



COUNTRYMAN ASSOCIATES INC

# EMW OMNIDIRECTIONAL LAVALIER MICROPHONE

A world-favorite lavalier, the EMW delivers excellent sound with minimal clothing noise, in a sleek, yet rugged, nearly waterproof design.

That's why the EMW lavalier has long been regarded as one of the best, most affordable workhorse lavaliers on the market, which no audio kit should be without. From news anchors and talk show guests to underwater documentaries and feature films, our EMW is truly in use everywhere you've never noticed!

## Applications

- Best mic for hiding under clothing in film, theater and TV production
- General purpose lavalier for churches, schools, interviews, news
- Immersability allows use near water or in intense weather

## Style

- Wide assortment of clips available - tie clip, double clip, magnetic clip, and viper clip.
- Small, sleek, classic lavalier shape
- Available in Black, White, Light Beige, and Cocoa.

## Performance

- Very low rubbing noise.
- Outstanding sound quality
- Choice of frequency response: shelved for normal lavalier use, peaked for use behind clothing, or flat for miking instruments.
- Extremely uniform omnidirectional pattern over a wide range of frequencies.

## Durability

- Kevlar cable.
- Highly moisture resistant.



Supplied with carrying case, windscreen, two tie clips, and viper grip clip. Magnetic clip and double tie clip available.

**Frequency Response :**  
20 Hz to 20 kHz

**Sensitivity:**  
-40 dB re. 1 V/Pascal

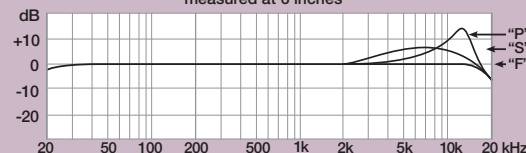
**Equivalent Acoustic Noise:**  
24 dBA SPL

**Output Impedance**  
600 Ohms balanced for wired operation  
1500 Ohms unbalanced for wireless

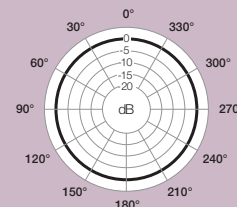
**Overload Sound Level:**  
130 dB SPL @ 1% THD on 48 V Phantom  
(dependent on transmitter for wireless)

**Power Requirements :**  
Phantom: 6 to 50 Volts @ 4 mA  
Wireless: 1.5 to 24 Volts 400 uA

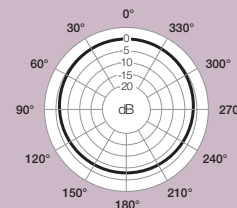
### Frequency Response measured at 6 inches



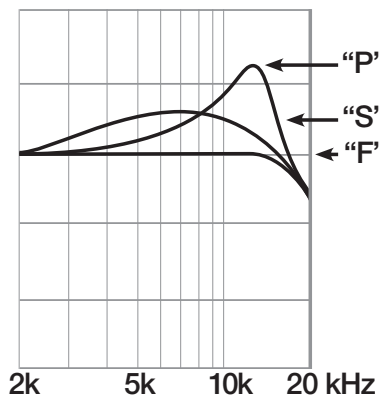
### < 8 kHz Polar Response



### 15 kHz Polar Response



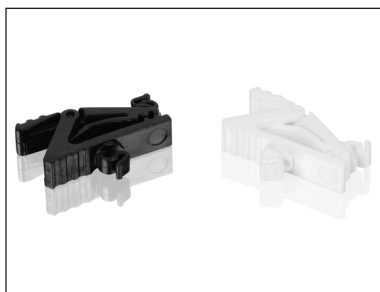
# EMW Lavalier: Frequently Asked Questions



## Which response should I choose?

The EMW Lavalier is available in three frequency responses, all of which deliver audio quality with exceptional warmth and smoothness.

- “F” Response: the flattest possible curve for uncolored reproduction of audio sources such as musical instruments or room ambient sounds.
- “S” Response: provides a smooth 6 dB “shelved up” curve between 2 kHz and 15 kHz to compensate for lost facial reflections when the mic is used on the exterior of the body, as in the typical lapel or tie-clip position. This is the standard “lavalier” frequency response.
- “P” Response: provides a sharp 12 dB “peaked” curve at 12 kHz to preserve sibilance and intelligibility when the mic is hidden under clothing.



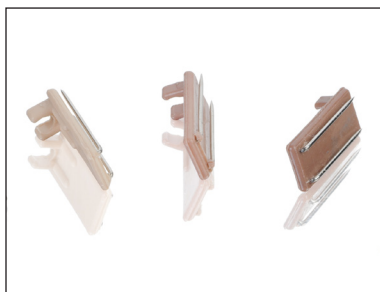
## Which clip should I choose?

Countryman manufactures a wide variety of clips which increase the versatility of the EMW.

- The standard tie clip comes in black and white; both colors are provided with the EMW. This lightweight plastic clip is a good choice for ties and lapels. The white clip can be colored with a felt pen if a custom color match is necessary.



- The double tie clip can hold two EMWs for applications where low-profile redundancy is important.



- The viper grip clip has two pins on the back and slides securely into cloth at any angle. The clip is designed to hold the microphone a fraction of an inch away from the back plate. Turning the active side of the capsule into the surface of the clip provides even more protection from handling noise and creates a boundary type effect. The viper grip is a good choice for discrete placement on the inside or outside of clothing and is available in colors to match the EMW.



- The magnetic clip consists of two halves that can be placed on either side of a piece of cloth and clamp together magnetically. The inner piece has a lanyard made of clear nylon line, which can be hooked over a button to make retrieval easier. This clip is ideal for attaching the mic to delicate materials where pins are inappropriate.