

# AE6100/LE Limited Edition

artist elite® live sound microphones

## Hypercardioid Dynamic Handheld Microphone



### Features

- **Special 50th anniversary limited edition in silver-colored metallic finish with serial number etched on the surface**
- **Assertive sound with excellent monitor cut**
- **High output, fast transients and clean articulation**
- **Maximum feedback rejection**
- **The back-cavity assembly “floats” inside the handle shell, providing exceptional isolation from handling noise**
- **Hypercardioid polar pattern provides maximum feedback rejection and isolation of desired sound source**
- **Multi-stage grille design offers excellent protection against plosives and sibilance without compromising high-frequency clarity**
- **Robust all-metal design for enduring dependability on the road**
- **Quiet-Flex™ stand clamp provides silent, flexible microphone positioning**

### Description

To celebrate Audio-Technica's 50th Anniversary, A-T has introduced the special limited edition AE6100/LE Anniversary Microphone in a silver-colored metallic finish with blue accents. A unique serial number is etched on the surface of each limited edition AE6100/LE.

The AE6100/LE is a dynamic microphone with a hypercardioid polar pattern. It is designed specifically for close-up vocal use in professional live-sound applications.

The hypercardioid polar pattern of the microphone is more sensitive to sound originating directly in front of the element, making it useful for controlling feedback, reducing pickup of unwanted sounds and providing isolation between performers.

The output of the microphone is a 3-pin XLRM-type connector.

The microphone is enclosed in a rugged housing. Its multi-stage grille design offers excellent protection against plosives and sibilance without compromising high-frequency clarity. The included AT8470 Quiet-Flex™ stand clamp permits mounting on any microphone stand with 5/8"-27 threads. A soft protective pouch is also included.

### Operation and Maintenance

Output is low impedance (Lo-Z) balanced. The signal appears across Pins 2 and 3; Pin 1 is ground (shield). Output phase is “Pin 2 hot”—positive acoustic pressure produces positive voltage at Pin 2.

To avoid phase cancellation and poor sound, all mic cables must be wired consistently: Pin 1-to-Pin 1, etc. For a high-impedance (Hi-Z) mic input, connect a Lo-Z balanced cable to a Hi-Z matching transformer at the equipment input.

When using the microphone in settings with a stage monitor speaker, the speaker should be located 135° off axis (45° off the rear of the microphone). This placement, in conjunction with the microphone's uniform hypercardioid pickup pattern, will virtually eliminate the possibility of undesired audio feedback.

Take care to keep foreign particles from entering the windscreens. An accumulation of iron or steel filings on the diaphragm, and/or foreign material in the windscreen's mesh surface, can degrade performance.

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### Specifications

|                           |                                                                                                                        |
|---------------------------|------------------------------------------------------------------------------------------------------------------------|
| Element                   | Dynamic                                                                                                                |
| Polar pattern             | Hypercardioid                                                                                                          |
| Frequency response        | 60-15,000 Hz                                                                                                           |
| Open circuit sensitivity  | -55 dB (1.7 mV) re 1V at 1 Pa                                                                                          |
| Impedance                 | 250 ohms                                                                                                               |
| Weight                    | 310 g (10.9 oz)                                                                                                        |
| Dimensions                | 177.0 mm (6.97") long,<br>48.0 mm (1.89") head diameter                                                                |
| Output connector          | Integral 3-pin XLRM-type                                                                                               |
| Audio-Technica case style | T4                                                                                                                     |
| Accessories furnished     | AT8470 Quiet-Flex™ stand clamp for 5/8"-27 threaded stands; 5/8"-27 to 3/8"-16 threaded adapter; soft protective pouch |

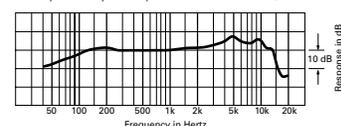
In the interest of standards development, A.T.U.S. offers full details on its test methods to other industry professionals on request.

1 Pascal = 10 dynes/cm<sup>2</sup> = 10 microbars = 94 dB SPL

Specifications are subject to change without notice.

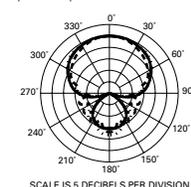
Note: Due to limited production of the AE6100/LE, replacement parts are in limited supply. When the stock of the AE6100/LE parts is depleted, AE6100 parts will be available.

frequency response: 60–15,000 Hz



LEGEND — 12° or more on axis

polar pattern



LEGEND  
200 Hz ———  
1 kHz ·····  
5 kHz ······  
8 kHz - - - - -  
SCALE IS 5 DECIBELS PER DIVISION



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