

## KP-612 & KP-412 Keypanels



The RTS KP-612 and KP-412 is a 12 position keypanel available with lever keys. It fits in a standard 19" rack and is one (1) rack space high. In addition, a desktop version is available. There are two (2) encoders. One (1) encoder is used for headset, microphone, auxiliary input, and matrix in volume adjustment. The other encoder knob is used for menu selection.

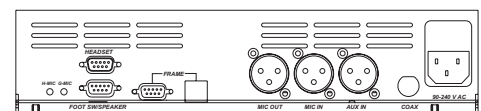
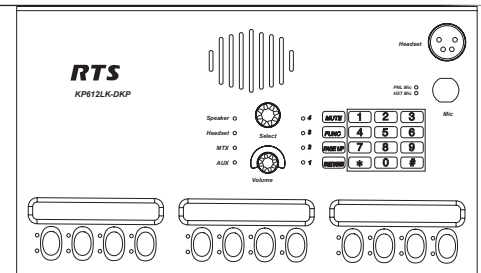
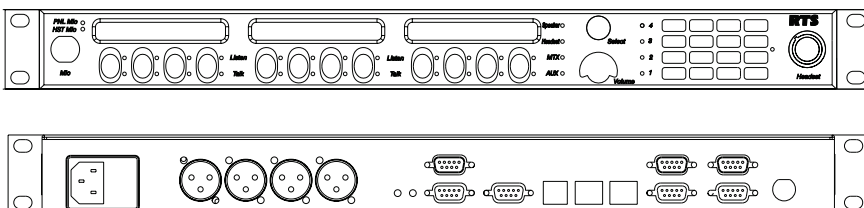
The KP-612 and KP-412 keypanel has a standard numerical keypad with four (4) extra keys: Mic Mute, User Assignable, Page Up, and Page Down. The KP-612 and KP-412 keypanels are made of pressed aluminum/metal and feature state of the art audio processors and drivers. The KP-612 features a six (6) character display, and the KP-412 features a four (4) character display.

Optional RVON cards are available to connect to RTS Voice-Over Network.

## Features

- 12 keys, with 11 keys available for full talk/listen configuration. Keys support both latching (hands-free) and momentary (push-to-talk) operation.
- Full numeric keypad for telephone dialing requirements.
- The back of each keypanel has one (1) DB-9 connector, one (1) RJ-12 connector, and one (1) BNC for the matrix connection.
- On the rack mount model only, there is one (1) RJ-12 connector for expansion panels and one (1) RJ-12 connector for LCP.

## Line Drawing



# Specifications

## Microphone Preamplifier

Electret Mic Input Level @ 1kHz: -42dBu, 150Ω  
 Dynamic Mic Input Level @ 1kHz: -50dBu, 150Ω  
 Output Level (to matrix): +8dBu, ±0.2dBu  
 Max Voltage Gain, Mic to Line: 70dB, ±2dB  
 Frequency Response: 100Hz to 10kHz, ±2dB  
 Limiter: 10dB above (nom.)

## Tone Generator

Output Level (to matrix): +8dBu ±2dBu  
 Output Frequency: 500Hz

## Headphone Amplifier

Maximum Voltage Gain: 200dB  
 Frequency Response: 100Hz to 10kHz, ±2dB  
 Headphone Impedance: 8 to 600Ω  
 Output Power: 1W to 50Ω  
 Output Voltage Level: 8 volts peak-to-peak (max.)  
 Sidetone Range: 25dB

## Speaker Amplifier and Speaker

Frequency Response: 100Hz to 10kHz, ±2dB  
 Output Power (per amplifier): 5 watt into 8Ω  
 Output Voltage Level: 12 volts peak-to-peak (max.)  
 Volume Control Range: 30dB  
 Speaker Rating: 8 watts (max.)

## Intercom Input/Output

Input: Nominal: +8dBu, Peak +20dBu (max.)  
 Output: +8dBu, ±2dBu (nom.)

## External Line Input (Program Input)

Input Level: +8dBu (nom.)

## General

AC Supply: Internal switching type, 100–240VAC, 50/60Hz with universal IEC connector for connection to various AC main cords.

Storage: -40°C to 70°C (-40°F to 158°F)

Operating: -20°C to 60°C (-4°F to 140°F)

Dimensions:

Desktop 11.3" (287.02mm) W x 7.62" (193.62mm) D x 3.1" (78.74mm) H

Rackmount 19" (482.6mm) W x 7.5" (190.5mm) D x 1.75" (44.45mm) H

## Connectors

Panel Microphone Connector

Type: 3-circuit, ¼" phone jack with threaded metal bushing, compatible with RTS MCP-90

Pin Out

Tip : + Audio and DC bias

Ring: Common

Sleeve: Chassis ground

## Headset Connector

Type: XLR-4 female

Pin 1 Mic low

Pin 2 Mic high

Pin 3 Headphone low

Pin 4 Headphone high

# Order Information

KP412 • KP-412 • 12-Position, 4-Character Keypanel  
 DKP412 • DKP-412 • 4-Character Desktop Keypanel  
 KP612 • KP-612 • 12-Position, 6-Character Keypanel  
 DKP612 • DKP-612 • 2-Position, 4-Character Desktop Keypanel

The specification information is preliminary and is subject to change without notification.  
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