

# 1200 Series SmartPanel Apps

The 1200 Series SmartPanels are Riedel's smartest panels 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.

## Intercom App

The 1200 Series 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.

With unique features and workflow tools like Key Banks and Logical Groups, 1200 Series SmartPanel intercom users always stay on top of things.



### Intercom App (ICA)

Supported hardware	RSP-1216 / RSP-1232
Intercom Keys	16/32
Individual Volume Control	✓
Multi-touch Displays	✓
AVB	-
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 Group Colors	✓

## Control Panel App

The Control Panel App brings the user interface of a 3rd party control, monitoring and automation system onto the easy-to-use and highly intuitive UI of the SmartPanel. The user can manage complex multi-step workflows through a user-friendly remote panel.

Each 3rd party control system supporting NMOS IS-07 will be able to natively use the Control Panel App. In addition, the Control Panel App can be connected to multiple control systems at the same time.



### Control Panel App (CPA)

Supported hardware	RSP-1216 / RSP-1232
16 or 32 configurable keys (selectable in blocks of 8)	✓
1 dedicated keybank	✓
NMOS integration	✓
Easy setup via WebUI	✓
works standalone or along with other APPs on the same Hardware	✓
Parallel use of Control Panel App and Intercom App and switch via keybank view	✓

### Technical Specifications

<b>Overall</b>	
Keybanks	1 (dedicated for Control Panel App)
Max. Number of Keys	16 on RSP-1216 32 on RSP-1232
Number of Configurable Keys in License	16

### Network

NMOS IS-04 (Device Discovery & Registration)	✓
NMOS IS-05 (Device Connection Management)	✓
NMOS IS-07 (Event & Tally data)	✓
Media Port (ETH1-4) Connection	✗
MGNT Port Connection	✓

## Audio Monitoring App

The Audio Monitoring App enables users to monitor their audio streams while managing a production via the Intercom App. The app directly connects to any SMPTE 2110-30 (AES67) stream available within the network, either dynamically managed via NMOS or in a static SDP-based configuration, mixing the audio directly inside the SmartPanel. Users can monitor up to 16 stereo SMPTE 2110-30 (AES67) streams in parallel while a total of 256 stereo channels can be pre-configured and managed directly on the panel.



## Application Software

### System Overview

Max number of sources (joined simultaneously)	16
Max number of potential Audio Monitoring Sources (select from list)	256
Max number of monitoring Sources (assigned on keys)	16
1 dedicated keybank	✓
Works standalone	✗
Works along with other Apps on the same hardware	✓
Parallel use of Audio Monitoring App, Control Panel App and Intercom App (in Artist-1024 mode) and switch via keybank view	✓
Use audio monitoring app and Intercom app simultaneously (within the same key bank)	✗

## Capabilities & Connectivity

### Supported Hardware Interfaces

#### System Overview

RSP-1232HL	✓
RSP-1216HL	✓
ESP-1216HL	✗

### Supported Audio Standards / Formats

#### System Overview

SMPTE 2110-30 (AES67)	✓
SMPTE 2022-7 (redundancy)	✗
Mono	✓
Stereo	✓

### Configuration

#### System Overview

Receive Audio Monitoring Source configuration from a 3rd party control system ( via RestAPI)	✓
Change key assignment channels on the panel (Select from Source List)	✓
Secondary Drawer support (open Source List, Normalize, Isolate, Mono Sum)	✓
Configuration via dedicated Config Tool	✓

### Stream Allocation

#### System Overview

Static IP configuration (via SDP)	✓
NMOS based configuration	✓
Channel Mapping via NMOS IS-08	✓

### User Interface

#### System Overview

Source Labels	✓
Subtitle	✓
Icons	✗
Group Color	✓
Metering	digital Level meter
Clipping Indication	✓

### Functions

#### System Overview

Mute/Unmute individual Sources	✓
Mute/Unmute individual Source legs (Isolate)	✓
Create Monosum from Stereo Source	✓
Solo individual Sources	✓
Individual Sources volume control	✓
Normalize volume for individual monitoring keys	✓
Mono signal on a key	✓
Stereo signal on a key	✓
5.1 downmix signal on a key	✗
Route to individual speaker / HS	✗
Ducking function	
· Incoming Intercom Call ducks AMA (ducking level adjustable)	✓
· AMA Solo function ducks Intercom (ducking level adjustable)	✓

### Audio Outputs

#### System Overview

Headset A (Front/Rear)	✓
Headset B (Rear)	✗
Speaker(s)	✓
Audio A/B	✗