



KP-632/24

24-Position Keypanel

The RTS Model KP-632/24 keypanel mounts in a standard 19" equipment rack, is two rack spaces high and has 24 lever keys: 22 keys for intercom talk/listen assignment; 1 key for call waiting respond/clear; and 1 key for headset/microphone switching. The KP-632/24, like the KP-32 keypanel, combines all of the programmable features of the KP-9X and KP-12 series of keypanels. It adds significant new features such as digital signal processing and binaural headset operation with left/right assignment of audio signals. The KP-632/24 introduces large LCD displays with adjustable backlighting. These new displays allow for a total of 6 characters per key which translates into more naming possibilities.

Features

Large LCD Displays

24 Lever Keys

Enhanced Programming Keypad

Only 90 mm Deep Behind the Front Panel

Digital Signal Processing

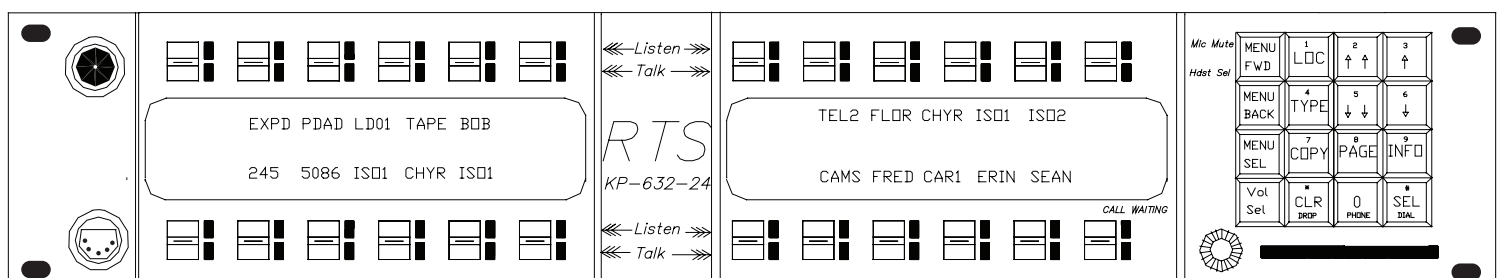
Binaural (4-Pin or 5-Pin) Headset Connector

Upgradable

Optional General Purpose Interface (GPI)/Connector Module Available

Optional EKP-632 Expansion Panel Available

Line Drawing



KP-632/24 Specifications

Microphone Preamplifier

Panel Mic (Electret) Input Level: -42 dB, 150 Ω @ 1 kHz

Headset Mic (Dynamic) Input Level: -50 dBm, 150 Ω @ 1 kHz

Output Level (to matrix): +8 dBu, ± 0.2 dBu

Max Voltage Gain, Mic to Line: 70 dB, ± 2 dB

Frequency Response: 100 Hz to 10 kHz, ± 2 dB

Limiter: 8 dB above nominal

Tone Generator

Output Level (to matrix): +8 dBu ± 2 dBu

Output Frequency: 500 Hz

Headphone Amplifier

Maximum Voltage Gain: 10 dB

Frequency Response: 100 Hz to 10 kHz, ± 2 dB

Headphone Impedance: 8 to 600 Ω

Output Power: 300 mW into 50 Ω

Output Voltage Level: 8 volts peak-to-peak (max.)

Sidetone Range: 25 dB or mute

Speaker Amplifier and Speaker

Maximum Voltage Gain: 25 dB

Frequency Response: 100 Hz to 10 kHz, ± 2 dB

Output Power (per amplifier): 4 watts into 4 Ω

Output Voltage Level: 12 volts peak-to-peak (max.)

Volume Control Range: 52 dB

Speaker Rating: 4 watts max

Intercom Balanced Line Input/Output

Input Level: Nominal: +8 dBu. Peak: ± 20 dBu max.

Input Impedance: 22k Ω

Output Level: +8 dBu, ± 2 dBu nominal

Output Impedance: 60 Ω

External Balanced Line Input: (Program Input)

Input Level +8 dBu nominal

General

AC Supply: External, switching type, 90-230 VAC $\pm 10\%$, 50/60 Hz with locking DIN connector for attachment to the keypanel and universal IEC connector for connection to various AC mains cords

Environmental:

Storage: -40°C to +60°C

Operating: -10°C to +41°C

Dimensions

19" (482.6 mm) W x 3" (76.2 mm) H x 3.5" (90 mm) D

Weight

6.3 lbs (2.85 kg)

Connectors (Other connector options available)

Panel Microphone Connector (Electret)

Type: 3-circuit, 1/4" phone jack w/threaded metal bushing, compatible w/ RTS MCP-90-XX

Pin-out: Tip: Audio+ and DC bias

Ring: Common

Sleeve: Chassis ground

Headset Connector (Dynamic)

Type: XLR-5 female

Pin-out: Pin 1: Mic low; Pin 2: Mic high; Pin 3:

Common; Pin 4: Headphone left high; Pin 5:

Headphone right high

Power Input Connector

Type: 5-pin locking DIN

Pin-out: Pin1: Common; Pin2: Common; Pin3:

+5VDC, 1.50A Max.; Pin4: -15VDC, 0.150A Max;

Pin5: +15VDC, 0.5A Max.

Intercom Connectors: Parallel-wired DB9S and RJ-12

Connectors

Type: DB9S

Pin-out: Pin 1: Data +; Pin 2: Data -; Pin 3: Audio in (from matrix) shield; Pin 4: Audio out (to matrix) (+); Pin 5: Audio out (to matrix) (-); Pin 6: Data shield; Pin 7: Audio in (from matrix) (-); Pin 8: Audio in (from matrix) (+); Pin 9: Audio out (to matrix) shield

Type: RJ-12

Pin-out: Pin 1: Data -; Pin 2: Audio in (from matrix) (+); Pin 3: Audio out (to matrix) (+); Pin 4: Audio out (to matrix) (-); Pin 5: Audio in (from matrix) (-); Pin 6: Data +

Expansion Connector

Type: RJ-45

LCP Connector

Type: RJ-45

Contact Information

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Form Number: 38110-068 RevA

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Ordering Information

KP-632/12

12-position keypanel

Catalog Number: 90007711006

KP-632/24

24-position keypanel

Catalog Number: 90007711004

This specifications information is preliminary and is subject to change without notification.

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