

## KP 12 CLD 12-Position Color Display Keypanel

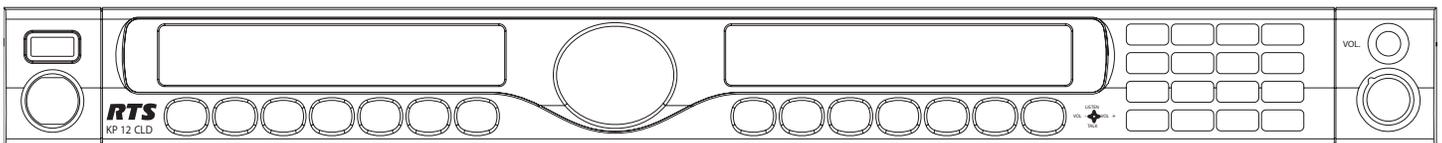


The KP 12 CLD intuitive graphic interface is housed inside two (2) full-color 4.2" LCD displays. The front panel also features conveniences such as a user-programmable buttons, one-touch listen volume adjustment on each of the 14 multifunction keys, and a backlit keypad. Like all RTS products, the KP 12 CLD is designed with expansion in mind. The front-mounted USB port and modular rear panel allow for future upgrades that will keep the KP 12 CLD on the forefront of technology for years to come.

## Features

- Full-color LCD displays host a rich and intuitive graphic user interface that allows to indicate different keypanel functions in different colors.
- Flat front panel is ergonomically designed to fit easily into any control room or truck application. The back panel is optimized for future expansion.
- 14 multi-directional keys, 12 used for talk, listen, and emulation of traditional level control function.
- Designed to allow for an expansion panel and optional connections to the matrix through current and future standard transmission formats.
- KP 12 CLD allows up to three (3) auxiliary inputs, independent digital gain control for microphone sources, configurable audio routing and much more through an option board
- DSP processing acoustic echo cancellation, equalization, mixing, filtering, and metering
- USB for future expansion and other planned interface features.
- A user-programmable button (UPG-1) provides custom shortcuts to menu functions.
- The GPI expansion unit provides additional connectors for relay, headset, footswitch/speaker, mic in/out, auxiliary, and other functions.

## Line Drawing



100-240 VAC ~ 50/60 Hz



# Specifications

## LCD Display

Size: 4.2" LCD  
Resolution: 432 x 96 (RGB)

## Input Sources

Panel Microphone/GPIO MIC IN  
Electric Microphone Input Level  
Nominal Level: -42.5dBu  
Maximum Level: -22.5dBu  
Impedance: 1 to 10kΩ

## Headset

Dynamic Microphone Input Level  
Nominal Level: -60dBu  
Maximum Level: -40dBu  
Impedance: ≤600Ω  
Electric Microphone Input Level  
Nominal Level: -45dBu  
Maximum Level: -25dBu  
Impedance: 1 to 10kΩ

## Keypanel Input

Nominal Input Level: 8dBu  
Maximum Input Level: 20dBu

## Auxiliary Input

Nominal Input Level: 8dBu  
Maximum Input Level: 20dBu

## Output

### Keypanel Output

Nominal Output Levels: 8dBu  
Maximum Output Level: 20dBu  
Frequency Response:  
100–15kHz ±2dB

### Headphone Speaker

Power: 80mW into 600Ω  
Impedance: ≥150Ω

### Panel Speaker

Frequency Response:  
250–15kHz ±2dB  
Sensitivity, W/dB: 84  
Power: 4W, 8Ω

### Tone Generator

Output Level: 8dBu  
Output Frequency: 500Hz or 1kHz

## MIC OUT (expansion panel)

Nominal Output Level: 8dBu  
Maximum Output Level: 20dBu  
Frequency Response:  
100–15kHz ±2dB

## Connectors

Panel Microphone: ¼" Jack  
Panel Headset: 4- or 5-pin Female XLR  
USB: USB Type A  
Keypanel Audio Input/Output:  
DB-9, RJ-45 (Supports RTS RJ-12 cabling or  
standard CAT-5 cabling)

Expansion: RJ-45  
GPIO MIC OUT: Male XLR-3  
GPIO MIC IN: Female XLR-3  
GPIO Aux 1–2: Female XLR-3  
GPIO Aux 3: DB-9  
GPIO Headset: DB-9  
GPIO Relays: 1–3 DB-9  
GPIO Open Collector: DB-9  
GPIO Opto-Isolators 1–4: DB-9

## General

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

### Dimensions:

KP 12 CLD:  
19" L x 1.74" H x 4.28" D  
(482.6mm x 44.2mm x 108.71mm)  
GPIO Expansion Unit:  
15.25" L x 1.72" H x 3.5" D  
(387.35mm x 43.69mm x 88.9mm)

### Weight:

KP 12 CLD (keypanel only): 3.76lbs (1.705kg)  
GPIO Expansion Unit only: 2.46lbs (1.115kg)  
Power Consumption:

	No option card	GPIO option only	RVON option only	GPIO & RVON
@120VAC	24VA	52VA	30VA	58VA
@220VAC	43VA	82VA	47VA	86VA

# Order Information

90007880001 • KP 12 CLD • 12-Position Color Display Keypanel-USA  
90007880101 • KP 12 CLD • 12-Position Color Display Keypanel-EURO  
90007880201 • KP 12 CLD • 12-Position Color Display Keypanel-UK

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