AT8646QM

accessories

Shock-mount Plate

shock isolator designed to minimize the pickup of mechanical noise from the mounting surface. The associated microphone shall plug into the mounting plate via a 3-pin XLRF-type input connector and a 3-pin terminal strip shall be provided on the bottom of the plate for audio output. The unit shall offer a low-reflectance black finish. The unit's dimensions shall be: 78.0 mm (3.07") wide, 78.0 mm (3.07") deep, 8.4 mm (0.33") high. Weight of the shock mount less microphone, shall be 64 g (2.3 oz).

The Audio-Technica AT8646QM is specified.

Features

- **Intended for use with microphones mounted on lecterns, pulpits, conference tables and other surfaces**
- **XLRF-type connector works with plug-in gooseneck microphones with XLRM-type outputs**
- **Suspended rubber panel isolates microphone from the mounting surface**
- **Low-profile design with low-reflectance black finish for minimum visibility**

Description

The AT8646QM shock-mount plate effectively isolates mounted microphones from impact vibration and mechanical noise normally transmitted from the mounting surface. It is intended for use with microphones mounted on lecterns, pulpits, conference tables and similar surfaces. Designed especially for UniPoint® and Engineered Sound® gooseneck microphones, they may be used with other lightweight plug-in microphones with XLRM-type outputs. The AT8646QM can be mounted in any smooth, horizontal surface. All connections exit the bottom of the mount and are via screw terminal strips.

Installation

Following the dimensions included on this sheet, drill a 2" clearance hole and four small pilot holes for screws in the mounting surface. A smooth, horizontal (not tilted) surface is preferred for best performance.

Connect a flexible two-wire shielded cable, such as AT8300, to the screw-terminals on the bottom of the AT8646QM, after bringing the cable-end up through the 2" mounting hole. *Note that the terminal order is 1-3-2.* The terminal numbers are on the circuit board and on the terminal strip. Connect the shield to Terminal 1, balanced signal/phantom power to Terminals 2 and 3. Connect the "positive" signal lead to Terminal 2, in accordance with industry convention. Make certain that the screw-terminals are on the bare wire strands, not the insulation, and that there are no bare wires or loose strands that could touch each other.

Once the wiring is complete, carefully position the shock mount on the mounting surface and attach it with the included screws, or with #6 hardware. Secure the mic cable to the bottom of the mounting surface near the shock mount, using a cable clamp or similar device. Leave a small "loop" of cable hanging freely below the shock mount. If the cable is pulled snug, it will "bypass" the suspension and reduce its effectiveness. Securing the cable also helps protect the screw-terminal connections.

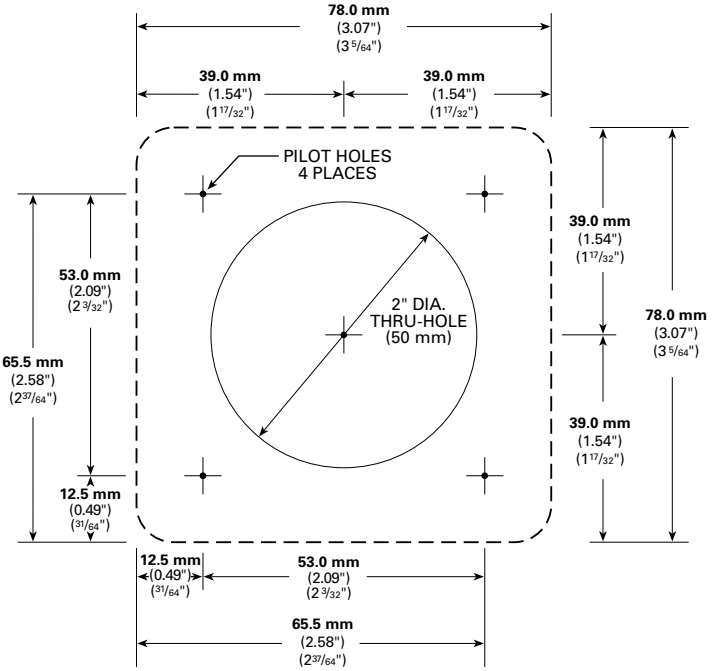
Architect's and Engineer's Specifications

The shock mount plate shall be designed to work with any dynamic gooseneck or phantom powered condenser gooseneck microphone with an integral 3-pin XLRM-type output connector. The plate shall have a large

Specifications

Input connector	3-pin XLRF-type connector
Output connectors	Terminal Strip
Dimensions	78.0 mm (3.07") wide, 78.0 mm (3.07") deep, 8.4 mm (0.33") high
Weight	64 g (2.3 oz)

In the interest of standards development, A.T.U.S. offers full details on its test methods to other industry professionals on request. Specifications are subject to change without notice.



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