

KP-812

Keypanel Desktop and Rackmount



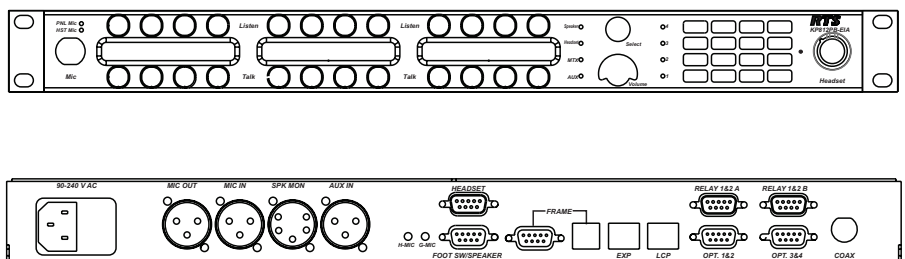
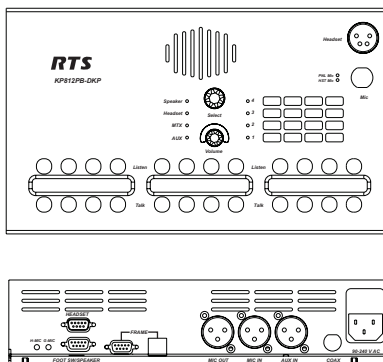
The RTS KP-812 keypanel fits in a standard 19" rack and is one (1) **RU** (Rack Unit) high. It has 12 keys (one (1) listen button and one (1) talk button make up a key): 10 keys are for intercom talk and listen, two (2) keys are for call waiting response. There are two (2) encoders. One (1) encoder is used for headset, microphone, auxiliary input, and matrix in volume adjustment. The other encoder knob is used for menu selection. The KP-812 keypanel has a standard numerical keypad with four (4) extra keys: Mic Mute, User Assignable, Page Up, and Page Down.

KP-812 keypanels offers a custom design LCD display with support for 16x16 KP-812 Katakana, Hiragana, and English characters. The KP-812 keypanels are made of pressed aluminum/metal and feature state of the art audio processors and drivers. There are two (2) different models of keypanel to choose between—desktop and rackmount.

Features

- 12 keys, with 10 keys available for full talk/listen configuration.
- The 11th and 12th display positions are used as **CWW** (Call Waiting Windows). The user has three (3) assignable option from the menu:
 1. No CWW
 2. One (1) CWW (12th key only)
 3. Two (2) CWW (11th and 12th key)
- The LCD display is custom designed to show 16x16 size Japanese or KP-812 characters. Each LCD shows two (2) rows of 16 characters. Each display area shows eight (8) character alphabets per key (talk/listen).
- Firmware is downloaded through the AZedit application to the keypanels.
- The KP-812 keypanel can be used as a digital keypanel or as an analog keypanel.
- The KP-812 keypanel can be used in remote applications. The front panel can be mounted separately and connected to the keypanel using up to a maximum of 50 feet of cable.
- **DSP** (Digital Signal Processing) improves microphone voice activation and limiting. Adds new mixing, metering, and filtering capabilities.

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

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
Volume Control Range 30dB
Speaker Rating 8 watts (max.)

Intercom Input/Output

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

3.1" H x 11.3" W x 7.623" D
(78.74mm H x 287.02mm W x 193.624mm D)

Rackmount

1.75" H x 19" W x 7.5" D
(44.45mm H x 482.60mm W x 190.5mm D)

Approvals UL, CSA, VDE, CE

Connectors

Panel Mic Connector Type: 3-circuit, 1/4" phone jack with threaded metal bushing, compatible with RTS MCP-90 microphone

Pin Out

Tip: +Audio an DC bias

Ring: Common

Sleeve Chassis Ground

Headset Connector

Type: XLR-4 Female

Intercom Connectors: Parallel-wired DE9S and RJ-12 Connectors

Type: DE-9S

Type: RJ-12

Expansion Connector

Type: RJ-45

LCP Connector

Type: RJ-45

GPI Module Connectors (Optional)

Speaker/Monitor Output

Type: 5-pin XLR Male

Aux 1 In (Auxiliary Program Input

3-pin XLR Female

Balance Input, +8dBu (nom.)

Relay 1–4 Output

Type: 9-pin male, D-sub

Opto 1–2 (J11) & Opto 3–4 (J12)

In (Opto-isolated control inputs)/OC 1-2

Type: 9-pin male, D-sub

Headset (External headset connector)

Type: 9-pin male, D-sub

Foot Switch/Speaker

Type: 9-pin male, D-sub

MIC In (J7) Unbalanced Panel

Microphone Input

Type: 3-pin XLR Female

MIC Out (J8) Balanced Microphone

Output

Type: 3-pin XLR Male

Note: Only one (1) Matrix connection can be used at a time.

Order Information

KP812 PB-DKP • KP-812 • Desktop push button without handset

KP812 PB-EIA Gray • KP-812 • Rackmount 12 key push button user station

The specification information is preliminary and is subject to change without notification.
Brand names mentioned are the property of their respective companies.