

KP-3016 and KP-3016A Color Display Keypanel

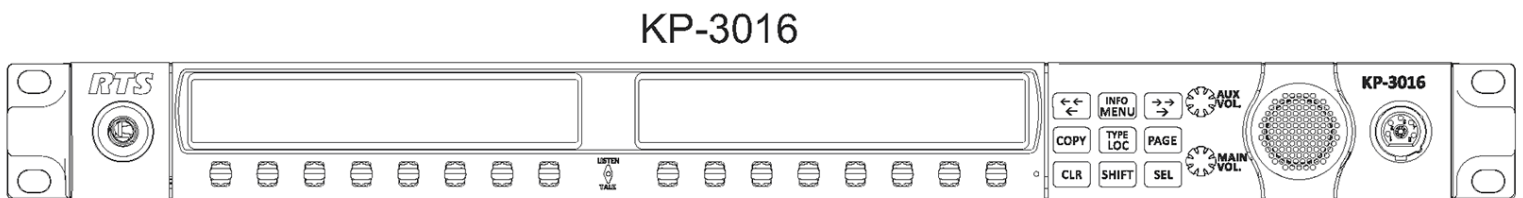


Part of the KP-Series keypanel family, the KP-3016 provides the same superior digital audio as the flagship KP-4016 model by using OMNEO media networking technology (developed by RTS parent company Bosch and incorporating Dante™ high-quality audio over IP) as well as analog technology. For the analog-only users, the KP-3016A is available. Both versions deliver top-notch sound quality, free of noise, delay, and other artifacts present in older technology.

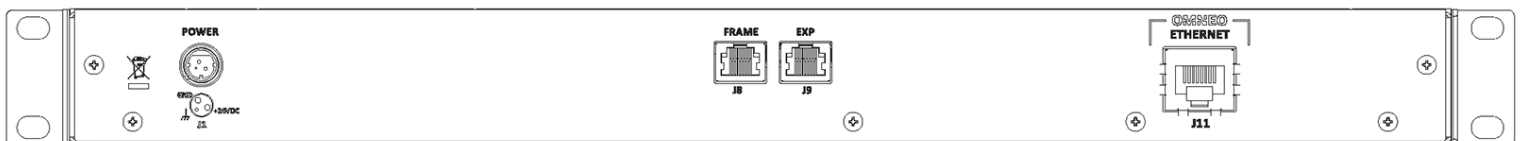
Features

- Wide viewing angle color screen
- Ergonomic levers for talk/listen
- Full support for OMNEO - KP-3016 Only
- Support for 4-wire analog connection
- Expansion panel option available (compatible with the EKP-3016 only)
- Built-in speaker
- Microphone input for dynamic or electret mics
- User-replaceable XLR heads connector - 4- or 5-pin available

Line Drawing



Front Panel View



Rear Panel View

*** J11 not included on the KP-3016A Keypanel

Specifications

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LCD Display:

Active Area: 120.10mm (wide) x 18.77mm (high)
 Dot Resolution: 576 x 90 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

Inputs:

Matrix

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

Panel Mic

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

Headset Mic - Electret

Typical Input Level -42dBu
 Typical Input Impedance 1k Ω
 Maximum Input Level -25dBu

Headset Mic - Dynamic

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

Outputs:

Matrix

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

Headset

Maximum
 Output Power 125mW for 32 Ω load

Earphone Impedance 16 Ω and above
 THD+N% <0.20%
 Frequency Response 100Hz to 20KHz

Speaker

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

Digital:

OMNEO Channels

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

RVON

Compression	Bit Rate	Coding Delay	Playout Delay	Bandwidth	Sample Rate
G.711	64 kbps	125 μ s	20-60 ms	160-224 kbps	8 k
G.729AB	8 kbps	10 μ s	20-120 ms	32-112 kbps	8 k
G.722	64 kbps	4 μ s	20-60 ms	160-224 kbps	16k

* Data rate depends codec selection

Note: The Playout Delay and Bandwidth depend on the configured amount of audio per packet.

Environmental:

Dimensions

17.39" W(without rack ears) x 1.72" H x 3.84" D [4.33" including volume knobs and lever keys]
 (441.82mm x 43.8mm x 97.54mm
 [109.99mm including volume knobs and lever keys])

Weight

KP-3016 3.35 lb (1.52 kg)
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 Power Supply 0.53lb (.24kg)
 Power Supply Mounting Bracket 0.30lbs (.14kg)

Temperature

Operating 0 $^{\circ}$ C to 55 $^{\circ}$ C (32 $^{\circ}$ F to 131 $^{\circ}$ F)
 Storage -20 $^{\circ}$ C to 70 $^{\circ}$ C (-4 $^{\circ}$ F to 158 $^{\circ}$ F)

Power Consumption:

KP-3016

Nominal 11 Watts
 Maximum 13 Watts
 Maximum Volt Amp 36 VA

KP-3016A

Nominal 8 Watts
 Maximum 10 Watts
 Maximum Volt Amp 36 VA

Certification:

CE Compliant

UL Certified

PSE Compliant

Order Information

KP-3016 • KP3016 Keypanel 1 RU A5F 16 Keys

KP-3016A • KP3016A Keypanel 1 RU A5F 16 Keys Analog

KP-3016 • KP3016 A4F

KP3016A • KP3016A A4F

EKP-3016 • EKP 3016 EXPANSION PANEL

KP_OEI_PS_BRK • KP-OIE2 POWER SUPPLY BRACKET (USE WITH GlobTEK TR9CI2500MLDI3O-N(RVB))

KP PS BRK LEV VI • KP PWR SUPPLY MNT BRKT LVL 6 (USE WITH GlobTEK TR9CI2500ML3-CIM(R6B))

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

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