

INTERACTIVE SYSTEMS



From the real needs of System Integrators, InOut comes to life developing and offering a range of amplifiers, players, microphones and excitors with the features that audio professionals really need.

Choosing InOut technologies means relying on over twenty years of excellence and ambitious research into raise up the standards of system integration. The result is an offer of reliable solutions, excellent performance focused on multi-channel and interactivity audio applications.

InOut products are designed for applications where sophisticated and creative audio communication is required, such as shops, malls, bars and restaurants, museum exhibitions, and much more. This catalog offers an audio solution to every communication project that aims to develop a great audio environment.



AMPLIFIERS



TURN UP THE VOLUME AND
AMPLIFIES THE HORIZONS
OF COMMUNICATION



DA-480R

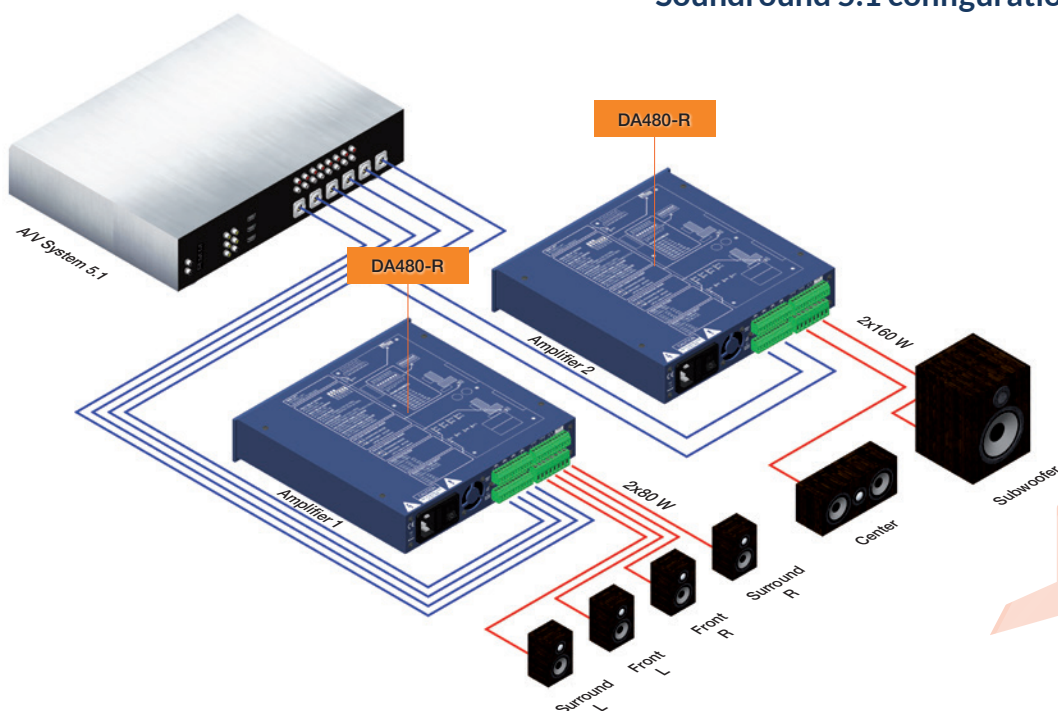
4 CHANNEL POWER AMPLIFIER



- Versatile and reliable multichannel amplifier, with SMT assembly technology
- Very low noise level and distortion at any power
- Class T power amplifiers with very low thermal dissipation
- Volume adjustment via VCA channel
- Protection circuit
- Multi-color LEDs per channel (input signal, peak level and possible self-protection interventions)
- Relay contacts outputs and programmable logics
- Low impedance Balanced Audio Inputs
- Power outputs accept cables section up to 2.5 mmq
- Power outputs: 4x80watt @ 4Ω or 2x160watt @ 8Ω in bridge mode
- Trimmer for input audio regulation
- RS485 Protocol for third party control
- Mains supply 230Vac on VDE Connector, fuse holder and ignition switch
- Slim Design and chassis Ultra Compact
- Metal Body 1/2 Units rack 19"

APPLICATIONS

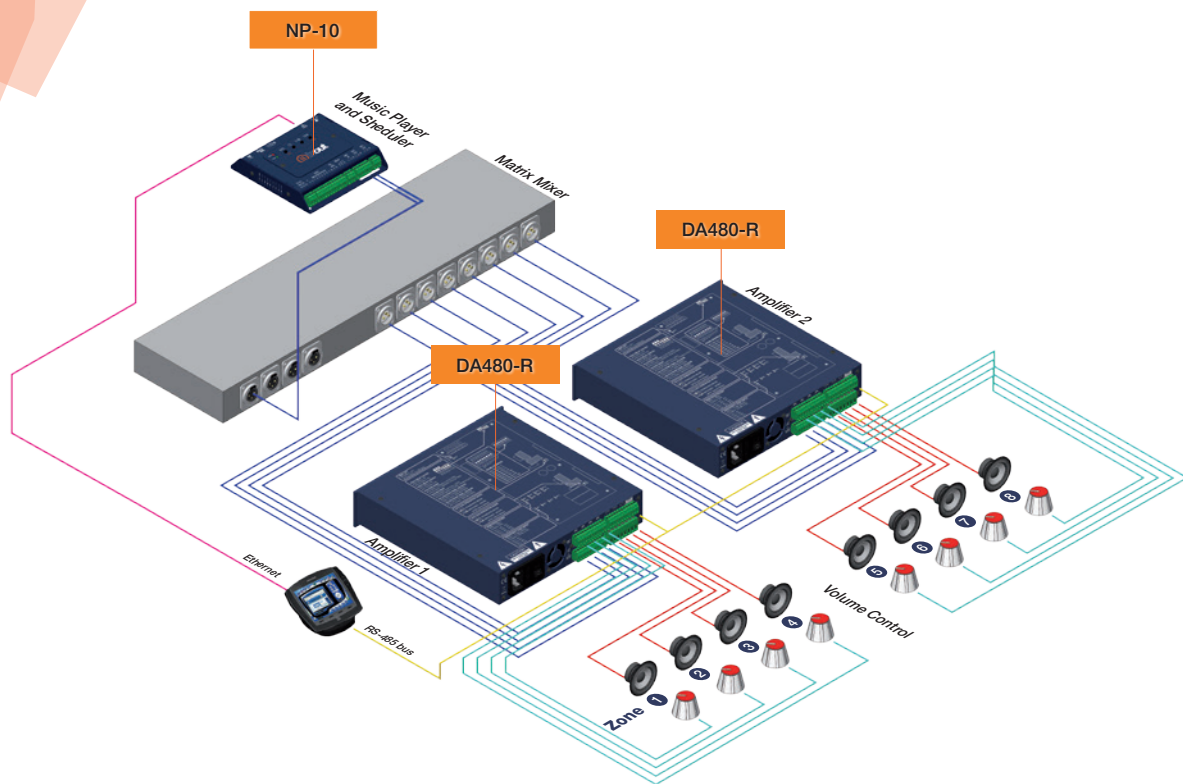
Soundround 5.1 configuration



DA-480R

APPLICATIONS

Generic paging system with constant voltage speaker lines



AT-480R

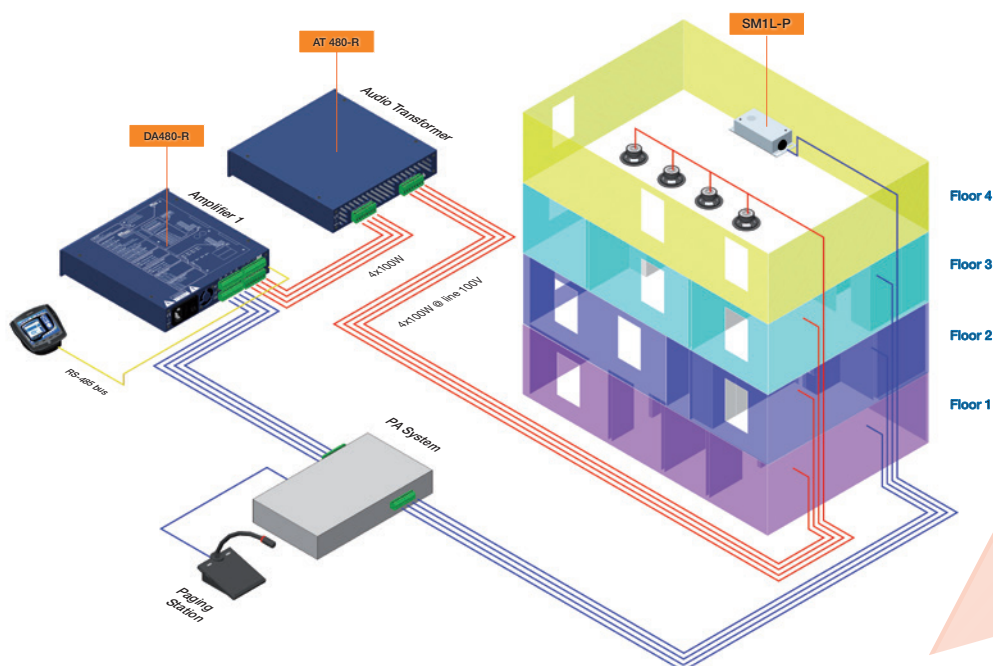
4 CHANNEL AUDIO TRANSFORMER



- Versatile and reliable multichannel audio transformer
- Slim Design, ultra compact chassis for multi-zone applications
- High-bandwidth toroidal transformers, low distortion, with galvanic isolation between audio inputs and 100v outputs
- Low impedance balanced audio inputs
- Power outputs 4x100W @ 100V
- Two patch cord to connect the AT480-R to the DA480-R included
- Metal chassis 1/2 rack unit 19"
- Compatible with other amplifiers
- AT480-R can be also used stand-alone

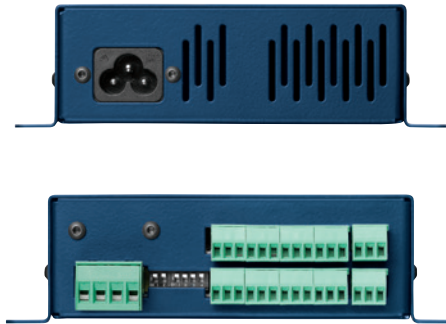
APPLICATIONS

Generic paging system with constant voltage speaker lines



DA-250P

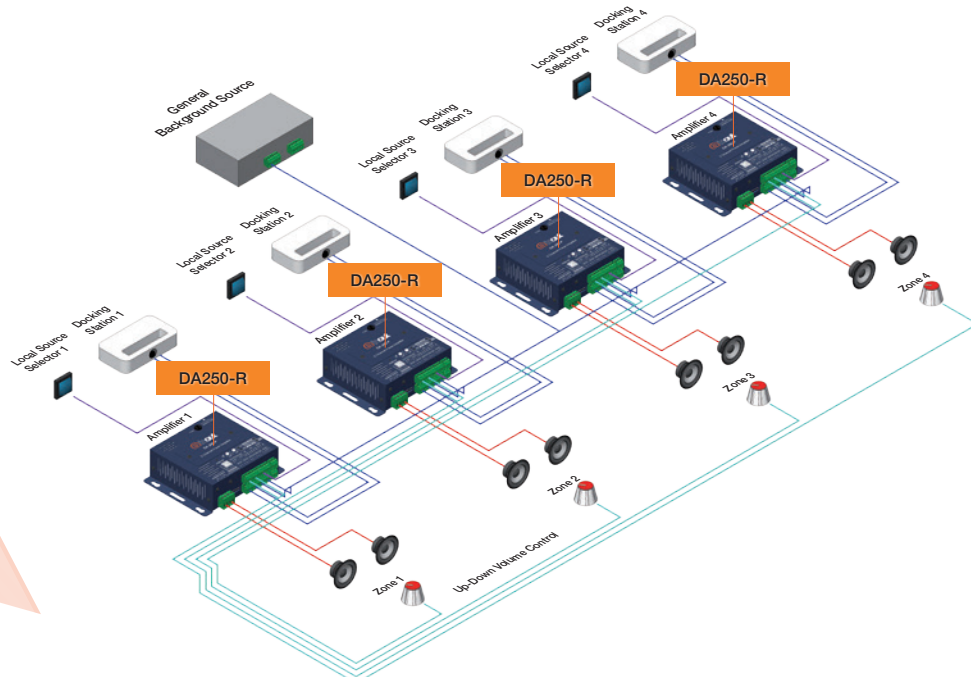
2 CHANNEL POWER AMPLIFIER



- Versatile and reliable two-channel amplifier with SMT technology
- Very low noise and distortion level at any power
- Class D power amplifiers with very low thermal dissipation
- Volume adjustment via VCA channel
- Circuit protection against DC, subsonic frequencies, short circuits, high temperatures and high frequencies
- Status LED: Power, signal presence, peak, fault, AUX and mute selection
- Logic outputs of fault (channel in protection)
- Balanced low-impedance audio connectors
- Balanced auxiliary audio input for external sources with corresponding switching logic input
- Mute enabling logic port
- Power outputs that accept cables of section up to 2.5 mmq
- Trimmer for input audio adjustment
- RS485 Protocol for third part control
- Output power 2x50watt @ 4 Ω ; Bridged 1x100watt@8 Ω
- Speaker Load: 4 to 16 Ω
- 110-230Vac mains power supply on IEC 320 C5 plug

APPLICATIONS

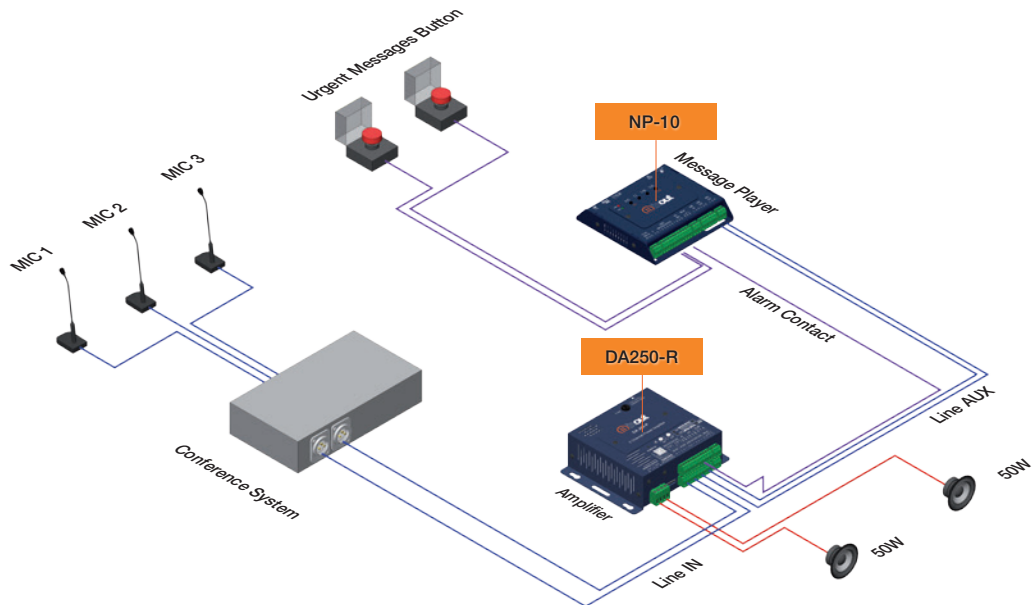
Background music and selectable ads with centralized control for multi-room applications



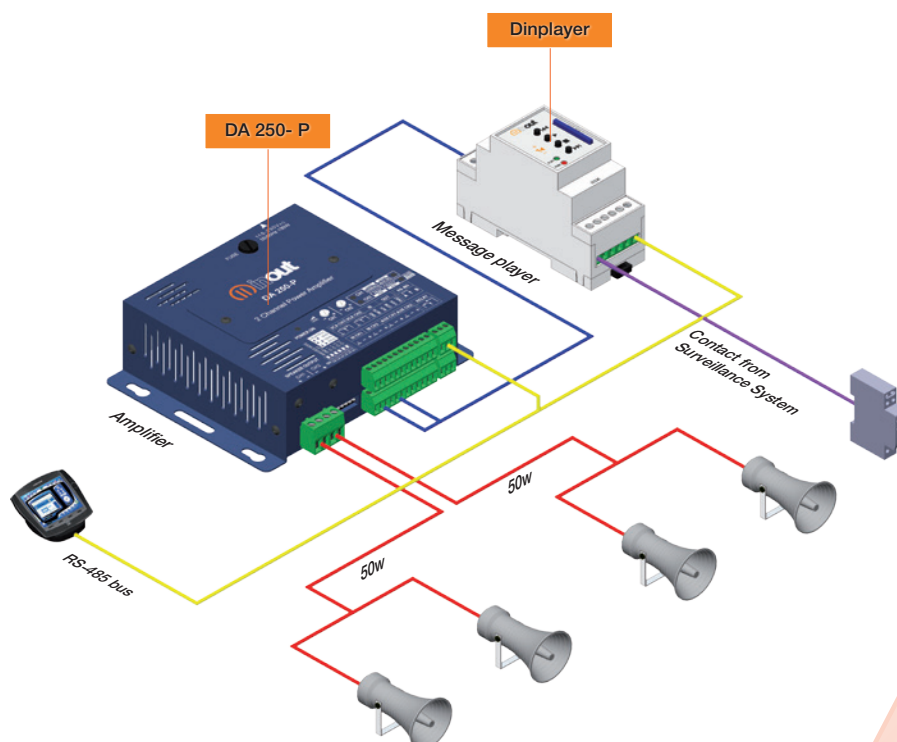
AMPLIFIERS



Conference room and allerts from a security point



Reproduction of pre-recorded messages for video surveillance system



PLAYERS



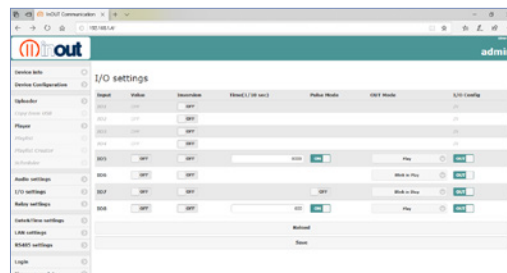
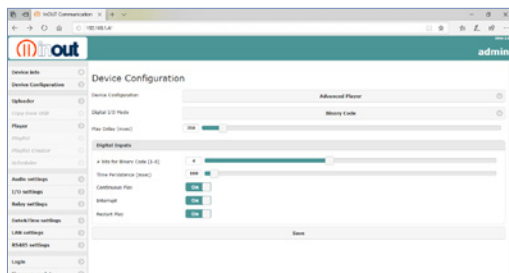
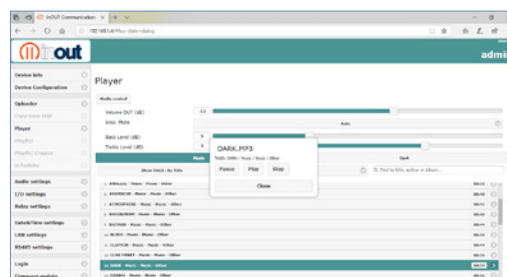
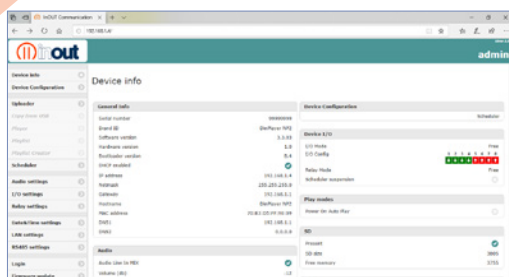
CREATE THE RIGHT
SOUND TO ENGAGE
THE LISTENER



NP-2



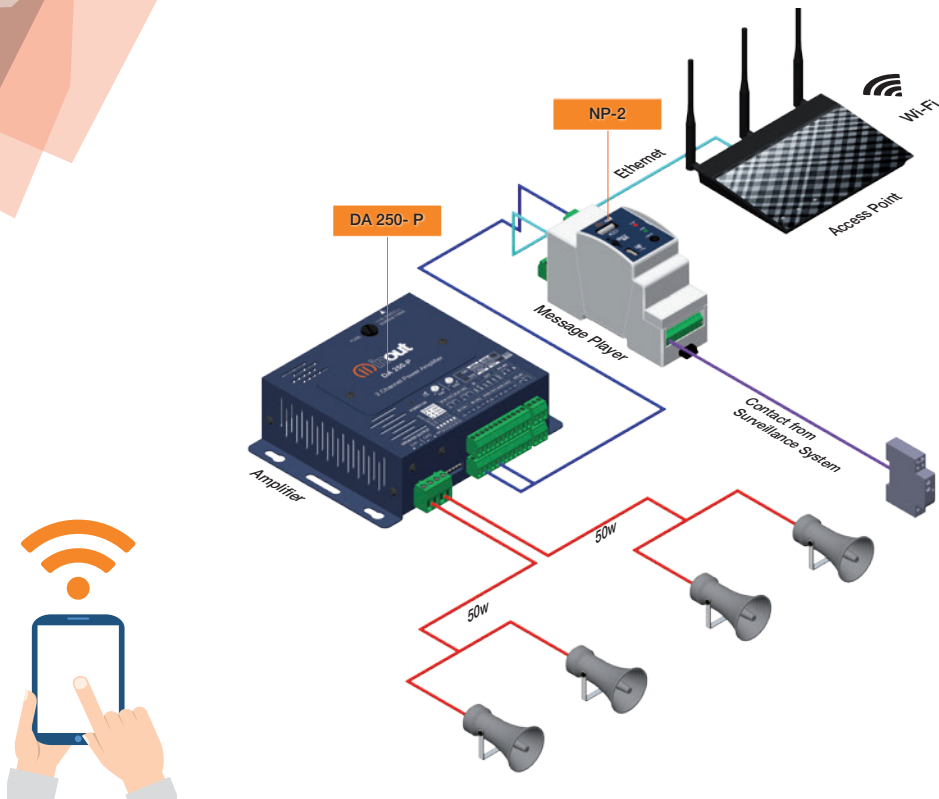
- Audio Player with network capability
- Preamplified L+R stereo audio input for external music source with mixer function
- Preamplified L+R stereo audio output (0dB)
- Amplified mono audio output 15W
- 8 logic on/off ports individually configurable Logic inputs for playlist or file activation or player control
- Logic outputs for the simple control of external devices
- Programmable relay output NO/NC
- RS485 control port for remote control
- 1x USB 2.0 type A Connector device (host)
- 1x MicroSD port (Content Storage)
- 1x Ethernet LAN 10/100 port for I/O configuration, 1 event schedule, track selection and remote control system
- 1 unit rail DIN 12Vdc/15W PSU included
- Main voltage 12 VDC



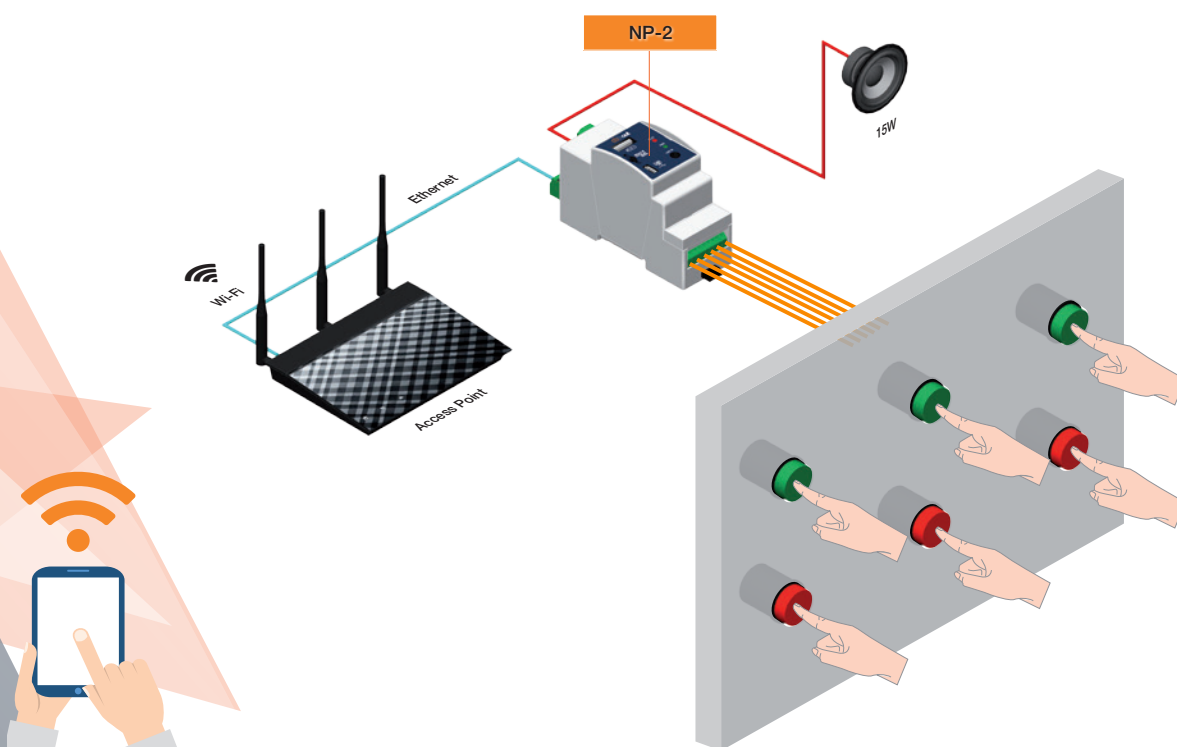
Web-based GUI (Graphical User Interface) to set and schedule playlist, update files and firmware.



Recorded messages player for a surveillance camera system



Synoptic Panel with audio messages



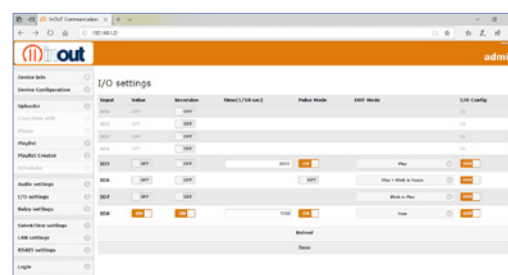
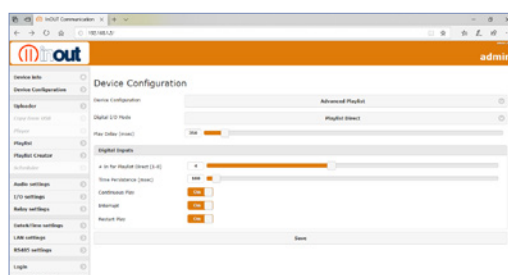
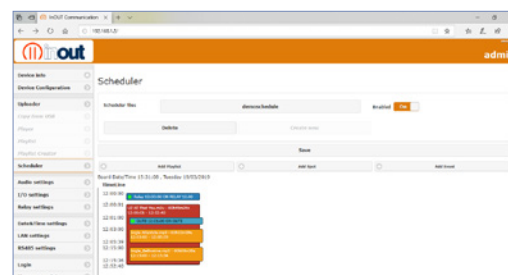
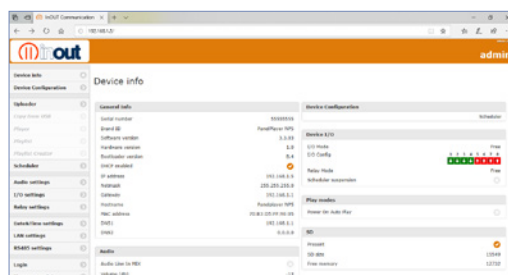
NP-5



- Audio Player with network capability
- Preamplified L+R stereo audio input for external music source with mixer function
- Preamplified L+R stereo output (0dB)
- Amplified stereo audio output 15W+15W/8ohm
- 8 logic on/off ports individually configurable as input or output
- Logic inputs for playlist or file activation or player control
- Logic Output for the simple control of external

devices

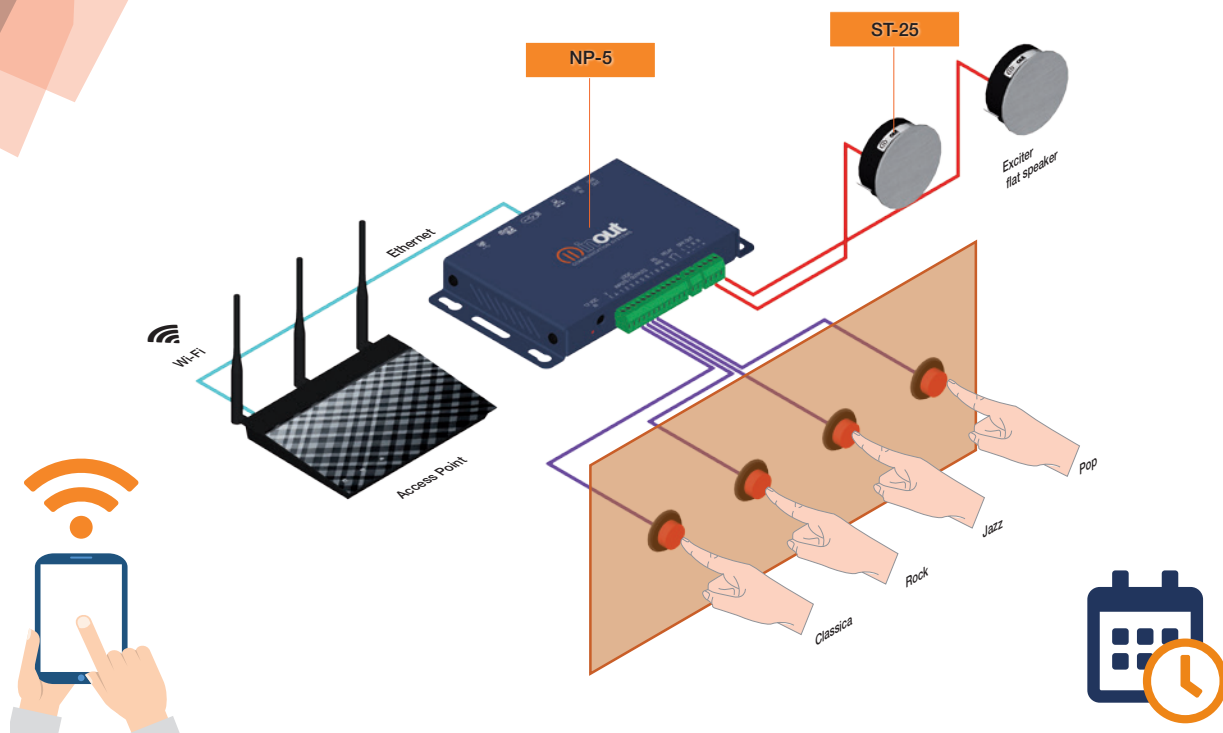
- Programmable relay output
- RS485 control port for remote control
- 1xUSB 2.0 type A connector device (host) for Flash pen drive
- 1 x MicroSD port (Content Storage)
- 1x Ethernet LAN 10/100 port for i/O configuration, 1 event schedule, track selection and remote control systems
- Main voltage 12 VDC PSU included



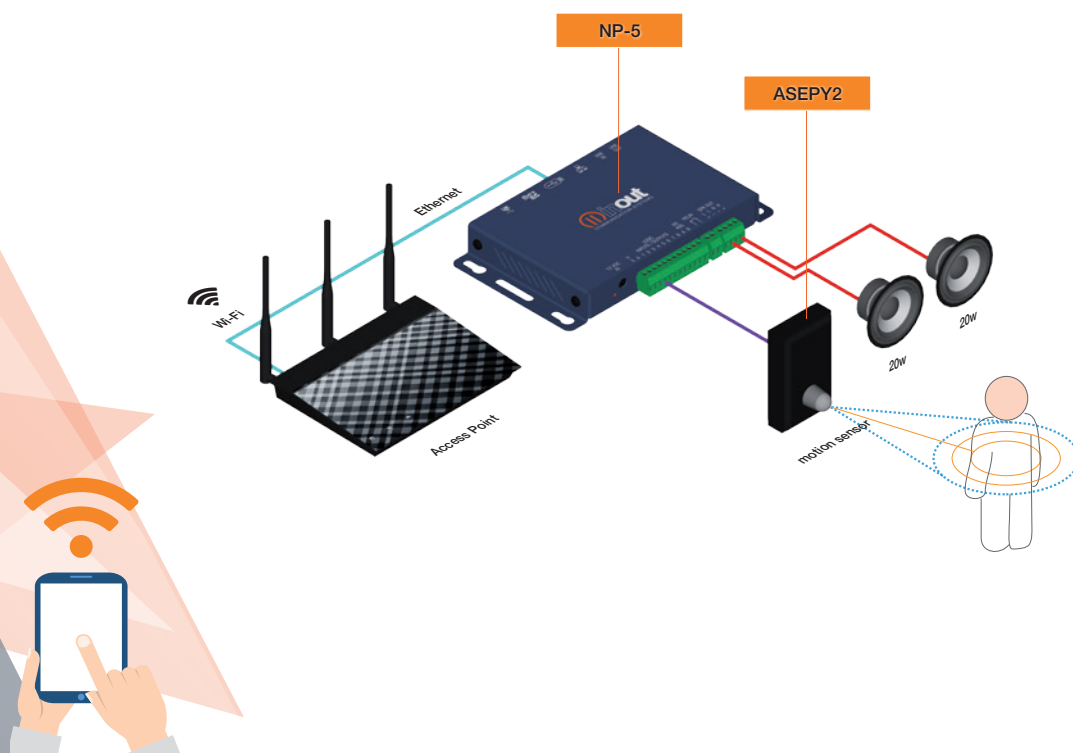
PLAYERS



Environmental Background selectable from synoptic panel



Interactive information point with 8 different messages playable through logical contacts

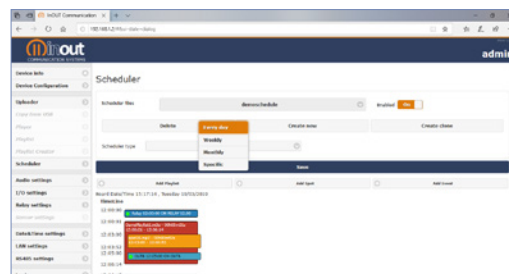
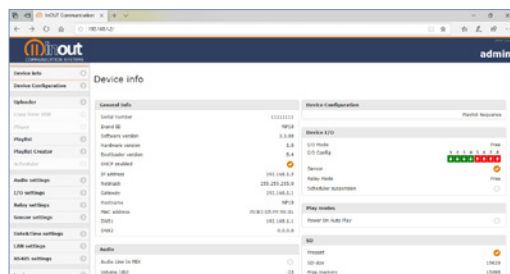


NP-10



- Audio Player with network capability
- Integrated WEB server for a complete configuration, playlist scheduling and firmware update
- Micro SD card Slot (FAT32), USB Port 2.0 to upload external files
- Internal clock (with battery backup and update via NTP)
- 8 logic ports independently configurable as input or output
- Programmable relay Output (NO/NC)
- Dedicated input for motion sensor
- Stereo input line with audio mixer function
- Stereo output unbalanced line
- Integrated Stereo amplifier 20 + 20w in class D
- RS485 Protocol for third party control
- Ethernet LAN Network port on RJ45 for remote control via TCP/IP
- Play, stop, skip forward/backward and volume adjustment buttons
- Power supply 12-24 VDC (included)
- Compact Design for surface installation

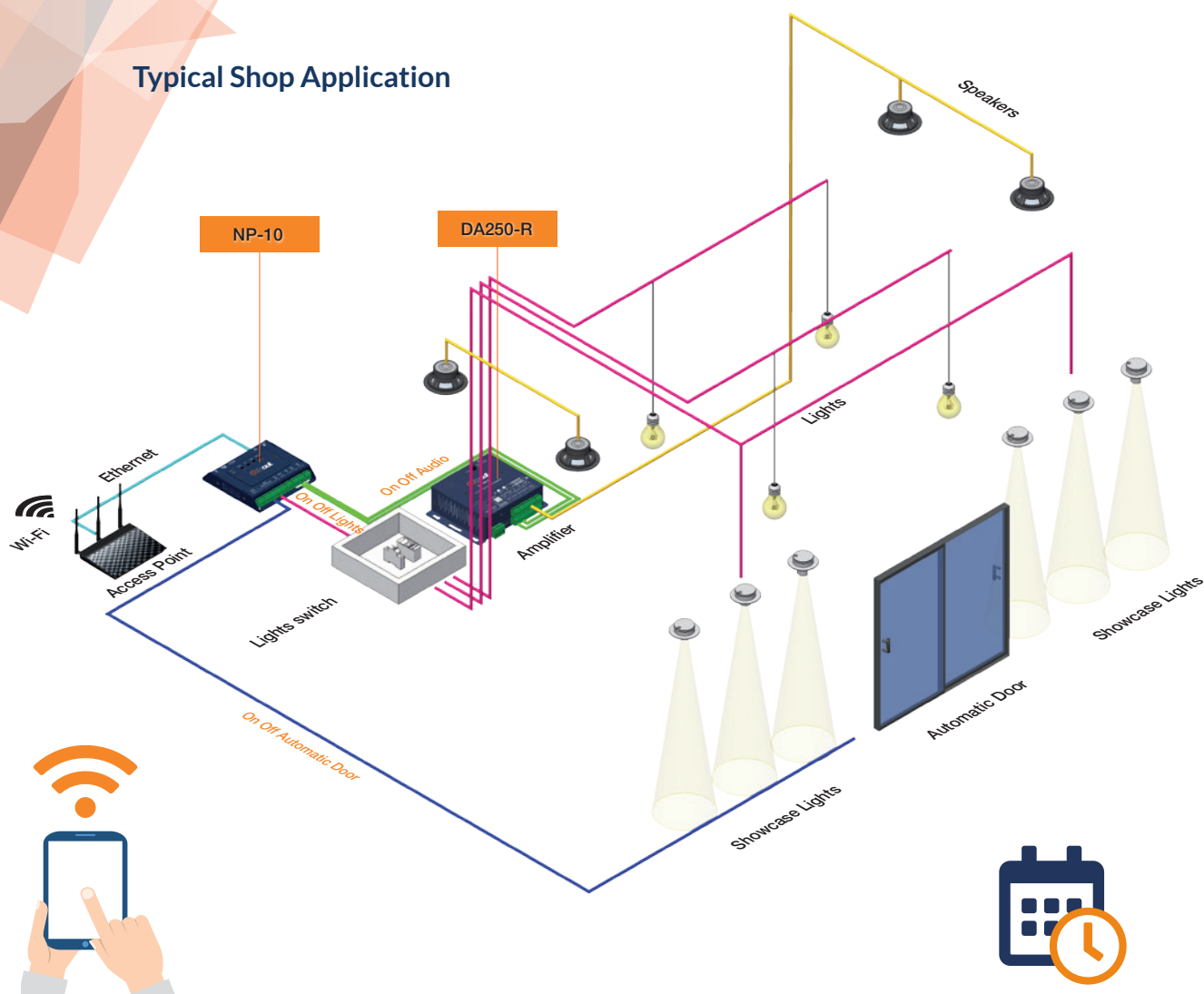
Web-based GUI (Graphical User Interface) to set and schedule playlist, update files and firmware.



NP-10

APPLICATIONS

Typical Shop Application

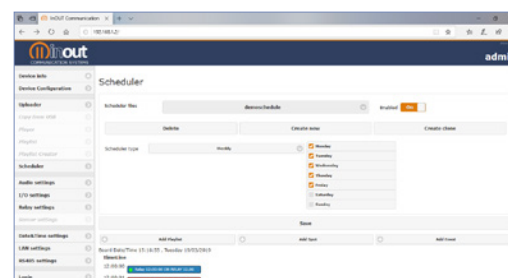
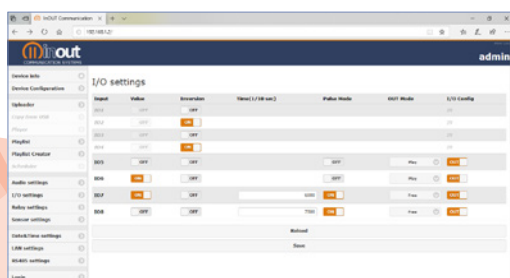


Scheduled On/Off control:

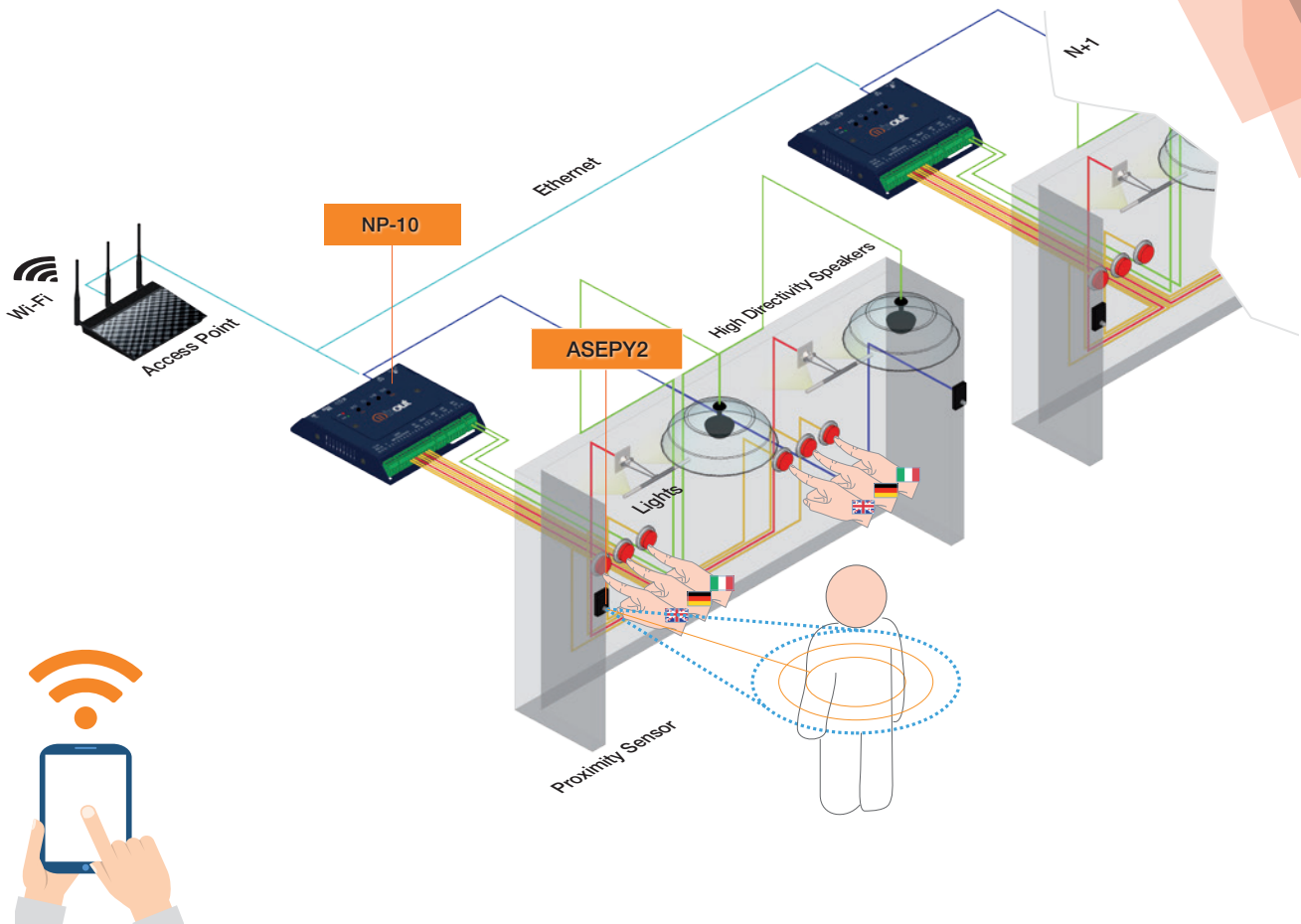
- Audio amplifier
- Mirror's lights
- Automatic doors

Schedule:

- Monthly/ weekly/daily schedule
- Ads loop
- Playlist / background music



Typical Museum Application

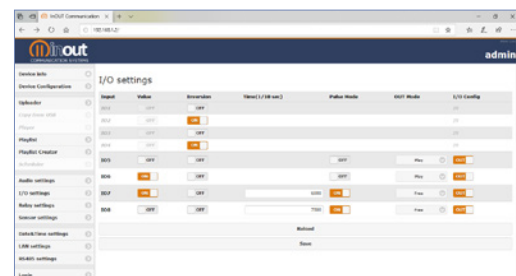
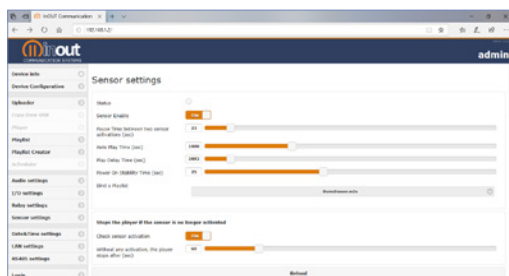


Web settings:

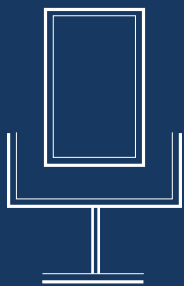
- Motion sensor
- People presence monitoring
- Playlist messages

Controllo On/Off :

- Light timer
- Control via tablet / smartphone



MICROPHONES



CAPTURE THE
ENVIRONMENT
IN EACH DETAIL



SM 1-P

SENSING MICROPHONE



- Industrial omnidirectional microphone
- Compact (40x 22x 96mm) and lightweight (80g)
- Phantom Power internal test button
- Frequency response: 90 Hz -15 KHz
- Sensitivity:-65.00 DB +/-2db @ 1 KHz
- Signal-to-noise ratio: 42db (A)
- Output level: 9mV (RMS)
- Phantom power: 9- 48 V olts
- Two sizes cable glands to facilitate installation
- Applications: ambient probe, recordings in large spaces, acoustic level surveys, recording of conversations

SM 1-LP

SURFACE MICROPHONE



- Industrial omnidirectional boundary microphone
- Compact (40x 22x 96mm) and lightweight (80g)
- Frequency response: 90 Hz -15 KHz
- Sensitivity:-65.00 DB +/-2 db @ 1 KHz
- Impedance: 200 Ω
- Signal-to-noise ratio: 42 dB (A)
- Max SPL: 122 (THD 1%)
- Output level: 850 mV (RMS)
- Power: 12VDC PSU
- Terminations: 4-seater screwable terminal
- Two sizes cable glands to facilitate installation
- Applications: recordings in large spaces, acoustic level surveys

EXCITERS



TO MAKE EVERYTHING
SOUNDS



ST-25

DINAMIC EXCITER



- Transforms the panel where applied in an invisible speaker
- For wooden surfaces, plastics, metal and composite materials
- Frequency response: 125-12khz (depending on the material and the geometry of the panel)
- Nominal impedance: 8 Ω
- Fixing with double-sided tape
- Connection cable 50cm not terminated
- Dimensions: height 26.2 mm, diameter 63 mm
- Weight: 140 gr

ST-30

DINAMIC EXCITER



- Transforms the panel where applied in an invisible speaker
- For wooden surfaces, plastics, metal and composite materials
- Power: 30 W
- Frequency response: 80-16khz (depending on the material and geometry of the panel)
- Nominal impedance: 4 Ω
- Fixing with double-sided tape or self-tapping screws 3.5 mm
- Connection cable 50 cm, not terminated.
- Dimensions: height 45 mm, diameter 79 mm
- Weight: 210 g

UTILITIES

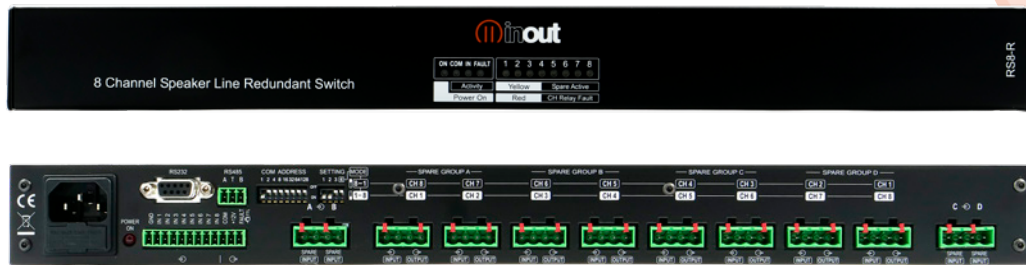


CREATE COMPLETE
INTEGRATED SOLUTIONS

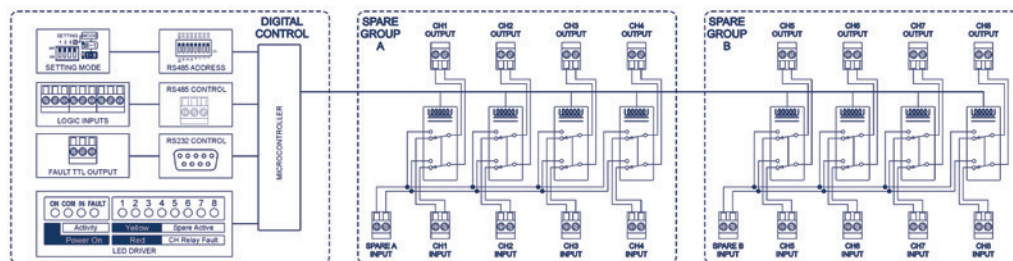


RS8R-MKII

8 CHANNEL SPEAKER LINE REDUNDANT SWITCH

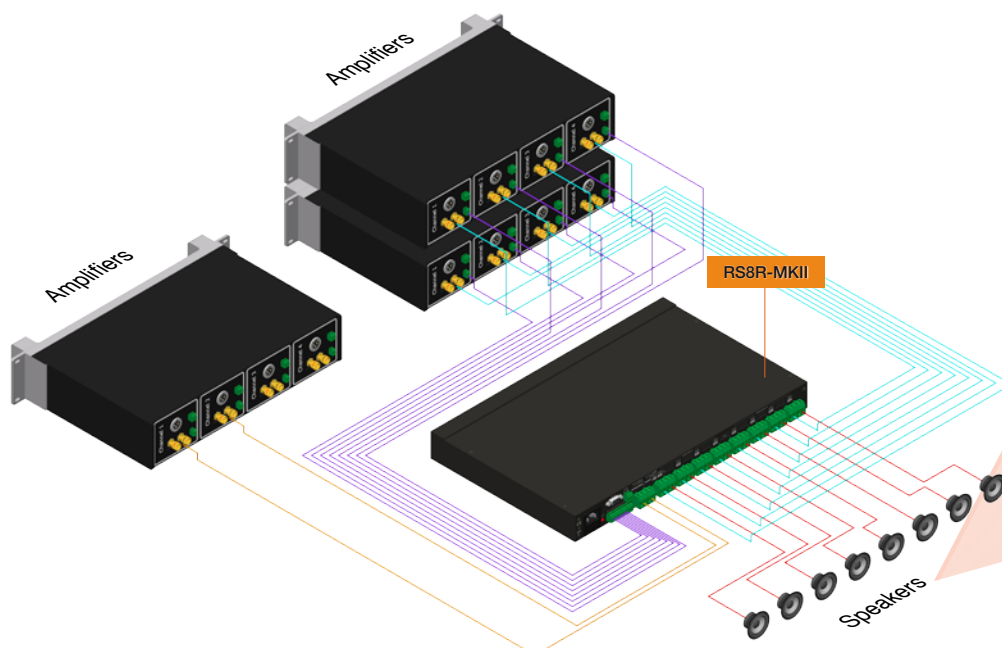


- 8 Switching Lines: 1- 4 inserting on SPARE A, 5 - 8 inserting on SPARE B
- Max power for 4 - 8 ohms lines amplifiers: 600 watts
- Max power for 70 - 100V lines amplifiers: 800 watts
- Control: RS-232, RS-485, 8 opto-isolated logic contacts
- Frontal LEDs: power ON/OFF, internal fault, backup line activation, relay switching fault, RS-232 and RS-485 communication
- Dielectric strenght: 4kV
- Dimensions: 45x440x170mm (1 unit rack)
- Weight 1, 9kg
- Power supply integrated



APPLICATIONS

Amplifiers Backup System



ACCESSORIES



RM-30

Rack mounting bracket 19", to install 2 devices 1/2 rack unit.

Blue.



FP-30

1\2U 19" rack filling panel, to be used with RM 30 when only 1 unit needs to be rack mounted.

Blue.



ASE-PY2

Passive Infrared Sensor, to be used for any kind of player automation. Any movement in front of it generates a command to the player. It comes with 5m cable and requires 12VDC (provided by the player).



APP-02 EK

NP-10, Panel, DIN Player, 85-264VAC, 24VDC\40W PSU with EU\UK adapters.



APP-05 EK

NP-5, 85-264VAC, 24VDC\40W PSU with EU\UK adapters.



APP-03 EK

NP-2, 85-264VAC, 24VDC\40W Din Mountable PSU.



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