



Model 24

Access Station

Overview

The Model 24 Access Station works in conjunction with two Studio Technologies' Model 2A Central Controllers to provide a 4-channel IFB origination ("talk") location. Five pushbutton switches allow direct access to each of the IFB channels, as well as providing an "all call" function. The switches are backlit for visibility in locations with low ambient light conditions. Each switch also provides a "tally" indication, lighting brightly when their associated IFB channel is active. The carefully optimized circuitry is capable of providing "high-fidelity" IFB audio performance. This is unique in the often-ignored yet critical talent cueing function. Model 24s are typically installed at positions convenient to producers, directors, or other personnel who need to cue on-air talent. Up to four Model 24 units can be connected to, and powered by, two Model 2A Central Controllers.

The Model 24 consists of a metal chassis containing five lighted pushbutton switches, microphone and line inputs, and supporting audio, status, and control circuitry. An external interrupt audio source is required. This can be in the form of a microphone or line-level signal. A microphone input is provided for connection to an electret gooseneck microphone. The Model 11A Gooseneck Microphone, an option available from Studio Technologies, is directly compatible. The transformer-coupled line input allows various pieces of communications equipment to serve as the interrupt audio source. This can be used to interface with intercom systems from companies such as RTS® and Clear-Com®, typically utilizing their "hot mic out" signals. A configuration switch allows Model 24 interrupt activity to mute the monitor amplifier outputs on the associated Model 2A Central Controllers.

The optional Model 27A Rack Mounting Adapter allows the Model 24 to be mounted in one space of a standard 19-inch rack enclosure. Alternately, the Model 24 can be flush mounted in an opening provided in a custom-fabricated enclosure or cabinet surface. The Model 24 interfaces with two Model 2A Central Controllers using separate 9-conductor interface cables. Power for the Model 24 is provided by the connected Model 2A Central Controllers. However, only one Model 2A needs to be operational for the Model 24 to be functional.

Key Features

- 4-channel IFB remote panel
- Works with Model 2A Central Controllers
- No external power source required
- Supports mic and line inputs
- Excellent audio quality
- Backlit pushbutton switches



Specifications

Model 24 Access Station

Application: provides remote 4-channel interrupt (talk) location for IFB system based on two Model 2A Central Controller units, up to four Model 24 units can be connected to the two Model 2A Central Controllers

Power Requirements: 18 volts DC, 50 milliamperes nominal, provided by connected Model 2A Central Controller

Interconnections: two DE-9F (9-pin D-subminiature female) connectors; each links the Model 24 with a Model 2A Central Controller

Interrupt Switches: 5

Functions: IFB 1-4, All Call

Type: momentary pushbutton, EAO 99-series, all backlit, tally indication for IFB 1-4 functions

Microphone Input:

Compatibility: 2-wire electret, designed for use with Studio Technologies' Model 11A Gooseneck Microphone (purchased separately)

Intended Input Level: -25 dBu nominal

Connector: three terminals on a screw terminal strip

Line Input:

Type: transformer coupled, compatible with balanced or unbalanced audio signals

Input Impedance: 40 k ohms, nominal

Input Level: -15 to +10 dBu, adjustable using trim potentiometer

Connector: two terminals on a screw terminal strip

Monitor Muting: switch selectable, allows Model 24 interrupt activity to mute monitor amplifier outputs on Model 2A Central Controllers

Dimensions (Overall):

6.4 inches wide (16.3 cm)

1.6 inches high (4.1 cm)

5.2 inches deep (13.2 cm)

Mounting: rack mounted using Model 27A 19-Inch Rack Adapter (purchased separately); can also be flush mounted in custom-fabricated rectangular opening in enclosure or work surface

Weight: 0.8 pounds (0.35 kg)

Model 27A 19-Inch Rack Adapter

Application: intended for use with one Model 24 Access Station and one Model 11A Gooseneck Microphone

Dimensions (with Model 24 attached):

19.0 inches wide (48.3 cm)

1.72 inches high (4.4 cm)

5.2 inches deep (13.2 cm)

Mounting: one space (1U) in a standard 19-inch rack

Weight (with Model 24 attached): 1.6 pounds (0.7 kg)

Specifications subject to change without notice.

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Model 24 Access Station

(shown with optional Model 27A Rack Adapter and Model 11A Gooseneck Microphone)

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