the instrument. For guitar, the ADX10 may be placed beneath the strings (with tape or velcro) or inside the guitar as an internal microphone. For udu drums, the ADX10 will fit inside the hole of the drum and held in place with the clay provided.



**FREQUENCY / POLARS:**



**DIMENSIONS (mm):**



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

**SERVICE AND WARRANTY:**

This microphone is under warranty for a period of 3 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 ADX10 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.

To register your microphone, please visit [www.audixusa.com](http://www.audixusa.com)

