



## Rack Mounting the Model 45A Interface

For permanent or mobile applications it's possible to mount one or two Model 45A units into one space of a 19-inch rack enclosure or one unit in a special 10.5-inch rack. Three rack-mount front panels, purchased separately, are available from Studio Technologies.

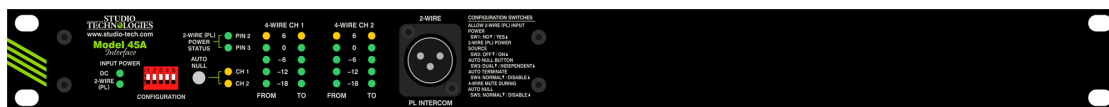
The following provides details on how to install and use the panels. To attach a Model 45A unit to either one of the single-unit rack-mount panels, begin the process by removing the four 6-32 buttonhead screws that hold the cover onto the chassis. This requires the use of a 5/64-inch hex wrench. Save the cover, screws, and lock washers for later use. With the cover removed, observe the cable and 3-position socket that are part of the 3-pin male XLR connector assembly that's attached to the standard front panel. Carefully detach the socket from the 3-pin header, located on the main printed circuit board adjacent to the back panel. Remove the 3-pin male XLR connector from the front panel by removing the two 4-40 Philips-head machine screws. Save the XLR assembly and associated screws for later use.

Use the 5/64-inch wrench to remove the four 6-32 button-head screws that hold the standard front panel to the chassis. Save the screws for reuse. Carefully protect and store the standard front panel for possible later use. Using the screws that were just removed, attach the rack-adaptor front panel to the Model 45A's chassis. To prevent damage extreme care is required when aligning the front panel with

the LEDs, DIP switch, and auto null pushbutton switch that protrude through both the Model 45A's chassis and front panel. Tighten the four screws only after a careful inspection, ensuring that all parts protrude through the front panel without interference. Reattach the 3-pin male XLR assembly to the front of the rack panel using the two 4-40 Philips-head screws. Attach the 3-position socket to the 3-pin header located on the main printed circuit board adjacent to the back panel. Ensure that the three pins of the header align with the three openings in the socket. Reattach the top panel, securing it to the chassis with the four screws and lock washers. If required for mounting clearance, remove the "bump on" protectors from the bottom of the chassis.

Mounting the dual-unit rack-mount panel follows the same procedure but applies to two Model 45A units. Store both of the removed standard front panels for possible later use. Note that on the front-panel graphics one unit is designated as A while the other 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 45A 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 either a standard 19-inch or a special 10.5-inch equipment rack is required. Secure the unit into the equipment rack using two mounting screws per side.



**Rack-Mount Front Panel for One Model 45A Interface** (Order Code: M45ARM-1)

Rack-mount front panel used for mounting one Model 45A unit into one space (1U) of a 19-inch equipment rack.



**Rack-Mount Front Panel for Two Model 45A Interfaces** (Order Code: M45ARM-2)

Rack-mount front panel used for mounting two Model 45A units into one space (1U) of a 19-inch equipment rack.



**"1/2-Rack" Front Panel for One Model 45A Interface**  
(Order Code: M45ARM-3)

Rack-mount front panel used for mounting one Model 45A unit into one space (1U) of a special 10.5-inch equipment rack.

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