

## RP-1000 Series Color Display Keypanel

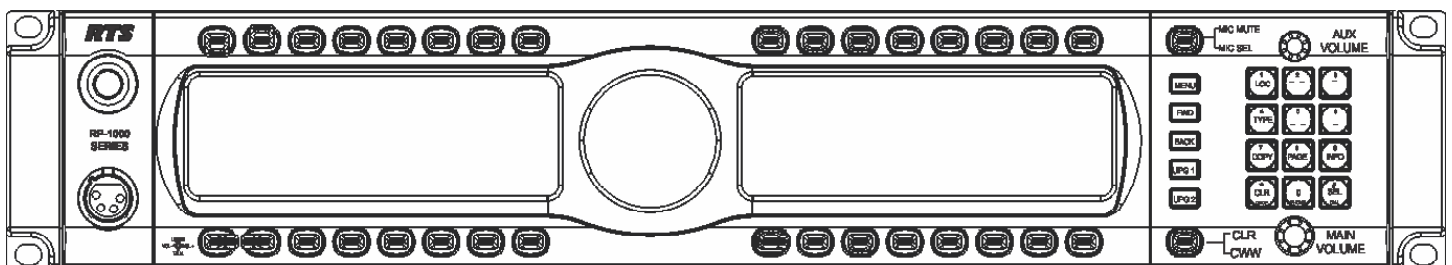


The RP-1000 series keypanel from RTS is designed to enhance capability and ease of use. The intuitive graphical interface is housed inside two (2) full-color 5.1" TFT displays. The front panel also features conveniences such as two (2) user-programmable buttons, one-touch listen volume adjustment on each of the 32 multifunction user keys, and a backlit keypad. In addition, the RP-1000 can be ordered with the more intuitive Standard key sequences or the Classic key sequences. Like all RTS products, the RP-1000 series keypanel is designed with expansion in mind.

## Features

- The color display hosts a rich and intuitive graphical user interface indicating different keypanel functions in different colors.
- The 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 level control function.
- Designed to allow for an expansion panel and optional connections to the matrix through current and future transmission formats.
- RP-1000 series 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
- Works with both the RP-1932 expansion panel as well as the EKP 32 CLD legacy expansion panel.
- 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: 5.1" TFT  
Resolution: 576 x 172 (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  
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	OKI Option	OKI & GPIO
@120VAC	33VA	53VA	37VA	58VA	38VA	59VA
@220VAC	50VA	63VA	46VA	71VA	47VA	72VA

# Order Information

## RP-1000 Series

RP1032 • RP 1032 A5F CLASSIC  
RP1032RC • RP1032 A5F RC CLASSIC  
RP1032RV • RP 1032 A5F RV CLASSIC  
RP1032RCRV • RP 1032 A5F RC RV CLASSIC  
RP1032RCO • RP 1032 A5F RC OKI CLASSIC  
RP1032O • RP 1032 A5F OKI CLASSIC  
RP1132 • RP 1132 A5F STANDARD  
RP1132RC • RP1132 A5F RC STANDARD  
RP1132RV • RP 1132 A5F RV STANDARD  
RP1132RCRV • RP 1132 A5F RC RV STANDARD  
RP1132RCO • RP 1132 A5F RC OKI STANDARD  
RP1132O • RP 1132 A5F OKI STANDARD

RP1232 • RP 1232 A4F CLASSIC  
RP1232RC • RP1232 A4F RC CLASSIC  
RP1232RV • RP 1232 A4F RV CLASSIC  
RP1232RCRV • RP 1232 A4F RC RV CLASSIC  
RP1232RCO • RP 1232 A4F RC OKI CLASSIC  
RP1232O • RP 1232 A4F OKI CLASSIC  
RP1332 • RP 1232 A4F STANDARD  
RP1332RC • RP1232 A4F RC STANDARD  
RP1332RV • RP 1232 A4F RV STANDARD  
RP1332RCRV • RP 1232 A4F RC RV STANDARD  
RP1332RCO • RP 1232 A4F RC OKI STANDARD  
RP1332O • RP 1232 A4F OKI STANDARD  
RP1932E • RP 1032 EXPANSION PANEL

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