



CPSM Shock-Mount Kit for CP212 and CP218 Microphones

- Virtually eliminates mechanically transmitted noise from the mounting surface
- More than 15 dB of mechanical shock isolation at 200 Hz
- Provides theft-resistant mounting of CP212 and CP218 microphones
- Mounts in panels up to 1½ inches thick

SPECIFICATIONS

Construction:

Polycarbonate plastic shock mount with a nickel-plated steel sleeve insert; mounting flange top surface finished in non-reflecting black

Recommended For:

CP212 and CP218 podium microphones

Maximum Panel Thickness:

1½ inches (38.1 mm)

Dimensions,

Height:

1.29 inches (32.77 mm)

Width:

2.06 inches (52.32 mm)

Net Weight:

1.21 ounces (34.35 grams)

Shipping Weight:

2.81 ounces (79.55 grams)

DESCRIPTION

The CPSM shock-mount kit is a permanent mounting accessory providing shock isolation for the CP212 and CP218 podium microphones. The amount of isolation is substantial, in excess of 15 dB at 200 Hz (see Figure 1). The CPSM is also theft resistant after installation, with the microphone locked to the shock mount's sleeve insert. Mounting a CP212 or CP218 to a podium, lectern or desk top is quick and easy using the CPSM shock-mount kit.

The CPSM kit consists of a shock mount, template, set screw, hex-key wrench and three screws. It is designed for installation into panels up to 1½ inches thick.

INSTALLATION

1. Select the microphone location by first checking for obstructions under the panel that will interfere with the microphone, and for a flat surface on which to properly seat the top flange. Panel thickness may not exceed 1½ inches (38.1 mm).
2. Clean the surface of the panel on which the shock mount is to be installed.
3. Crack and peel off the protective backing of the template and carefully place the template on the panel surface at the chosen location for the shock mount.
4. Drill a 1⅜-inch diameter hole (approximately 39.4 mm) through the center of the template.
5. Drill three holes for the #6 wood screws. The hole size for these screws will depend on the panel material.
6. Set the roll-off switch on the microphone for the desired response.

7. Insert the microphone into the shock mount. Turn the microphone so that the plastic roll-off switch holder and the switch do not come in contact with the set screw. Insert the microphone to the top of the microphone's electronics housing, as shown in the photograph. (The top of the electronics housing is the junction just above the three holding set screws.)
8. Mount the kit's set screw on the provided hex-key wrench. Insert the set screw into the tapped hole in the steel sleeve and tighten, securing the microphone in the shock mount.
9. Connect the female 3-pin connector to the microphone. If depth is restricted, a right-angle audio connector may be required. Place the shock mount into the drilled hole. Align the shock mount with the three drilled holes. Secure the assembly to the panel by screwing in the three remaining wood screws.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The shock mount shall have a minimum of 15 dB of shock isolation at a frequency of 200 Hz in the vertical axis.

Dimensions shall be 2.06 inches (52.32 mm) diameter and 1.29 inches (32.77 mm) high. Net weight shall be 1.21 ounces (34.35 grams). The shock mount shall have a non-reflecting black polycarbonate plastic outer flange that fits into a hole of 1⅜ inches (39.4 mm) in diameter and is secured to a desk top by three screws; two butyl rubber shock mounts; and a nickel-plated steel inner sleeve that captures the microphone and acts as a theft-resistant security device.

The Electro-Voice CPSM shock mount is specified.

FIGURE 1 — Shock and Vibration Isolation of the CPSM Shock Mount (Microphone output referenced to 1 g acceleration at 200 Hz)

