



1200 SERIES DESKTOP SMARTPANEL®

DSP-1216HL

The DSP-1216HL is the latest addition to Riedel's 1200 Series SmartPanels, delivering powerful intercom, audio monitoring and control panel capabilities in a compact desktop form factor. Designed for professionals in broadcast, live events, theaters, OB vans, and sports venues, this multifunctional panel offers maximum flexibility while saving valuable space. Engineered with user comfort and efficiency in mind, the DSP-1216HL eliminates the need for rack-mounted panels adapted for desktop use. It delivers best-in-class usability with hybrid lever keys, high-resolution touchscreens, and an integrated 2.1 speaker system – all in a sleek, space-saving design.

Much like a smartphone, a SmartPanel allows users to adapt its functionality to their workflows by leveraging various software apps instead of multiple single-purpose panels. The Desktop SmartPanel supports the full suite of 1200 Series SmartPanel apps, including the Intercom App, the Control Panel App, the Audio Monitoring App, the Linear Timecode App, and the Commentary Control App. Users can run multiple apps in parallel, maximizing workflow efficiency and reducing hardware requirements.

The DSP-1216HL features 16 innovative hybrid lever keys with integrated rotary encoders for precise control over variable parameters in the same location as the key itself. LED rings around each key allow for easy grouping or signalization based on color, streamlining operation. Two high-resolution, full-color multitouch displays provide exceptional visibility across various lighting conditions. For added flexibility, user-definable Key Banks enable access to multiple layers of keys while dedicated rotary encoders make adjusting the main and sidetone volume, muting the panel or navigating the menu a breeze.

The panel's high-quality 2.1 speaker system enhances intercom workflows with crystal-clear intelligibility in headset-free scenarios while also serving as a reliable audio monitoring solution. And with its space-saving footprint and VESA mounting option, the DSP-1216HL offers unmatched versatility, making it the ideal choice for professionals who demand efficiency, functionality, and superior performance.

Key Features & Benefits

- Space-saving design with improved ergonomics for desktop use
- Leverage various apps for multifunctionality: Intercom App, Control Panel App, Audio Monitoring App, Commentary Control App, Linear Timecode App
- 16 Hybrid Lever Keys for intuitive Talk-Mute and Talk-Listen workflows
- Full-color, sunlight-readable touch displays
- Integrated 2.1 Speaker System delivers high-quality audio in headset-free operation
- Seamless integration with Artist ecosystem via AES67 (SMPTE 2110-30) & AES3 connectivity
- VESA mounting option enables a floating setup for even greater flexibility



Commentary Control App with Commentary Headset Adapter providing 2 × XLR-3F and 6.35 mm stereo jack connectivity

Power meets Ergonomics

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DSP-1216HL



Front view

- 1 Microphone Connector & Status LED
- 2 Multi-touch Color Key-Display
- 3 Panel Microphone
- 4 Multi-touch Color Info-Display
- 5 DSP-controlled Speaker (right)
- 6 Light Sensor
- 7 DSP-controlled Speaker (left)
- 8 Hybrid Lever Keys with Rotary Encoder & LED Key rings
- 9 NFC / Bluetooth Connection
- 10 Grey Rotary Encoder (Sidetone Control & Menu Navigation)
- 11 Red Rotary Encoder (Volume Control)



Back View

- 12 Fan (temperature controlled)
- 13 Ethernet Media Ports (EtherCON, AES67/Ethernet) & Status LEDs
- 14 MicroSD-Card Slot
- 15 DSP-controlled Speaker
- 16 Artist Matrix Connector (BNC/RJ45, AES3)
- 17 USB-C Connector
- 18 Management Connector (RJ45)
- 19 Mains Power Connector (IEC)
- 20 GPI Input/Output Connectors (D-Sub)
- 21 Analog Audio Input/Output Connectors (XLR3)
- 22 SFP Slots (AES67/Ethernet)
- 23 Headset Connectors
- 24 DisplayPort (future use)

SMARTPANEL APPS

Riedel's ecosystem of SmartPanel apps ensures that your operations remain agile and future-ready. As new applications and updates become available, your SmartPanel can evolve to

meet emerging demands, safeguarding your investment and maintaining cutting-edge performance. This way, your operations always stay efficient, flexible, and ahead of the curve.

■ Intercom App

The Intercom App supports two workflows: "Talk/Listen" and "Talk/Mute", depending on requirements. Logical Groups allow choosing custom colors for the keys or LED rings. Each key label has an 8-character main label, a 16-character sub label, and user-defined icons. Other icons provide information about the state of each key at any time. Key Banks further enhance operational efficiency with clear organization of communication channels.

■ Control Panel App

The Control Panel App is simple yet powerful: It transforms the DSP-1216HL into a versatile interface for third-party control, monitoring, and automation systems. Leveraging the NMOS IS-05/06/07 standards, this app allows users to trigger actions in third-party systems with the panel's keys and rotaries and get visual feedback on configuration status and changes via colors, labels, and symbols on its touchscreens and LEDs.

■ Audio Monitoring App

The Audio Monitoring App enables users to monitor up to 16 audio sources simultaneously with high fidelity, supporting both mono and stereo formats, while 256 sources can be pre-configured and managed directly on the panel. Features include individual source volume control, mute/unmute functions, and solo capabilities. Integration with third-party control systems via RestAPI or NMOS IS-08 allows for dynamic monitoring configuration.

■ Commentary Control App

The Commentary Control App is a new application that turns Riedel's powerful Desktop SmartPanel into a fully featured commentary panel. Supporting one or two commentators, it offers an intuitive user interface tailored for commentators, full remote control and monitoring, as well as integration with the Artist-1024 intercom ecosystem – streamlining the technical challenges of live commentary workflows for both talents and engineers.

■ Linear Timecode App

The Linear Timecode App provides a simple way to display LTC and NTP timecodes directly on Riedel SmartPanels. Moreover, it supports parallel operations with apps like Intercom, AMA, and CPA, ensuring precise workplace synchronization. Configuration and live view are available via WebUI, with selectable display colors and adjustable time offset for optimal readability.