

KP-5032PB

Push Button OMNEO-Capable Color Display Keypanel



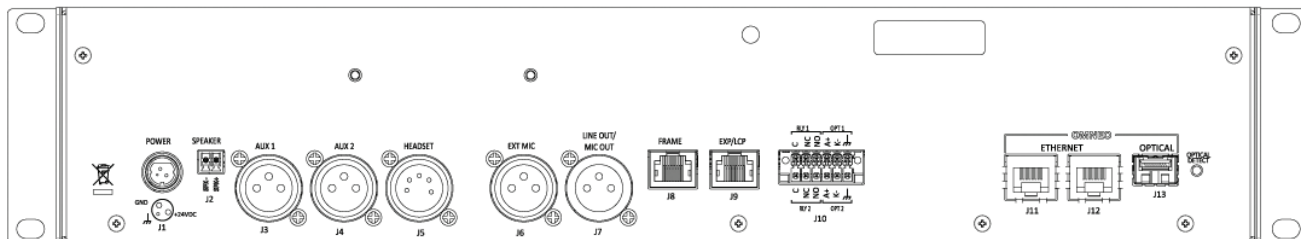
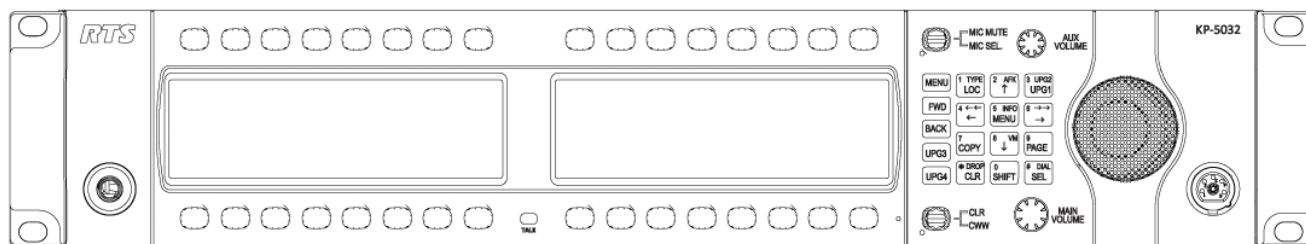
The KP-5032 push button keypanel delivers superior high-quality digital audio using the Bosch-branded OMNEO technology with Dante™ by Audinate audio over IP via either copper or fiber. The KP-5032 delivers top-notch audio, free of noise and other artifacts present in older technology. This family of keypanels includes a rich set of connectors as standard, including GPIO and RC.

The KP-5032 push-button keypanel utilizes the latest generation of wide angle TFT displays providing superior clarity, resolution, and longer display life, delivering high-quality readability under a variety of lighting conditions.

Features

- Backward compatible with older technologies such as analog audio in USOC and 568-B connector formats
- All previous options hardware connectors (RC, GPI, and ancillary items) are now standard
- New wide-angle high-definition display
- Enhanced navigation menus optimized for ease of use

Line Drawing



Specifications

LCD Display:

Active Area: 120.10mm (wide) x 35.86mm (high)
 Dot Resolution: 576 x 172 pixels
 Color Resolution 16-bit (64K)RGB color
 View Angle: 80 degrees (typical; all directions)

Power Supply:

Type: External DC
 AC Input: 100–240VAC 50/60Hz

General Purpose Inputs and Outputs:

Outputs

Type (relays) SPDT
 Contact Rating 1AMP @ 30VDC

Inputs

Type Optically Coupled
 Input Voltage 5-18 VDC on A+
 ♦A+ is internally pulled to 5VDC. Connect K- to  to activate. ♦

Inputs:

Matrix

Type Balanced
 Typical Input Level +8dBu
 Typical Input Impedance >10kΩ
 Maximum Input Level +20dBu
 Supported Bandwidth 100Hz to 20KHz

Aux 1 and Aux 2

Type Balanced
 Typical Input Level +8dBu
 Typical Input Impedance >10 k Ω

Front Panel Mic

Type Electret
 Typical Input Level -42dBu
 Typical Input Impedance 1kΩ
 Maximum Input Level -25dBu

Rear Panel Mic

Type Electret
 Typical Input Level -42dBu
 Typical Input Impedance 1kΩ
 Maximum Input Level -25dBu

Front and Rear Headset Mic - Electret

Typical Input Level -42dBu
 Typical Input Impedance 1kΩ
 Maximum Input Level -25dBu

Front and Rear Headset Mic - Dynamic

Typical Input Level -50dBu
 Typical Input Impedance 600Ω
 Maximum Input Level -25dBu

Outputs:

Matrix

Type Balanced
 Typical Output Level +8dBu
 THD+N% <0.20%
 Typical Output Impedance 600Ω
 Maximum Output Level +20dBu
 Frequency Response 100Hz to 20KHz

MIC/LINE Out

Type Balanced
 Typical Output Level +8dBu
 THD+N% <0.20%
 Typical Output Impedance 600Ω
 Maximum Output Level +20dBu
 Frequency Response 100Hz to 20KHz

Headset - Front, Rear, Left, Right

Maximum Output Power 125mW for 32Ω load
 Earphone Impedance 16Ω and above
 THD+N% <0.20%
 Frequency Response 100Hz to 20KHz

Speaker - Rear

Maximum Output Power 5W for 8Ω load
 Speaker Impedance 4Ω and 8Ω
 THD+N% <0.20%
 Frequency Response 100Hz to 20KHz

Speaker - Front

SPL 84dB SPL for 1kHz sine wave @ 1 meter

Digital:

OMNEO Channels

Typical OMNEO Latency 1ms
 Frequency Response 20Hz - 20KHz

Environmental:

Dimensions

17.39" W(without rack ears) x 3.46" H x 3.88" D
 (441.82mm x 87.96mm x 98.5mm
 [111.11mm including volume knobs and lever keys])

Weight

KP-5032 4.89lb (2.22kg)
 Power Supply 0.53lb (.24kg)
 Power Supply
 Mounting Bracket 0.30lbs (.14kg)

Temperature

Operating 0° C to 55° C (32°F to 131°F)
 Storage -20° C to 70° C (-4°F to 158°F)

Power Consumption:

Nominal 13 Watts
 Maximum 18 Watts
 Maximum Volt Amp 48 VA

Certification:

CE Compliance

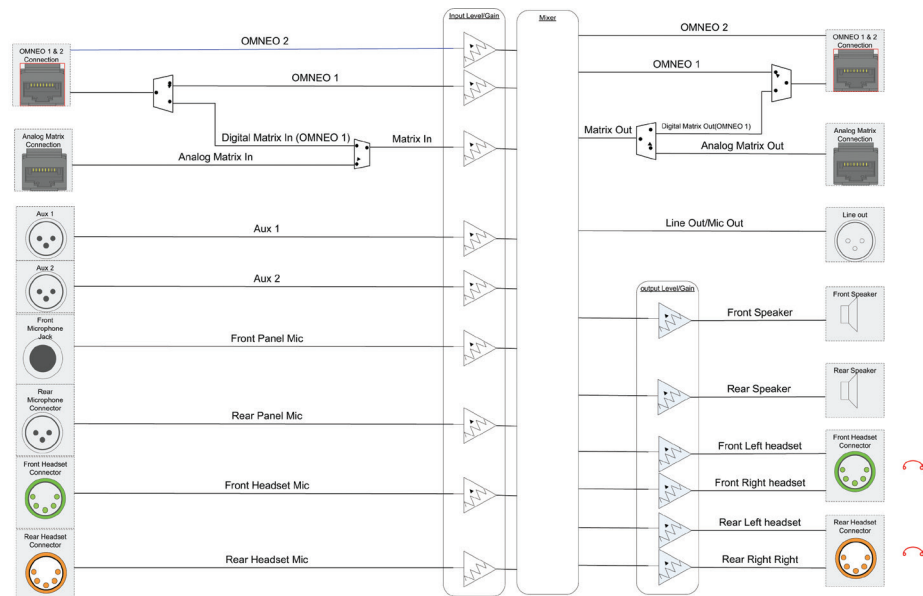
EMC
 EN55022 Class A
 VCCI Class A
 ICES-003
 FCC Part 15 Subpart B Class A
 AS/NZS CISPR22 Class A
 Korean KN 22
 EN 55024
 Korean KN 61000-4
 BSMI Class B

Safety

UL 60950-4
 EN60950-1
 CB Report
 PSE

Order Information

Order No.	Description
KP5032PB4F	KP-5032PB A4F
KP5032PB4F AC	KP-5032PB A4F Option A+C
KP5032PB5F	KP-5032PB A5F
KP5032PB5F AC	KP-5032PB A5F Option A+C
EKP4016PB	EKP-4016PB



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