Rack Mounting the Model 43D IFB Interface

For permanent or mobile applications it might be desirable to mount one or two Model 43D units into one space (1U) of a 19-inch rack enclosure. A number of rack-mount front panels, purchased separately, are available from Studio Technologies. The following provides details on how to install Model 43D units to these panels.

To attach a Model 43D unit to the singleunit rack-mount panel, begin the process by using a 5/64-inch hex wrench to remove the four 6-32 thread button-head cap screws that hold the standard front panel to the chassis. Note that the screws might be quite tightly affixed. Ensure that a good-quality hex wrench is used and press and hold it firmly into the screw heads while turning counterclockwise. Unless this recommendation is followed the wrench could "cam out" and the head could be "stripped."

Using the screws that were just removed, attach the rack-adapter front panel to the Model 43D's chassis. To prevent damage care is required when aligning the front panel with the 24 LEDs and auto null pushbutton switch that protrude through both the Model 43D's chassis and front panel. Tighten the four screws only after a careful

inspection ensures that the switch and all 24 of the LEDs protrude through the front panel without interference. To allow vertical clearance in the associated rack, remove the four "bump on" protectors from the bottom of the chassis. They are removed by using the fingers to rotate them counterclockwise; no tool is required. Carefully protect and store the standard front panel, along with the "bump on" protectors, for possible later use.
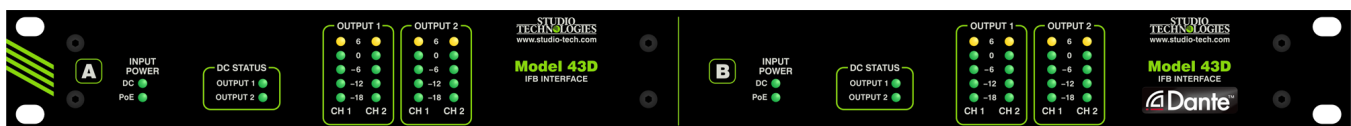
Mounting a Model 43D to a dual-unit rackmount panel follows the same procedure but will apply to two units. Store both of the removed standard front panels and the eight "bump on" protectors for possible later use. Note that on the rack-panel's graphics the unit on the left is designated as A while the unit on the right is designated as B. This is provided so that each can be easily identified during installation, troubleshooting, and operation.

Once the desired one or two Model 43D units have been installed in a rack-mount front panel, the assembly can be mounted into the designated equipment rack. One space ("1U" or 1.75 vertical inches) in a standard 19-inch equipment rack is required. Secure the front panel into the equipment rack using two mounting screws per side.

Rack-Mount Front Panel for One Model 43D Interface *(Order Code: M43DRM-1)*
This rack-mount front panel is used for mounting one Model 43D IFB Interface unit into one space (1U) of a 19-inch equipment rack.

Rack-Mount Front Panel for Two Model 43D Interfaces *(Order Code: M43DRM-2)*
This rack-mount front panel is used for mounting two Model 43D IFB Interface units into one space (1U) of a 19-inch equipment rack.