

(Pushbutton Version Shown Above, Lever Key Version Also Available)

FEATURES AND BENEFITS

- Compatible with all RTS™ Digital Matrix Intercom Systems, including CS9000 Series, ADAM™, ADAM CS, and Zeus.
- Menu-driven key assignment: All types of key assignments may be programmed using a menu-driven list. Eliminates complicated programming keystroke sequences.
- Independent volume adjustment for each channel (ADAM, ADAM CS, and Zeus only). Eliminates annoying variations in channel listen levels.
- Dual-action key operation with latch defeat: A single tap turns a key on or off for latched "hands-free" communication. Or, a key may be pressed and held for momentary-only operation. Latching may be disabled for selected keys to eliminate open-mic or open-transmit problems.
- Button lock: Talk and listen may be independently locked on or off for any key. Protects against accidental deactivation of important monitored channels.
- Local Groups: Selected keys can be assigned to groups for one-key activation to create custom conference channels.
- Solo: Any key may be programmed to temporarily turn off all other keys when activated to create a local "ISO".
- Chime tones: One of three distinctive tones may be assigned to any key for incoming call/message announce. Aids caller ID when the user is away from the KP-12.
- Enhanced telephone support: Dialing is as easy as using a regular telephone. Three types of telephone keys are possible: manual-dial, redial, or auto-dial.
- Available in push button or lever key versions.

DESCRIPTION

The RTS™ Model KP-12 Keypanel fits in a single rack space and has twelve intercom keys with four-character alphanumeric displays. Its compact size makes it ideal for use in broadcast vans or any location where equipment space is at a premium. At the same time, the KP-12 can access up to four "pages" of pre-programmed key assignments, making 48 key assignments available to the user in an instant. Where space permits, up to three 12- or 20-key expansion panels can be added to the KP-12, permitting up to 64 intercom keys in just four rack units.

Though small in size, the KP-12 has many exceptional features. Beginning with the improved tri-color key status indicators, the user can quickly identify which keys are activated for listen and/or talk (green status), and which intercom channels are currently in-use by someone else (yellow status). There is also a brief yellow "busy" flash when the user attempts to activate a high-priority IFB channel that is in-use, or attempts to access a remote intercom system when no trunking lines are currently available. Incoming intercom and telephone calls are indicated by a brief red-flash, and the user can optionally assign any one of three distinctive chime tones to a key for incoming call announcement.

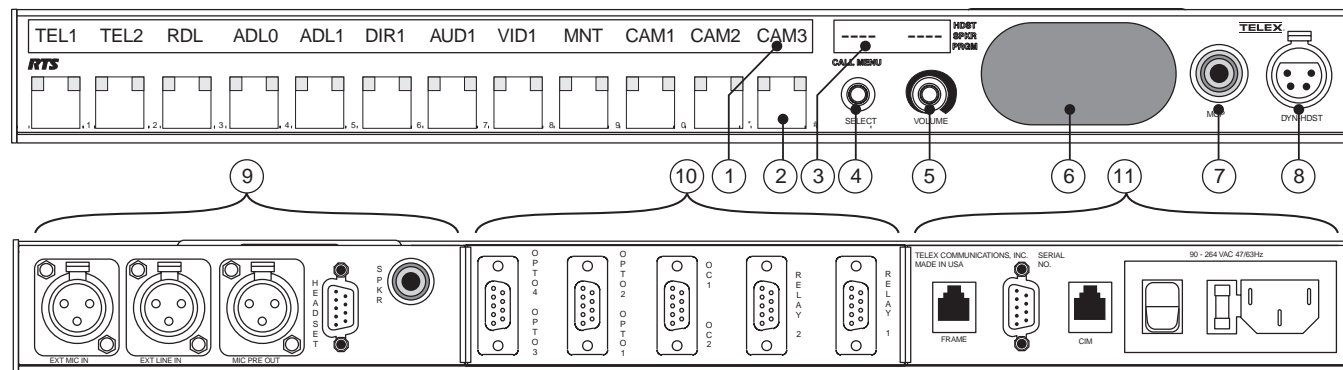
The KP-12 also provides seamless support for the RTS Model TIF951 Telephone Interface. With the ability to store auto-dial numbers locally and assign them to keys, the user can access a phone line and dial a number with a single key tap. For simplicity, all status indicators and chime tones work the same way for phone keys as for regular intercom keys.

Programming the KP-12 is also a snap, or maybe we should say, a click. The user simply rotates a single control to choose an item in the programming display, then clicks the control to select the item. All features of the KP-12 are fully programmable using this simple rotate-and-click approach. No complicated keystroke sequences are required.

With all these features as standard, there are still a few options available for the user with special requirements. An optional General Purpose Interface (GPI) provides four opto-isolated inputs, two open-collector outputs, and two relay outputs. The open-collector and relay outputs may be assigned for activation of external devices from keypad keys. Each opto-isolated input may be assigned to activate an individual key or groups of keys, or to change the setup page, or to activate one of the relay outputs.

An optional connector module provides connectors for: external mic and line inputs; mic preamp output (which can be turned on or off via the front panel programming); external dynamic-mic headset; and external speaker.

The KP-12 is a "world product" capable of operating from 90-264 VAC, 50/60 Hz. It meets applicable FCC, UL, CSA, VDE, and EC specifications.



1. Four-character alphanumeric LED display for channel ID.
2. Intercom/phone keys with talk and listen status indicators. (Push-button or toggle style available.)
3. Eight-character alphanumeric LED display for programming. Also used for incoming call announce when no key is assigned to the caller.
4. Programming selector.
5. Master volume control.
6. Speaker.
7. Gooseneck microphone connector.
8. Dynamic-mic headset connector.
9. Optional audio connector module.
10. Optional General Purpose Interface (GPI) module.
11. Power module, with matrix and expansion connectors.

Model KP-12 Specifications		Volume Control Range:	
Microphone Preamplifier			70 dB
Audio Input Level (at 1 kHz):		Mute:	Full: 70 dB min. Partial: 6 dB, 0 to 30 dB adjustable
Electret Mic:	-42 dB, 5 kohm	Speaker:	2 watts continuous, 4 watts peak
Dynamic Mic:	-60 dBm, 150 ohms	Intercom Line Input/Output	
Output Level (to matrix):	+8 dBu, ± 0.2 dBu	Main Output, Nominal:	+8 dBu, ± 0.2 dBu
Max Voltage Gain, Mic to Line:	70 dB, ± 2 dB	Main Input:	Nominal: +8 dBu Peak: ± 20 dBu max.
Frequency Response:	100 Hz to 8000 Hz, ± 3 dB	External Line Input, Nominal:	+8 dBu
Test Oscillator:		General	
Output Level (to matrix):	+8 dBu ± 2 dBu	Input Power Requirements:	
Output Frequency:	400 Hz	AC Supply:	90-264 VAC, 50/60 Hz
Headphone Amplifier:		Environmental:	
Maximum Voltage Gain:	30 dB	Storage:	-40°C to +60°C
Frequency Response:	100 Hz to 8000 Hz, ± 3 dB	Operating:	-10°C to +41°C
Headphone Impedance:	50 to 600 ohms	Dimensions:	1 RU x 5.5" (140 mm) deep
Output Power:	150 mW into 50 ohms	Standard Connectors (Other connector options aval.)	
Output Voltage Level:	8 volts peak-to-peak (max.)	Panel Microphone:	3-circuit, 1/4" phone jack w/threaded metal bushing, compatible w/ RTS MCP5/6
Mute:	Full: 70 dB min. Partial: 0 to 30 dB	Headset	XLR4 female
Sidetone Range:	30 dB	AC Power Input:	IEC 320
Speaker Amplifier and Speaker		Intercom:	Parallel-wired DE9S and RJ-11 Connectors
Frequency Response:	100 Hz to 8000 Hz, ± 3 dB		
Output Power (per amplifier):	5 watts into 4 ohms		
Output Voltage Level:	16 volts peak-to-peak (max.)		

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