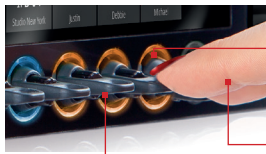




RSP-1232HL
1200 SERIES SMARTPANEL

Unique new key design: The Hybrid Lever Key

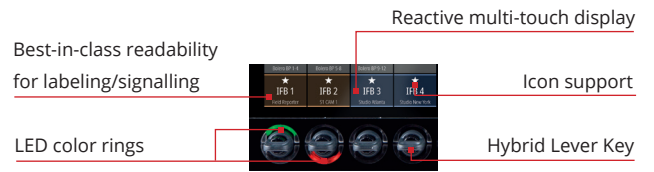


Combines lever and rotary into one single key: control countless parameters with one key

Comfortably rest your fingers on the rotary, always ready to talk

LED ring allows for easy grouping of keys based on colors

Full color, high-resolution, sunlight readable touch screen



Info Display & Key Banks

- No mixing of “operating mode” and “menu mode”
- Stay fully operational (i.e. you do not lose access to your intercom keys) when accessing additional settings or menus
- Find additional information and navigation for your current working context (e.g. key banks)



- Create one page with all relevant keys for your morning show production
- Quickly change to all relevant keys for your evening show production with just one tap
- Users can still see status messages (open mics, incoming calls, and other) from key banks which are currently not visible

Logical Groups

Quickly identify the teams / team members you need to talk to

- Flexibly choose between 16 individual group colors and assign them to either the key label or the LED color ring
- Create a simple way to show relationships between keys



Assign group colors to the LED rings or on the key labels

Control Panel App

API based on open NMOS standards:

Discover via IS-04, connect via IS-05, transport via IS-07



Trigger actions in 3rd party control, monitoring and automation systems

Get visual feedback on configuration status and changes

Audio Monitoring App

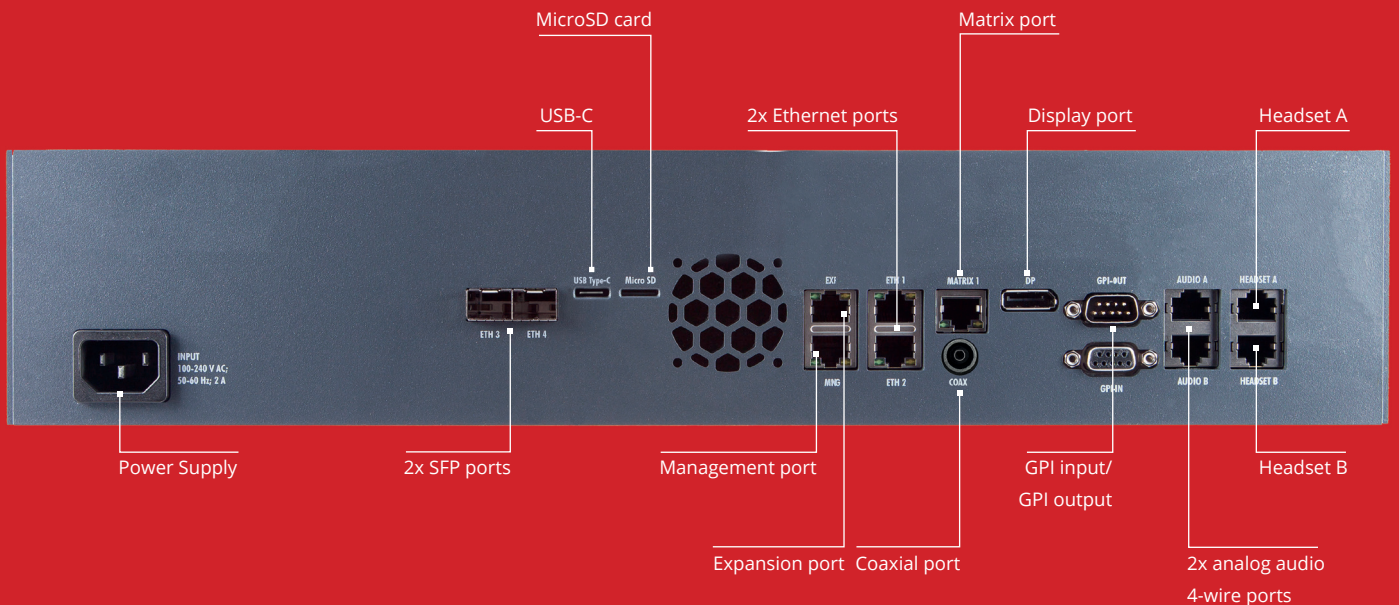
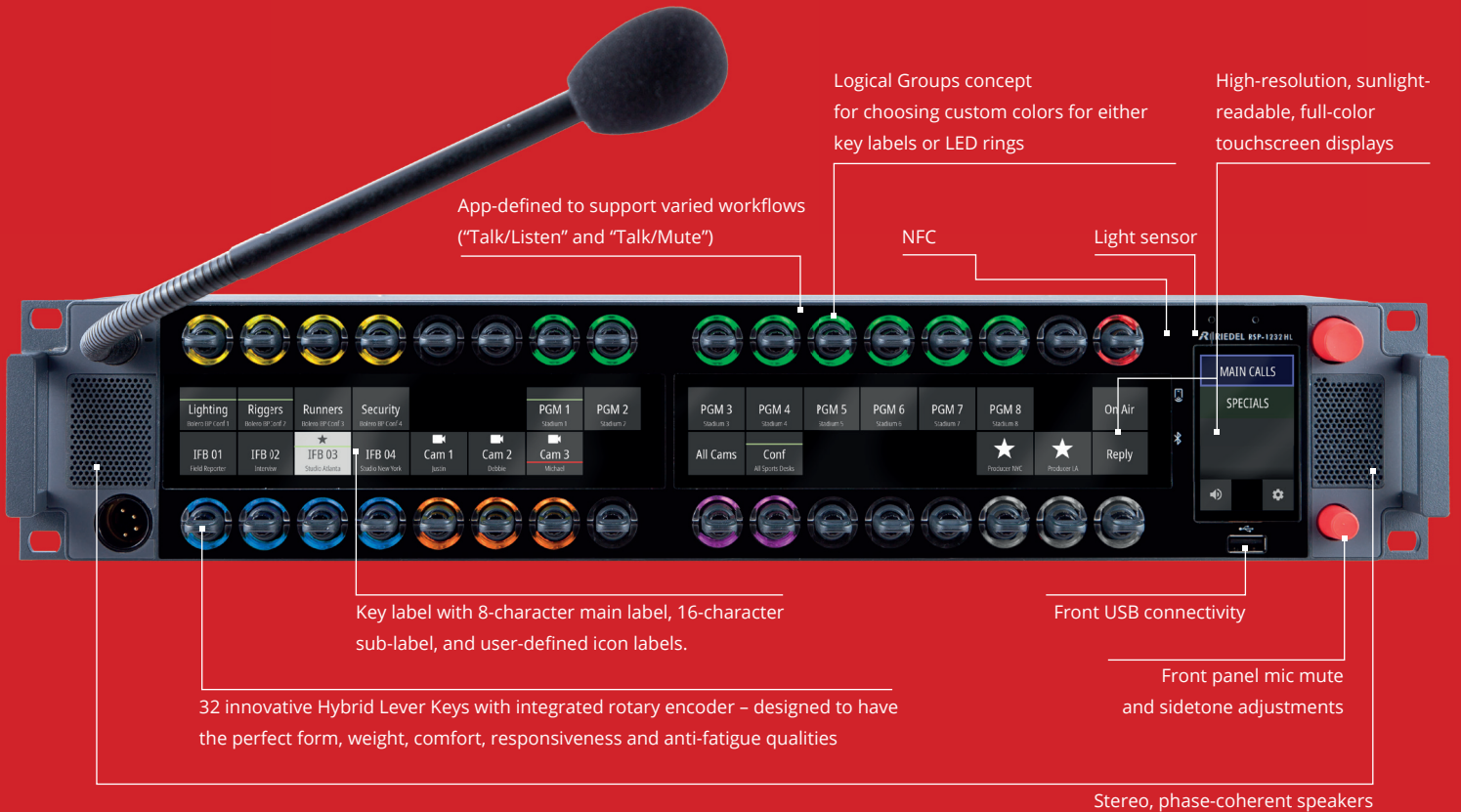
Monitor up to 16 mono AES67 channels from a total of 128



Create labels that speak to you with 8 characters in the main title and 16 in the subtitle

Quickly switch back to intercom via key banks

The smartest SMARTPANEL™ ever



HARDWARE FRONT ELEMENTS

Displays	3 high-resolution, bright color, sunlight readable TFT displays with multi-touch control (capacitive)
Keys & rotaries	32× software-assignable lever keys 2× rotary encoders
Mic	1× threaded 6.3 mm jack for microphone 1× internal panel microphone
Headset	User-exchangeable headset connector with preinstalled 4-PIN male XLR connector
Speaker	2× full-range, high-quality speakers
USB	USB 2.0 connector (Standard Type A) max. 1000 mA
NFC	✓
Bluetooth	✓
Light Sensor	✓

HARDWARE REAR ELEMENTS

Power Connectors	Power input
SFP-Slots	2× slots for SFPs
USB	USB 2.0 connector (standard type C) max. 1000 mA
MicroSD-Card Slot	Support of MicroSD-Cards and MicroSDHC-Cards up to 32GB size
Ethernet	2× RJ-45 (8P8C) 10/100/1000BASE-T (AES67/Ethernet)
Expansion	Connector for Expansion Panels (RJ45)
Management	Connector for panel configuration (separation of audio and management network)
Matrix	2× connectors for matrix connection (RJ45, BNC)
DisplayPort	DisplayPort connector
GPI-Out	3× Output max. 48 V / 300 mA Protected by self-healing fuse
GPI-In	3× Inputs U _{in} = +5 V ... +48 V
Audio	2× RJ-45 (8P8C) 4-Wire in- and outputs
Headset	2× RJ-45 (8P8C) Headset connectors Headset A identical to front connector signal

HARDWARE OVERALL

Environmental Temperature	0 °C ... +45 °C
Humidity	20 % ... 90 % rel. hum. (non-condensing)
Altitude	3000 m abs. alt.
Supply Voltage	90 ... 240 VAC, 47 ... 63 Hz
Power Consumption	<20W
Form Factor	19", 2 RU
Dimensions (w×h×d)	445 mm × 88 mm × 95 mm / 19" × 3.7" × 3.5" (installing dimensions)
Weight	3.4 kg / 7.4 lbs

SOFTWARE FEATURES

Intercom Keys	32
Individual Volume Control	✓
Multitouch Displays	✓
AES3	✓
AES67	✓
GPI (In/Out)	3/3
Audio I/O A	✓
Audio I/O B	✓
Headset A	✓
Headset B	✓
Expansion Panels	✓
Key Banks	✓
Panel Mic, Panel Speaker	✓
Logical Groups	✓

RSP-1232HL

Riedel's next-generation SmartPanel opens new perspectives into multifunctional user interfaces.

Building upon the technology that powers Riedel's SmartPanel App-driven user interfaces, the new 1200 Series RSP-1232HL multifunctional user interface represents a quantum leap forward in workflow flexibility, power, and connectivity. Featuring multiple full-color multi-touchscreen displays, 32 innovative Hybrid Lever Keys, the ability to leverage apps for multifunctionality, and the ability to easily adapt to the various workflows in use today, this new panel is poised to allow you to work the way you always have while opening up entirely new workflow possibilities.

Completely new from the ground up, the 1200-Series RSP-1232HL (Hybrid Lever) SmartPanel is Riedel's smartest SmartPanel yet! The SmartPanel concept decouples the panel's capabilities from its hardware and turns it into a generic device on which customers can install different apps to enable different capabilities. With a Riedel SmartPanel, you not only get what the panel is capable of today – but also what it will be capable of in the future.

The RSP-1232HL's **Intercom App** supports multiple workflows. Some comms users prefer a "Talk/Listen" workflow where the user chooses what to listen to from an initially silent panel. Other users prefer a "Talk/Mute" workflow that starts with a panel that broadcasts everything, with the users selecting which signals to turn off. Users can decide which mode they prefer on a per-panel basis. New features that further enhance the panel's ease of use include Riedel's new Logical Groups concept. Logical Groups allow users to choose custom colors for the key labels or the LED rings around the keys. 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 point in time. The "open mic", "muted key", "incoming beep", or "port busy" prompts are easy to read and understandable at a glance. Users can get as much or as little information about any given key as needed.

Connectivity is king at Riedel. The new panel takes advantage of the AES3 digital connectivity that Riedel has always used along with SMPTE 2110-30 (AES67) connectivity. AES67 connection is provided via fiber SFPs or RJ45 connections, creating a variety of daisy-chaining and redundancy options to realize extraordinary cabling flexibility and resilience. Other features include stereo, phase-coherent speakers, front-panel mic mute and sidetone adjustments, front/rear USB ports, Bluetooth and NFC connectivity, GPIO and 4-wire ports, and a light sensor for the autocalibration of screen brightness in changing ambient light environments.

With the new **Control Panel App**, third-party control, monitoring, and automation systems can be adapted to the RSP-1232HL's easy-to-use and highly intuitive user interface. Its feature set is surprisingly simple but incredibly powerful. Users can trigger actions in third party systems with the panel's keys, rotaries, and touchscreens, and get visual feedback on configuration status and changes via colors, labels, and symbols on touchscreens and LEDs. The Control Panel App is built on open NMOS standards for easy interoperability and scalability. Key to this is the NMOS IS-07 standard which allows the exchange of event/state information (e.g. the press of a button or the color of an LED) across systems of different vendors.

The **Audio Monitoring App** enables users to keep track of their audio quality while managing a production via the Intercom App. The app directly connects to any SMPTE-2110-30 (AES67) stream available within the network, which makes selecting and managing monitoring sources incredibly flexible and surprisingly simple. Users may monitor up to 16 mono AES67 channels in parallel from a total of 128 channels which they can swiftly manage within the app's intuitive browser-based configuration tool. As all SmartPanel apps run simultaneously, users will never miss an important call: Intercom calls will automatically dim the monitoring volume and also be indicated within the panel's info display.

Uniting powerful intercom, control and audio monitoring functionalities in a single keypanel, the 1200-Series SmartPanel delivers a truly unique combination of capabilities that empowers users while saving valuable rack or desk space. The software-defined SmartPanel is set to keep up with new technologies and workflows in the dynamic environments of broadcast, event production, and Pro AV, as its capabilities continue to evolve with industry demands.





Riedel Communications GmbH & Co. KG
Uellendahler Str. 353 | 42109 Wuppertal | Germany
Phone +49 (0) 202 292-90 | info@riedel.net | www.riedel.net