

DESCRIPTION

The MKP-4 Modular Keypanel can be rack mounted or used on a desktop. It is ideal for users who want full access to the most commonly used keypanel features, and who generally communicate with four or less locations in the intercom system at any given time. At the same time, it features a simple, intuitive user interface, which lets the keypanel operator quickly change the key assignments if needed.

FEATURES AND BENEFITS

- Works with ADAM™, ADAM CS and Zeus™ Digital Matrix Intercom Systems.
- Full-function intercom keys with LED indicators.
- Alphanumeric call waiting window with response key.
- Full access to intercom key and setup page assignments.
- 4-wire, balanced audio input and output.
- Use with a headset or with a microphone and speaker. Works with: RTS headsets with A4M connector; MCP5 and MCP6 Panel Microphones; MCS325 Modular Speaker.
- Easy installation setup.
- One rack unit (RU) high, ½ RU wide. Mounts in a standard equipment rack with RTS MCP rack mount hardware. Can be mounted in same rack unit with an MCS325 Modular Speaker.
- Universal Power: Ready for worldwide use. Accepts any mains voltage from 90-240 VAC, 47/63 Hz.

SPECIFICATIONS

Matrix Input/ Output
8 dBu nominal, 20 dBu maximum

Audio Performance
SNR at 8 dBu (A-weighted): > 70 dB
THD+N at 8 dBu (Unweighted): < 0.5%
Frequency Response at 8 dBu: ± 1.5 dB from 100 Hz - 20 kHz
CMRR: > 70 dB

Panel Mic Input
Mic Type: Electret condenser
Power: Phantom (+5V DC)
Nominal Level: -40 dBu
Maximum Level: -25 dBu

Headset Mic Input
Mic Type: Dynamic
Nominal Level: -55 dBu
Maximum Level: -40 dBu

Headphone Output
Impedance: 50 to 600 ohms
Output Power: 150 mW into 50 ohms
Output Voltage Level: 8 volts p-p maximum

Speaker Output
4 Watts into 8 ohms maximum

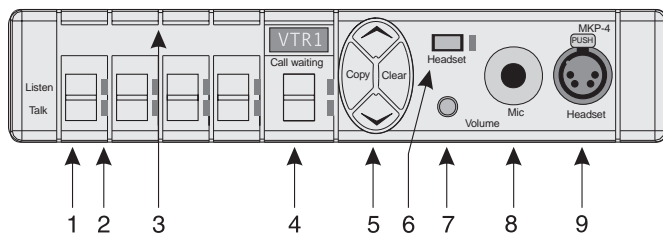
Environmental
Operating Temperature: -20°C to 50°C
Storage Temperature: -40°C to 85°C
Humidity: 0 to 95%, non-condensing

Power Requirements
90 to 240 VAC, 47 / 63 Hz

Dimensions
1.72" (44mm) high x 8.19" (208mm) wide x 8" (203mm) deep

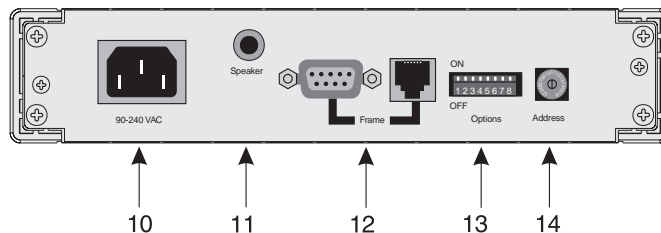
Finish
Thermoplastic front panel, aluminum case, light gray finish

Approvals
UL, CSA, UDE, CE



FRONT PANEL DESCRIPTION

- 1) Intercom Keys: Assignable for several types of operation, including talk only, listen only, talk with auto-listen, and all-call (where activating the key also activates all keys to the left of that key). Keys feature momentary or latching operation. For momentary operation, the operator presses and holds a key while communicating, then releases it when finished. For latching operation, the operator taps a key to turn it on, then taps it again to turn it off. Latching can be disabled via an options switch (13) or from ADAMedit or ZEUSedit.
- 2) Key Indicators: Two bi-color (red and green) LED indicators for each key. Provide indications for talk on/off, listen on/off, incoming call, busy (for keys assigned to talk to IFB's), and in-use (for keys assigned to talk to either IFB's or ISO's).
- 3) Designation Strip Holder: Holds printed strip identifying key assignments. Works with ADAMedit and ZEUSedit designation strip print feature.
- 4) Call Waiting Display and Response Key: 4-character, alphanumeric display for incoming caller names. Talkback to caller via the response key. The call waiting window and response key are also used with the copy, clear, and scroll keys (5).
- 5) Copy, Clear, and Scroll keys: Used for key and setup page assignment. Can also be used to talk to any location in the intercom system when no intercom key is assigned. (Note: There are 4 setup pages. Each contains a complete set of key assignments.)
- 6) Headset On/Off Key with Indicator. When the headset is on, the speaker output and panel mic are off.
- 7) Listen Volume Control for Headset or Speaker.
- 8) Panel Mic Connector: 1/4", 3-conductor phone jack. Accepts MCP5 or MCP6 Panel Microphone.
- 9) Headset Connector: A4F (XLR-4F) connector. Accepts any RTS headset with A4M (XLR4M) connector.



BACK PANEL DESCRIPTION

- 10) Universal Power Input: Accepts any mains voltage from 90-240 VAC, 47-63 Hz.
- 11) External Speaker Connector: 1/4", 3-conductor phone jack. Internal speaker amplifier drives any 8-ohm speaker, such as the RTS Model MCS325.
- 12) Intercom Frame Connectors. Includes both 9-pin female Dsub and RJ11.
- 13) Options DIP Switches:
 - Latching: The electronic latching feature for the intercom keys can be turned on or off as previously mentioned.
 - Name Display for Assigned Keys: Assigned intercom keys provide an LED flash for incoming call announce. Optionally, the caller's name can also be displayed in the call waiting window. (Incoming calls from anyone else are always displayed in the call waiting window.)
 - Incoming Call Timeout Select: Incoming call LED flash can be set for 15 seconds, or until the caller's key is released.
 - Baud Rate: Selects the baud rate required by the intercom system for data exchange.
- 14) Address Select Switch: 16-position rotary switch: Selects intercom port address.

ORDERING INFORMATION

Description	Order Number
MKP-4 Modular Keypanel	90007647000
MCP1 Rack Mount Kit (for 2 components)	9002657500
MCP2 Rack Mount Kit (for 1 component)	9002657600
MCP5 Panel Microphone, 12"	9002666500
MCP6 Panel Microphone, 20"	9002666600
MCS325 Modular Speaker	9000656800

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