



# AV1

## VARIABLE PATTERN CONDENSER BOUNDARY MICROPHONES

### Description

The **AV ESSENTIALS AV-1** is a superior, low noise, multi-pattern surface mounted boundary microphone. The **AV-1** is equipped with a multi function mute and switch selectable high pass filter. It is ideal for use on altars, conference tables, stage floors, or television production.

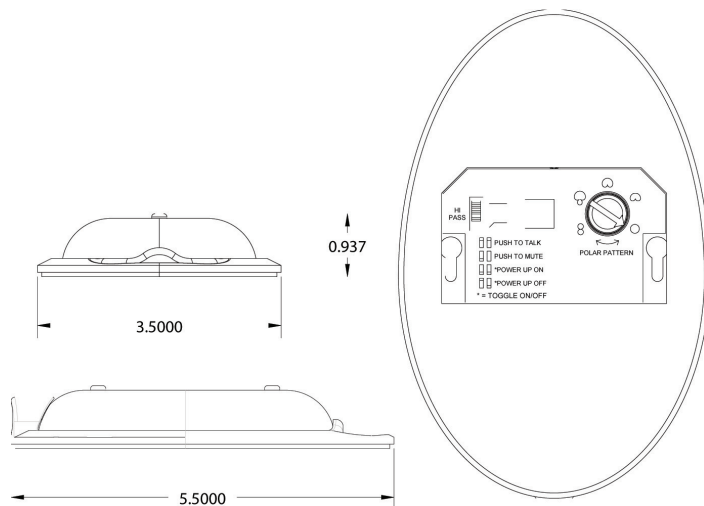
The **AV-1**'s electronics features an advanced transformerless design, that is self contained to eliminate the need for mounting any external boxes. The **AV-1** offers a continuously variable polar pattern. Choose cardioid, super cardioid, figure eight, omni-directional, or any pattern in-between. You no longer need to guess which polar pattern will provide the best gain before feedback. Just dial in the best polar pattern at installation time. The **AV-1** contains a soft touch membrane mute switch. This momentary touch mute switch can be configured for push/hold-to-talk, push/hold-to-mute, or push on/off. In the push on/off mode, the **AV-1** can be configured to power up either on or off. In multiple microphone applications, choose which microphones are live when the system is turned on. An LED indicates when the microphone is on. The **AV-1** is equipped with a switch selectable 12 dB per octave high pass filter that is perfect for eliminating low frequency rumble.

The die cast zinc base and perforated steel screen construction makes this microphone extremely rugged. The foam filter located under the steel screen suppresses pops and wind noise. The **AV-1** can be permanently mounted on most flat surfaces using the two mounting holes located on the bottom of the microphone. When mounted on a flat surface, the **AV-1** will take advantage of the "boundary effect" increase in signal to noise ratio. The **AV-1** comes with 30 feet of detachable high quality microphone cable that is terminated with a standard professional XLR connector.



### Features

- Continuously Variable Pick-Up Pattern Selector Potentiometer
- Programmable Feather-Touch Membrane Switch
- Selectable Push-To-Talk or Push-To-Mute
- Selectable Power-Up ON or Power-Up MUTED
- Selectable Bass Roll-Off Filter (12dB/oct @ 200Hz)
- Status LED
- Special Energy Absorbing Shockmount Compound On Bottom
- Security Control Cover



### AV ESSENTIALS Quality

All **AV-1** microphones are audio tested and inspected prior to shipment. Our absolute commitment to quality insures that **AV ESSENTIALS** microphones remain the **Best Value** in today's competitive industry.

# SPECIFICATIONS FOR AV ESSENTIALS AV-1 MICROPHONE

**Type:**

Electret Condenser Microphone

**Polar Pattern:**

Cardioid / Omni-Directional / Figure 8, Continuously Variable

**Frequency Response:**

40Hz - 15KHz

**Sensitivity:**

-32dBV (25mV) @ 1Pa

**Impedance:**

330 ohms

**Equivalent Noise Level:**

<26dB-A

**Maximum SPL:**

118dB

**Signal To Noise Ratio:**

>68dB

**Power Supply:**

48V phantom

**Current Consumption:**

6mA

**Connector:**

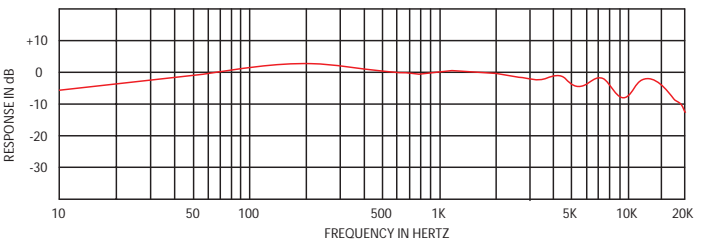
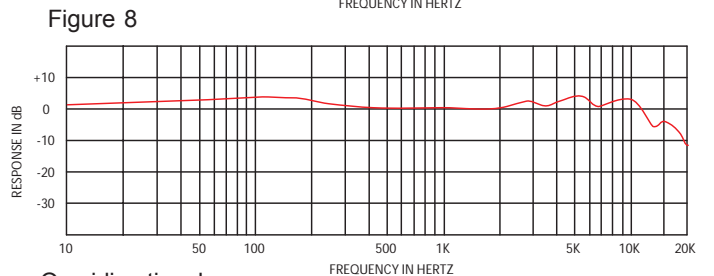
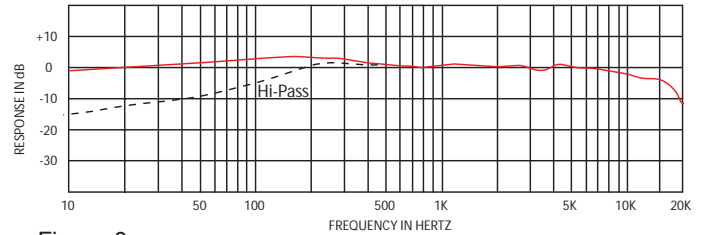
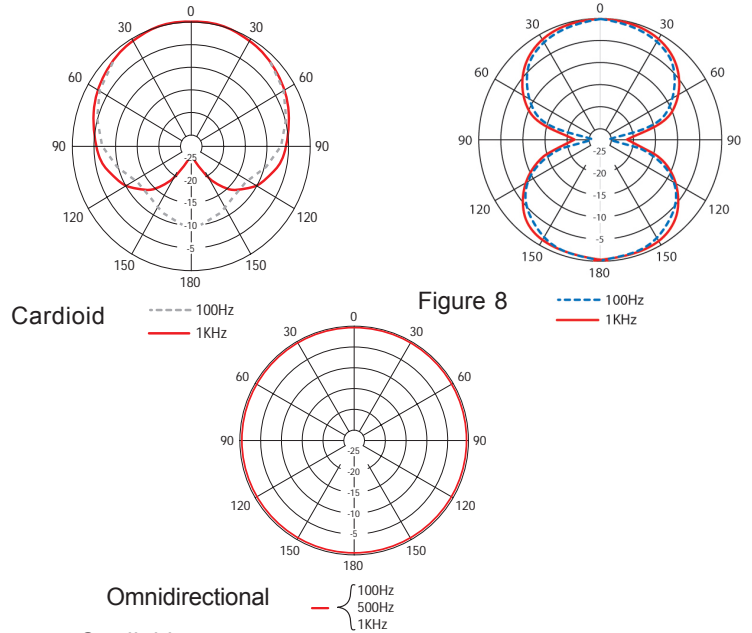
Mini XLR

**External Size:**

5 1/2 (140mm) x 3 1/2 (89mm) x 15/16 (24mm)

**Weight:**

4.6oz



**Architect's and Engineers' Specification**

The microphone shall be an AV ESSENTIALS AV-1. The microphone shall be a miniature dual electret boundary microphone. The frequency response will be 40Hz - 15KHz. The microphone shall have a continuously adjustable polar pattern.

The output level of the AV-1 shall be -32dBV (25mV) @ 1Pa. The microphone will have a miniature 3 pin connector and be supplied with a 30 foot cable that has a mating connector on one end and a professional 3 pin XLR type connector on the other end. The microphone shall have a switch selectable high pass filter with -3dB at 80 Hz and slope of 12dB per octave when enabled. The microphone shall have a locally controlled mute that will provide greater than 60dB of attenuation when enabled. The mute shall be configurable for normally muted / momentary push-to-talk, normally on / momentary push-to-mute or latch on / latch off operation. When configured for latch on / latch off operation, the microphone shall be configurable to either power up on or power up off. The microphone shall have a green LED that will indicate if the microphone is on or off. The microphone will operate from standard 48V phantom power with a current consumption of less than 6 mA.

The dimensions of the microphone shall be 5 1/2" long, 3 1/2" wide, and 15/16" high. The weight shall be 4.6 oz not including the cable. The microphone will have a durable urethane painted finish. The microphone will be black with a black cable or white with a white cable.

**Distributed exclusively by:**



**STARIN™**

136 Venturi Drive  
Chesterton, IN 46304

Phone: 219.929.4127

Fax: 219.929.4377

E-mail: Info@Starin.biz

**TWO-YEAR LIMITED WARRANTY**

Starin Marketing, Inc. DBA the registered trademark "AV ESSENTIALS", hereby warrants that this product will be free of defects in material and workmanship for a period of two years from the date of purchase. In the unlikely event a defect occurs AV ESSENTIALS will, at its option, either repair or replace with a new unit of equal or greater value. You should retain proof of purchase to validate the purchase date and return it with any warranty claim. Return warranty claims carefully packed, insured and prepaid to the Service Department at the address listed below.

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Note: No other warranty, written or oral is authorized.

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