

## KP 32 CLD

### Color Display Keypanel

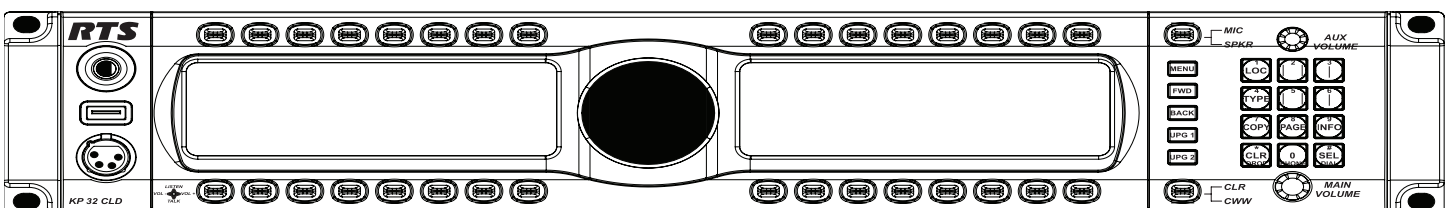


The revolutionary KP 32 CLD from RTS introduces several new features designed to enhance capability and ease of use. The intuitive graphic interface is housed inside two (2) full-color 4.9" TFT displays. The front panel also features conveniences such as two (2) user-programmable buttons, one-touch listen volume adjustment on each of the 32 new multifunction user keys, and a backlit keypad. In addition, the KP 32 CLD can be ordered with the more intuitive CLD key sequences or the Classic key sequences. Like all RTS products, the KP 32 CLD is designed with expansion in mind. The front-mounted USB port and modular rear panel allow for future upgrades that keeps the KP 32 CLD on the forefront of technology for years to come.

## Features

- The color display hosts a rich and intuitive graphic user interface indicating 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.
- 32, multi-directional keys 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 transmission formats.
- KP 32 CLD allows up to six (6) auxiliary inputs, three (3) relays, 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.
- Two (2) user-programmable buttons (UPG-1, -2) provide custom shortcuts to menu functions.
- The rear connector kit option provides additional connectors for relay, headset, footswitch/speaker, mic in/out, auxiliary, and other functions.

## Line Drawing



# Specifications

## LCD Display

Size: 4.9" TFT  
Resolution: 320 x 96 (RGB)

## Input Sources

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

### Headset

Dynamic Microphone Input Level  
Nominal Level: -60dBu  
Maximum Level: -40dBu  
Impedance:  $\leq 600\Omega$

Electric Microphone Input Level  
Nominal Level: -45dBu  
Maximum Level: -25dBu  
Impedance: 1k to 10k  $\Omega$

### Keypanel Input

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

### Auxiliary Input

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

## Output Sources

Keypanel Output  
Nominal Input Levels: 8dBu  
Maximum Input Level: 20dBu  
Frequency Response: 100–15 kHz  $\pm 2$ dB

### MIC OUT

Nominal Input Level: 8dBu  
Maximum Input Level: 20dBu  
Frequency Response: 100–15kHz  $\pm 2$ dB

### Headphone Speaker

Power: 80mW into 600 $\Omega$   
Impedance:  $\geq 8\Omega$

## Panel Speaker

Frequency Response:  
100–15kHz  $\pm 2$ dB  
Sensitivity, W/dB: 84  
Power: 4W, 8 $\Omega$

## Tone Generator

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

## Connectors

Panel Microphone: 1/4" 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 3–6: DB-15  
GPIO Headset: DB-9  
GPIO Relays: 1–3 DB-9  
GPIO Open Collector: DB-9  
GPIO Opto-Isolators 1–4: DB-9

## General

Dimensions:  
19" L x 3.47" H x 3 1/4" D  
(482.6mm x 88.138mm x 82.55mm)  
Weight:  
6.00lbs (2.72kg) (no option cards installed)  
6.32lbs (2.86kg) (GPIO option card installed)  
Power Consumption:

	No option card	GPIO option only	RVON option only	GPIO & RVON
@120VAC	40VA	63VA	69VA	46VA
@220VAC	51VA	85VA	58VA	88VA

# Order Information

## KP 32 CLD

Color Display Keypanel with CLD Key Sequences  
KP32CLD-LK4F-USA • US Power Cord, A4f, & Classic Key Sequences  
90007858101 • Euro Power Cord, A4f, & Classic Key Sequences  
90007858200 • UK Power Cord, A4f, & Classic Key Sequences  
KP32C-LK4FCLSQU • US Power Cord, A4f, & CLD Key Sequences  
90007858101 • Euro Power Cord, A4f, & CLD Key Sequences  
90007858201 • UK Power Cord, A4f, & CLD Key Sequences

KP32CLD-LK5F-USA • US Power Cord, A5f, & Classic Key Sequences  
KP32C-LK5FCLSKE • Euro Power Cord, A5f, & Classic Key Sequences  
90007858203 • UK Power Cord, A5f, & Classic Key Sequences  
KP32C-LK5FCLSQU • US Power Cord, A5f, & CLD Key Sequences  
KP32CLD-LK5F0EURO • Euro Power Cord, A5f, & CLD Key Sequences  
90007858203 • UK Power Cord, A5f, & CLD Key Sequences

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