

DKP-4016/DKP-4016W

OMNEO-Capable Color Display Desktop / Wall Mount Keypanel

The DKP-4016 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 DKP-4016 delivers top-notch audio, free of noise, delay, and other artifacts present in older technology. This family of keypanels includes a rich set of connectors as standard, including GPIO and RC. As with other RTS products, emphasis has been placed on backward compatibility with previous generations of matrices including analog technology.

Also available is the DKP-4016W wall mount keypanel version.

The DKP-4016 keypanel utilizes the latest generation of wide angle TFT displays providing superior clarity and resolution, delivering high-quality readability under a variety of lighting conditions.



Desktop Unit

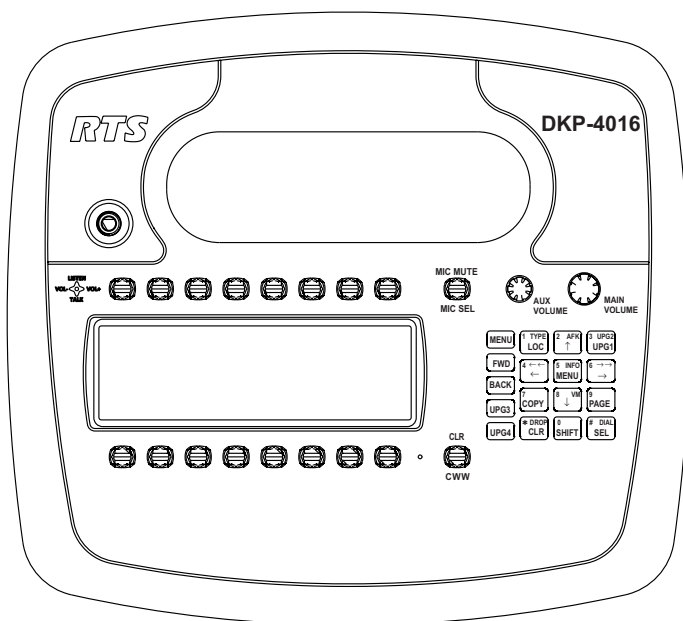


Wall-Mount Unit

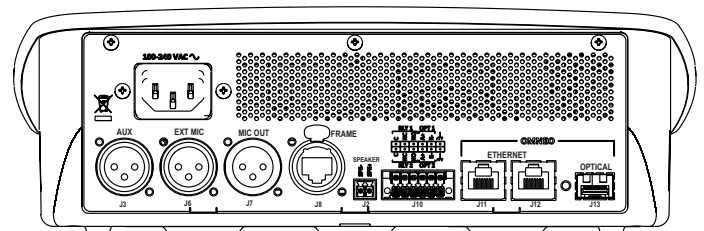
Features

- 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



Front Panel View



Rear Panel View

Specifications

LCD Display:

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

Power Supply:

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

General Purpose Inputs and Outputs:

Outputs

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

Inputs

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

Inputs:

Matrix

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

Aux

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

Front Panel Mic

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

Rear Panel Mic

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

Left and Right Headset Mic - Electret

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

Front and Rear Headset Mic - Dynamic

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

Outputs:

Matrix

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

MIC/LINE Out

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

Headset - Left and Right

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

Speaker - Rear

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

Digital:

OMNEO Channels

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

Environmental:

Dimensions

3.60 in. H x 10.63 in. W x 9.35 in. D
(91.5 mm H x 270.1 mm W x 237.6 mm D)

Weight

Weight 3.70lb (1.68kg)

Temperature

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

Power Consumption:

Nominal 25 Watts
Maximum 39 Watts
Maximum Volt Amp 63 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

DKP4016 •DKP-4016 Desktop Keypanel

DKP4016W •DKP-4016W Wall Mount Keypanel

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

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