

ADX10FL

MINIATURIZED CONDENSER FLUTE MICROPHONE

OVERVIEW

The ADX10FLP is a cardioid condenser flute microphone that utilizes a uniformly controlled cardioid polar pattern. This feature assists in isolating the miked sound at the embouchure hole from other instruments or vocals on stage. With a smooth and accurate frequency range of 50 Hz-18 kHz, the ADX10FLP is lightweight, low profile, and furnishes the flutist's natural sound with an exceptional transient response.

The ADX10FLP, specifically for use with a standard flute, includes a clip (attaches to the head joint), an 3' cable terminating to a mini XLR-f connector, and a phantom power adapter (APS911). Other model versions include the ADX10FL for use with Audix wireless systems.

Manufactured to high standards and tight tolerances, the ADX10FLP miniaturized condenser flute mic features a modular threaded capsule, machined brass body with a matte black finish, high-quality shielded microphone cable, and a variety of optional accessories.

Designed, machined, assembled, and tested by Audix in Wilsonville, Oregon.

FEATURES

- Miniature condenser flute microphone
- Natural, accurate sound reproduction
- May be used wired or with RAD360 Wireless System

APPLICATIONS

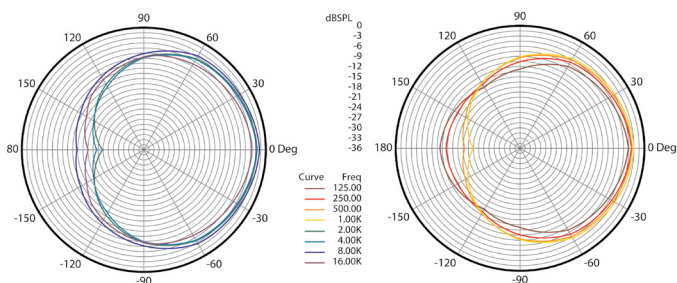
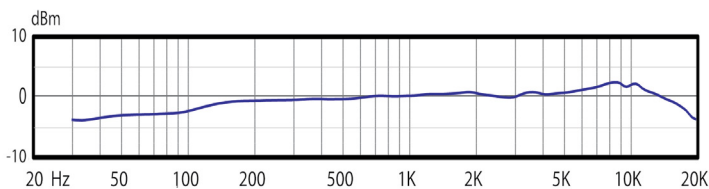
- Flute (Standard size)



SPECIFICATIONS

| | |
|--|---|
| Transducer / Capsule Technology | Pre-Polarized Condenser |
| Frequency Response | 50 Hz - 18 kHz |
| Polar Pattern | Cardioid |
| Output Impedance | 250 ohms |
| Sensitivity | 4.5 mV / Pa @ 1 k |
| Maximum SPL | >120 dB |
| Signal to Noise Ratio | >65 dB |
| Polarity | Positive pressure on diaphragm produces positive voltage on pin 2 relative to pin 3 |
| Equivalent Noise Level | <29 dB (A-weighted) |
| Power Requirements | 5 - 52 V Phantom |
| Connector | Shielded 8' terminating to a miniature 3-pin XLRf |
| Materials / Finish | Machined Brass Capsule / Black |
| Weight | 110 g / 4 oz |

FREQUENCY AND POLAR RESPONSE



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AUDIX

ADX10FLP Spec Sheet DRAFT v4.1

ARCHITECT AND ENGINEER 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 4.5 mV /Pa and a nominal impedance of 250 ohms at 1 kHz. The microphone shall have a maximum SPL level of ≥ 120 dB and is machined out of brass with a length of 25 mm and a capsule diameter of 10 mm.

OPERATION AND MAINTENANCE

ADX10FL: Simply plug the mini XLR on the mic cable directly into bodypack of a RAD360 Wireless System.

ADX10FLP: Plug the mini XLR at the end of a mic cable into the APS911 phantom power adapter. The ADX10FLP requires phantom power and will NOT operate without phantom power voltage (minimum of 5 - 52 Volts) which is available on most professional mic preamps and mixing devices. If phantom power is not available on your equipment, use the Audix APS911, a supplied accessory with the ADX10FLP model that allows for battery operation. Avoid plugging or unplugging the microphone from a PA system unless the channel is muted or the system volume 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 ADX10FL & ADX10FLP 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 affect the sound and performance of your microphone.

USER TIPS

With the "crown" of the flute detached, simply place the "O-ring" portion of the ADX10FLP mic clip at the end of the "head joint" and reattach the crown to the head joint.

The APS 911 phantom/battery power supply: The mini XLRf connector at the end of the ADX10FL plugs directly into the mini XLRm connector on the APS911 power adapter. Next, plug a standard XLR-XLR microphone cable to complete the connection from the APS911 to the mixing board. The APS911 has the option to be used in phantom power mode or battery mode. If there is no phantom power available on the mixing console or equipment being used to amplify your signal, use the battery mode to power up the mic. If further reduction of bass frequencies or plosives is needed, the APS911 is equipped with a base roll-off filter.

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

SUPPLIED ACCESSORIES

- **DCLIP** - Heavy-duty nylon molded snap on clip.
- **P1** - Carrying pouch

OPTIONAL ACCESSORIES

- **MCFLUTE** - Clip for ADX10FLP flute mic. Fits standard size flutes.
- **WS10** - External foam windscreen for reducing wind, sibilance, and pop noise
- **P1** - Carrying pouch
- **APS911** - Optional phantom power adapter for use with electret condenser microphones. Runs on AA batteries when phantom power is not available. Features on/off switch and bass roll-off filter.

DIMENSIONS

