

RIEDEL Intercom Panels – The Easy-to-operate Key Panels

Whether you decide for the 1100 series panels, the classic 1000 series panels, the new 2300 series panels or any other Intercom panel: You can be sure to get easy-to-operate, high-tech control panels with broadcast quality audio, minimum dimensions and outstanding design made through quality German manufacturing.



1100 Series Panels

The 1100 series is Riedel's high-tier control key panels for Riedel digital matrix intercoms. Following Riedel's intuitive concept of integrated displays in the panel keys, the 1100 series features high-res colour OLEDs. With 65,000 colours and a resolution of 140 dpi these new displays provide excellent readability and are able to show highly detailed characters and icons of up to 24x24 pixels. The panel provides individual rotary encoders to adjust the listen level of each talk key. An option slot for additional modules prepares the control panel for future technology developments.



1000 Series Panels

The 1000 series is the classic set of key panels from Riedel and is available in 19" rack-mount, desktop and modular (Danner) versions. All control key-panels feature bright, dimmable 8-digit alphanumeric in-key LED displays, individual rotary encoder for listen level control and LED level indication for each talk key. In addition, all 1000 Series control key-panels provide five dedicated function keys, a built-in loudspeaker, XLR headset connector and a removable gooseneck microphone. Three GPIs and three GPOs are available for system-wide programming as standard.



2300 Series Panels

The 2300 Smartpanel series is the world's first key panel designed as a powerful multifunctional user interface. The unique feature set includes high-resolution, sunlight readable, multi-touch color displays, 18 keys in 1RU, premium quality stereo audio, as well as a multi-lingual character set. The Smartpanel provides exchangeable headset connectors for mono or stereo applications, integrated power supply, low mounting depth, individual volume controls for each key, 2 USB ports, 2 Ethernet connectors, GPIO, Audio I/O, HDMI option slot, and removable gooseneck microphone. The feature set of this multifunctional user interface can be expanded by adding software applications.



Riedel Virtual Panels

The Riedel Virtual Panels allow a regular computer or a mobile device to function as an intercom control panel in combination with any Riedel digital matrix intercom system. The communication between the matrix and the virtual panel is handled via the VoIP-108 G2 client card.

Suitable for:



Riedel Control Panels – Key Benefits

- » Individual listen level control to adjust the listen level of each talk key
- » Entirely digital connection to the matrix via AVB (prepared for AES67) or AES3/EBU (RJ-45 for CAT wiring and 75 ohm BNC connectors for coaxial video cables provided as standard)
- » All connectivity options offer a second audio channel, which allows the panel to transport broadcast quality audio in addition to the intercom application
- » Panels can be routed through any AES3/EBU audio routing environment
- » 3 GPIs and 3 GPOs for system-wide programming
- » Two sets of balanced line level audio inputs and outputs
- » Ultra-compact design with integrated power supply and a recessed depth.
- » Smart panel feature set

1100 Series Panels

Features

Display type	exclusive multi-colour high-res 8 character OLED in-key displays
Key type	exclusive keys with integrated display
Support of horizontal and vertical mode	yes
Cross-point level indication for each key	yes
Individual listen level / on-off controls for each key	yes / yes (individual rotary control for each key)
Shift-page to double the keys	yes
Function keys for fast operation	headset/panel mic, shift-page, F1, F2, options
Digital connection to matrix	CAT, Coax / optional: Fiber, VoIP & AVB (prepared for AES-67)
Balanced analog line level inputs / outputs	2x / 2x
GPI opto-inputs / relay outputs on DB9 connectors	3x / 3x
Slot for future option modules	yes
Removable gooseneck microphone	yes
Front headset on 4-pin XLR	yes
Rear connector for external microphone / speaker	yes / yes
Built-in loudspeaker	yes
Integrated power supply	yes

Types

Rack-mount	RCP-1112; 12 keys; 19"/1RU; depth: 80mm / 3¼"
	RCP-1128; 28 keys; 19"/2RU; depth: 80mm / 3¼"
Desktop	ECP-1116; 16 keys expansion; 19"/1RU; depth: 80mm / 3¼"
	DCP-1116; 16 keys
Modular	DEM-1106; 8 keys Expansion Module (Danner)
	DEM-1106D; 8 keys Expansion Module (DHD)
	DEM-1106L; 8 keys Expansion Module (Lawo)

Smart features

Intuitive touch screen control	
Bluetooth connectivity	
Stereo	
Exchangable headset connector	
Open platform	

Apps

Intercom	
Control	

1000 Series Panels

2300 Series Smartpanels

exclusive 8 character LED in-key displays	Display: 8 character, sunlight readable, high-res color TFT touch screen
exclusive keys with integrated display	push-button / touch screen
yes	yes
yes (LED)	yes
yes / yes (individual rotary control for each key)	yes / yes
yes	yes
headset/panel mic, shift-page, normalisation, options, beep	Headset / panel mic, mute, shift-page, menu
CAT, Coax / optional: Fiber & VoIP	AVB (prepared for AES-67) / optional: VoIP, CAT, Coax
2x / 2x	2x / 2x
3x / 3x	3x / 3x
no	yes
yes	yes
yes	yes
yes / yes	yes / yes
yes	yes
yes	yes

RCP-1012E; 12 keys; 19"/1RU; depth: 56 mm / 2¼"	RSP 2318; 18 keys; 19"/1RU; depth: 78,5 mm
RCP-1028E; 28 keys; 19"/2RU; depth: 56 mm / 2¼"	ESP 2324; 24 Keys; 19"/1RU; depth: 78,5 mm
ECP-1016E; 16 keys expansion; 19"/1RU; depth: 56 mm / 2¼"	
ECP-1012ET; 12 keys expansion with keypad; 19"/1HE; depth: 56 mm / 2¼"	
DGP-1016E; 16 keys	
DIF-1000 / DPS-1000 Modular Panel Interface / Power Supply; 19"/1RU	
DBM-1004E; 4 keys Base Module (Danner)	
DEM-1006E; 6 keys Expansion Module (Danner)	

	yes
	yes (optional)
	yes
	yes
	yes
	yes
	yes

Intercom Goes Commentary: Riedel Commentary Control Panel



Riedel Commentary Panel – Features

- » High quality microphone preamplifier with 48V supply, transformer balanced input, low-cut, +6dBu Limiter and level meter
- » All line inputs electronically balanced, all line outputs transformer balanced
- » Large illuminated push-button switches for ON AIR and COUGH/MIC MUTE
- » 16 free programmable intercom keys with 8 character high-res OLED displays
- » Additional programmable and remote controllable mono line input (e.g. to feed local playback sources) and speaker output
- » High quality headphone amplifier with monitor mix section: 3 source level controls, sidetone and overall level
- » Elaborated split-ear operation for commentary headphones: all sources routable
- » Standalone/emergency mode operation
- » Power supply redundancy via DC connector
- » Quick and easy set-up

The Riedel CCP-1116 is a commentary unit for two commentators with integrated intercom functionality. The device provides up to two commentary positions with high-quality mic pre-amps and all the intercom features known from Riedel Digital Matrix Intercom systems.

Combined in one compact device and cabled via one single CAT5 or COAX cable, the CCP-1116 reduces cabling effort, set-up time and points of failure. In addition the CCP-1116 provides a clearly arranged user interface with improved functionality at the commentary position including programmable buttons for communications and GPIOs as well as remote control of the commentary panel.

In case of failure within the system - e.g. loss of the cable connection in between a CCP-1116 and the matrix - the stand-alone/emergency mode will be established without a loss of signal. ON AIR and MIC DIRECT OUT audio signals are available separately and A/B combined at XLR outputs of the CCP-1116. AUX IN XLR inputs feed the Phones Monitor Mix and thus replace the monitor signals.

Intercom Controls:

16 free programmable intercom control keys with individual listen volume controls. For two-user operation the set of keys can be split, resulting in 8 intercom keys per commentator. Following Riedel's intuitive concept of integrated displays in the panel keys, the 1100 series features the next generation of high-res colour OLEDs. With 65,000 colours and a resolution of 140 dpi these new displays provide excellent readability and are able to show up to eight highly detailed characters of up to 24x24 pixels, ideal for displaying icons and Asian characters. Definable marker colours for the keys complete the labelling options and provide instant function identification and signalization, e.g. for incoming calls. Function keys for fast operation: headset/panel mic, shift-page, F1, F2, options.

RSP-2318 Smartpanel



Riedel's RSP-2318 Smartpanel is the world's first key panel designed as a powerful multifunctional user interface, that will enrich your user experience and change the way you communicate.

The unique feature set includes high-resolution, sunlight readable, multi-touch color displays, 18 keys in 1RU, premium quality stereo audio, as well as a multi-lingual character set, making this new Smartpanel the best in its class. Through apps, the feature set of this multifunctional user interface can be expanded.

Offering AVB and RAVENNA/AES67 connectivity as standard, and optionally AES3 over CAT/Coax (through the option slot), Riedel's RSP-2318 Smartpanel provides exchangeable headset connectors for mono or stereo applications, integrated power supply, low mounting depth, individual volume controls for each key, 2 USB ports, 2 Ethernet connectors, GPIO, Audio I/O, option slot and removable gooseneck microphone.

Developed to embody apps, including intercom, the RSP-2318 Smartpanel provides an intuitive and flexible user interface that can handle multiple tasks.

In the same ways that smartphones have enriched user experiences from traditional mobile phones, the Riedel RSP-2318 Smartpanel will bring your workflow to a whole new level.

Needless to say, the RSP-2318 Smartpanel provides backwards compatibility and thus can be integrated in any existing Riedel installation, allowing for smooth interoperability between all Riedel intercom systems, such as Artist, Tango, and Performer.

Riedel Smartpanel – Key Features

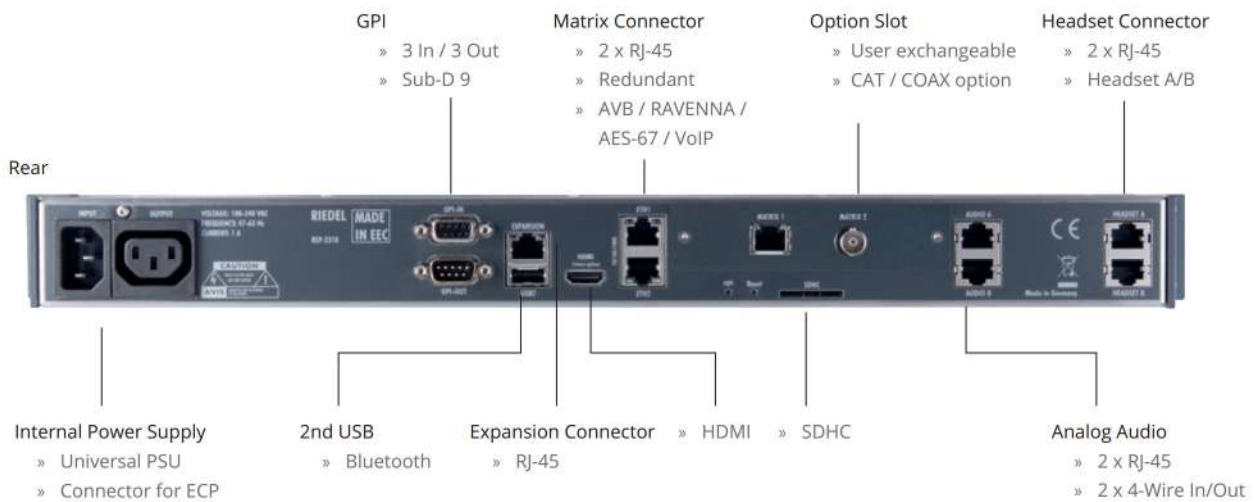
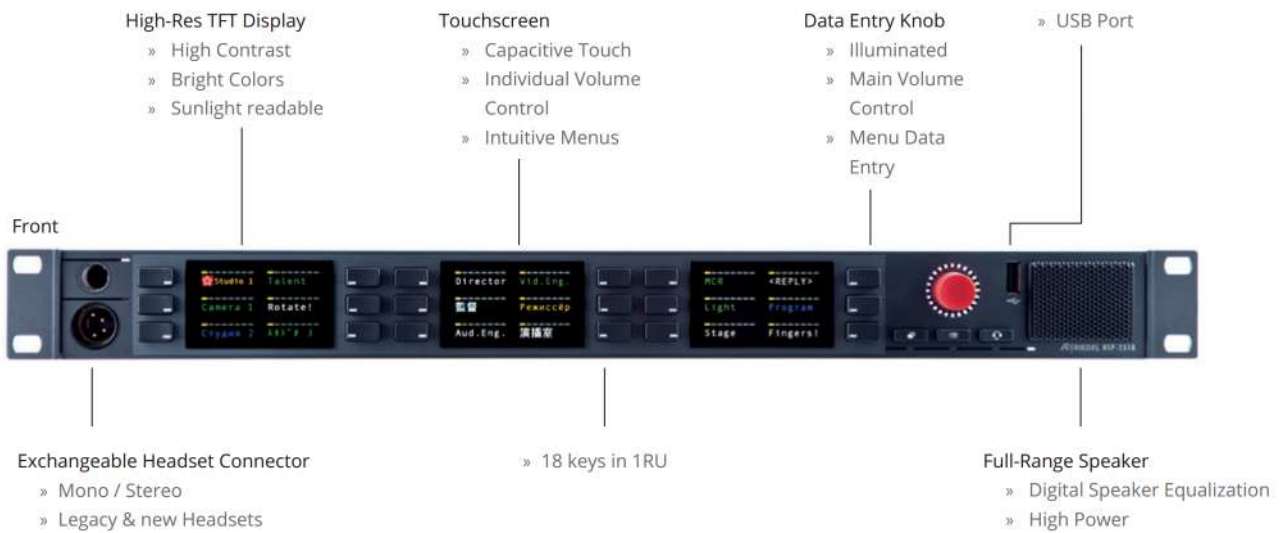
- » Open platform for applications
- » 18 keys
- » High-resolution, sunlight-readable displays
- » Individual volume control
- » Intuitive touch-screen UI
- » Integrated power supply

Riedel Smartpanel – Key Benefits

- » Compatible with all Riedel Intercom Matrix solutions
- » Expandable feature set
- » Universal Control Panel

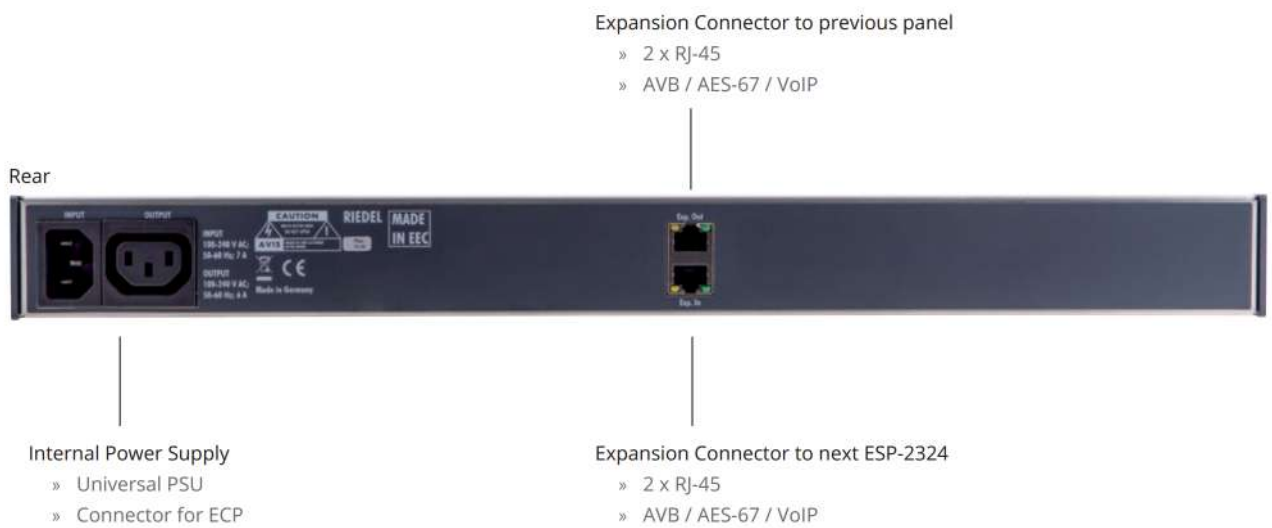
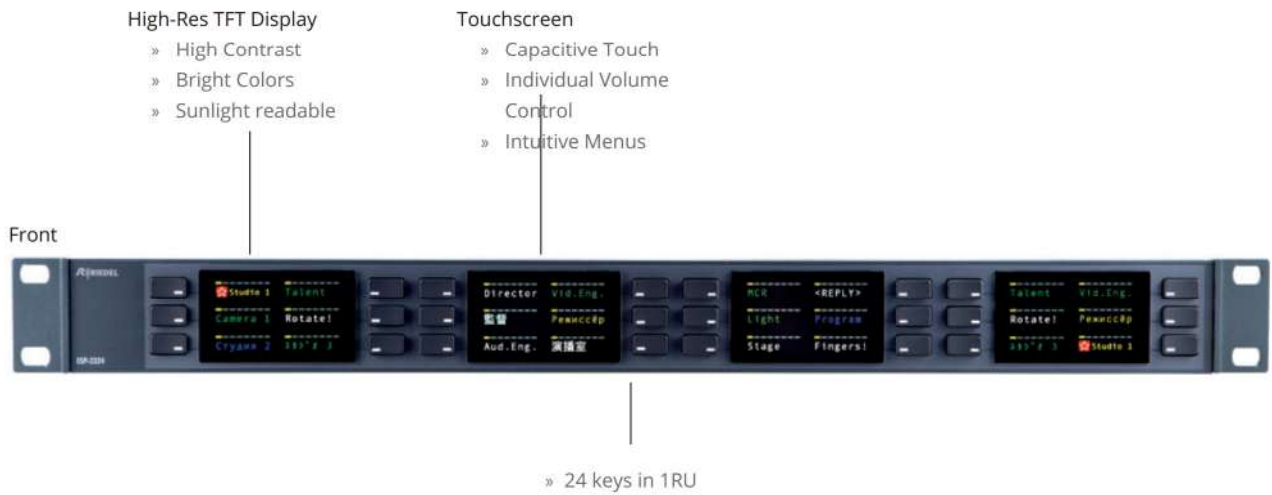
What's a Smartpanel?

It's an open app-based user interface, with integrated multi-touch technology designed to bring your workflow to a whole new level.



Tech Specs

Environmental Temperature	0 °C ... +45 °C
Supply Voltage	100 ... 240 VAC, 50 / 60 Hz (redundant)
Power Consumption	≤ 30 W
Form Factor	19", 1 RU
Dimensions (w×h×d)	446 mm × 44 mm × 79 mm (Installing Dimensions)
Weight	1.7 kg



Tech Specs

Environmental Temperature	0 °C ... +45 °C
Supply Voltage	100 ... 240 VAC, 50 / 60 Hz (redundant)
Power Consumption	≤ 5 W
Form Factor	19", 1 RU
Dimensions (w×h×d)	446 mm × 44 mm × 79 mm (Installing Dimensions)
Weight	1.4 kg

Smartpanel Apps



The RSP-2318 Smartpanel is now available with a choice of three intercom apps, each with a range of connectivity options to meet specific user requirements

With three editions of the intercom app for the Smartpanel, Riedel now provides exactly what customers need, allowing them to keep the costs low. With the new app concept,

customers don't have to pay for features that they do not need. This new approach and the future apps, which Riedel will provide for the Smartpanel, will give customers maximum flexibility and will allow the RSP-2318 to become a powerful interface not only for intercom, but for many other applications.

Intercom App	BASIC	PLUS	PRO
Intercom Keys	12	12	18
Individual Volume Control	✓	✓	✓
Multi-touch Displays	✓	✓	✓
AVB	✓	✓	✓
AES67	✓	✓	✓
GPI (In/Out)	-/-	3/3	3/3
Audio I/O A	-	✓	✓
Audio I/O B	-	-	✓
Headset A	✓	✓	✓
Headset B	-	✓	✓
Expansion Panels	-	✓	✓
Shift Page	✓	✓	✓
Panel Mic, Panel Speaker	✓	✓	✓
Flexible Upgrades	✓	✓	✓
Open for Add-Ons	✓	✓	✓

MediorNet Control App	
Control Apps	18
Audio I/O	34/34
Video I/O	34/34
Macros	34
Macro depth	100
Web UI for Configuration	✓
Panels per Network running MN Control	25
MediorNet 3rd party IDs	250
Expansion Panel	-
Shiftpage	✓
Panel Mic, Panel Speaker	still owned by Intercom App*
Flexible Upgrades	✓
Open for Add-Ons	✓

* if intercom and Control App are both licensed