### INTERACTIVE SYSTEMS





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

Choosing InOut technologies means relying on over twenty years of excellence and ambitious research into rase 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.

## À IVI PLIEIERS



#### 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 powerClass 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 @ 4 Ω 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"

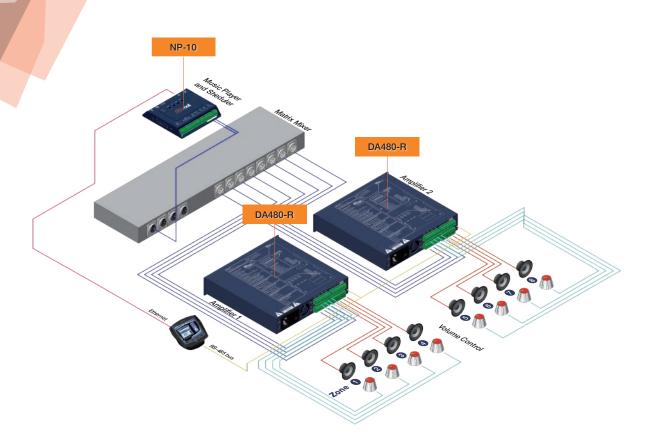
#### APPLICATIONS

# Soundround 5.1 configuration



#### Generic paging system with costant voltage speaker lines

**DA-**480R



À Ñ PLITI

#### **AT**-480R

#### 4 CHANNEL AUDIO TRANSFORMER

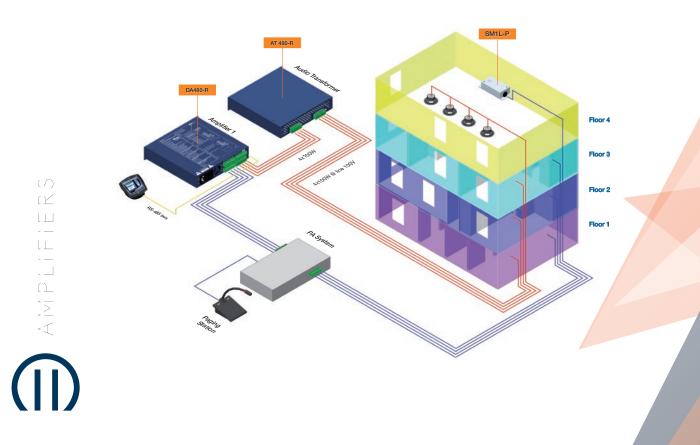


- Versatile and reliable multichannel audio transformer
- Slim Design, ultra compact chassis for multizone applications
- High-bandwidth toroidal transformers, low distortion, with galvanic isolation between audio inputs and 100v outputs
- Low impedance balanced audio inputs

- 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 costant voltage speaker lines



#### **DA-250P**

#### 2 CHANNEL POWER AMPLIFIER



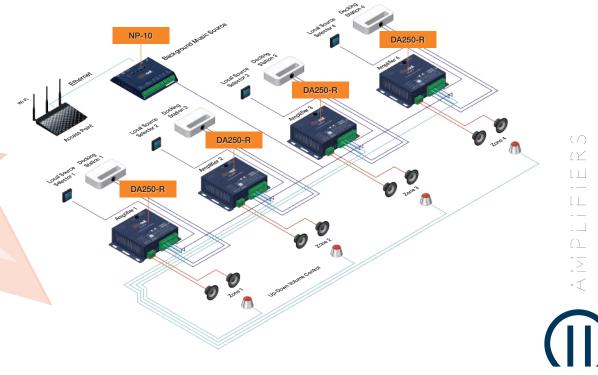
- Versatile and reliable two-channel amplifier with SMT technology
- Very low noise and distortion level at any power
- Class D power amplifiers with very low thermal dissipation
- Volume adjustment via VCA channel
- Circuit protection against DC, subsonic frequencies, short circuits, high temperatures 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@8Ω
- Speaker Load: 4 to  $16\,\Omega$
- 110-230Vac mains power supply on IEC 320 C5 plug

#### APPLICATIONS

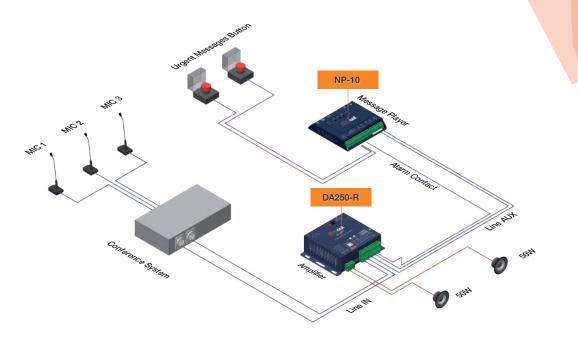
#### Background music and selectable ads with centralized control for multi-room applications



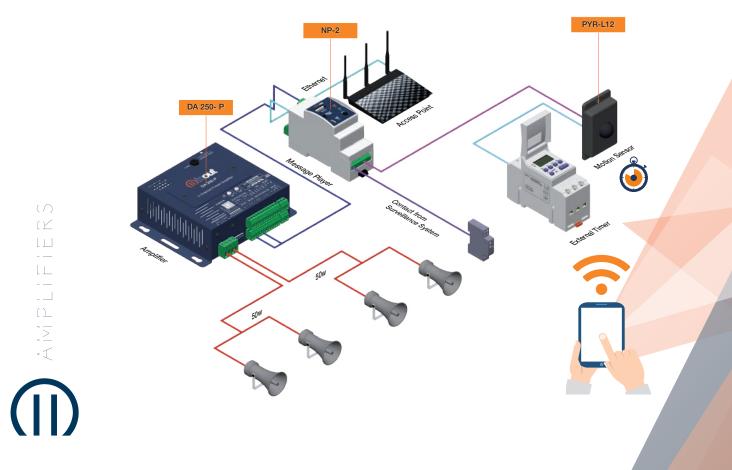


#### APPLICATIONS

#### Conference room and allerts from a security point



#### Playback of pre-recorded messages for video surveillance system Message playlist activated by motion sensor



## PLAYERS



#### CREATE THE RIGHT SOUND TO ENGAGE THE LISTENER







- Audio Player with network capability
- Preamplified L+R stereo audio input for external music source with mixer function
- Preamplified L+R stereo audio output (OdB)
- 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

A I destate		• *			
< > 0 A	C.	P.9 (P.9.1.2)			1.4 4.2 6
()) nou	t				admir
House also House Carlynaises	0.0	Device info			
water	0	Council Sele		find - failpeales	
CORP. NORTHERN		******	****		Park a
		and a	- TO BOAT PEAK		
		de La ne consent	112	Search/D	
		Laboration in the	10	101 Par 2	
		ace order twelve	u-	10.0.47	
Skindale:	Ð	2401 x widen	0	141 - 14 - H	F
coatio arritone		TART	D2 05.1	wither der eusperation	
	1	240-Miles	10.10.11		
bil sollings		A disease	12.135.1.1	-im/modes	
Refers suffrages	Ð	Tel a bes	100000	The star and the	
states they perform		1918	12 19 11		
1 CH INTING	8	174		50	
				A set	0
sorres excises	0	Ando		70	2.15
Lodia	8	on de altre et mon	0		1-32
- Income and inc	- 01	244 mile (183			

A . I di scatta e a	Called Art Inc.								11 2
< > 0 n	C PD 051205 - America						\$ ·	4 2	<b>e</b> -
()) out	t							2	Idmi
Barrah Barringenin	Player								
water foot up a	0 Vier NT(5)	M							_
Itne	E		_		**				8
	zan der dar rede and dar		DARK, MP3		-	- 0			
13.3433			New No.		0.1	er Fallylinis hen da	-		
outle antique (et sufficies	0			Joes					0
Nony vallage	© - 7250209100-0625-0								0
and the section	0								10
icina extince	0								
Lodia	B							16:10	

A . O Marcallan									11 Z
< > 0 n	C.	P5 P5 (2)			1	ŵ	÷.	4	E
	rt							8	dmin
lanunlu lanutudgendum	0	Device Configuratio	n						
wisse	0	To do Co b adda		Advand Says					0
CCEP TOOL LINE		ofenal allo more		alkary code					6
Inc	8	Play unlike trained	24						_
		Tail-Hapits							
6.546.6		FLAR BASING TH							÷.
natio antina (11 ordina) Refer ordina)	0 0	time version of three? On the section is a result.							
extension and an		9-11 e	<b>U</b> 1						
AND IN CASE	8								
cres water	0								
Lodia	8								
Income sedan	0								

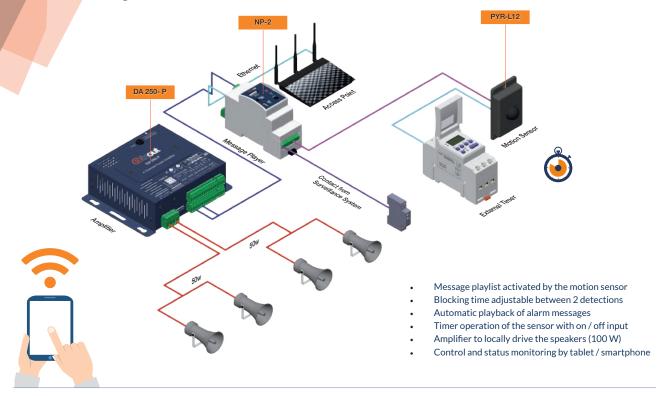
a i di sectore		-										•
\$ 5 0 0	0	PD 145 12-							1.9	1	2	E.
	t										80	Im
Baavabi Baavbalgestee	0 8	1/0 s	ettings									
uslaster	0	<b>3441</b> 202	3.4ke	Texe roles	Ter(1/01/m)		Fals-Hedr	ALL R. P.		1/00+	**	
Lees See Les	0			1.00								
	0	A5.6		248								
				20								
Abert:		214				1.10	31			-		
and true of texts	0	H2B	141	20				1 44 York	0	9.0		
till sellings	8	12.5	- 141	2.00			- 48	B. Chiler		0.0		
Nony vellage	Ð	+18	MI			105	91 🛐	14	0	901		
souther series as	0						2					
LAN NUTLES	8											
IC-ING another	0					2.00	•					
Loda	8											
I Imperent suctors	- 01											

Г Т Г Д

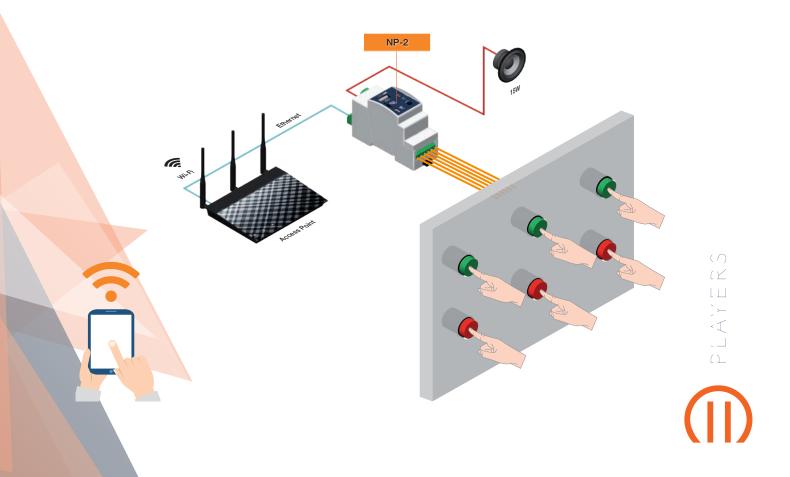
Web-based GUI (Graphical User Interface) to set and schedule playlist, update files and firmware.



#### Playback of pre-recorded messages for video surveillance system Message playlist activated by motion sensor



#### Synoptic Panel with audio messages





- Audio Player with network capability
- Preamplified L+R stereo audio input for external music source with mixer function
- Preamplified L\*R stereo output (OdB)
- 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 selectionand remote control systems
- Main voltage 12 VDC PSU included





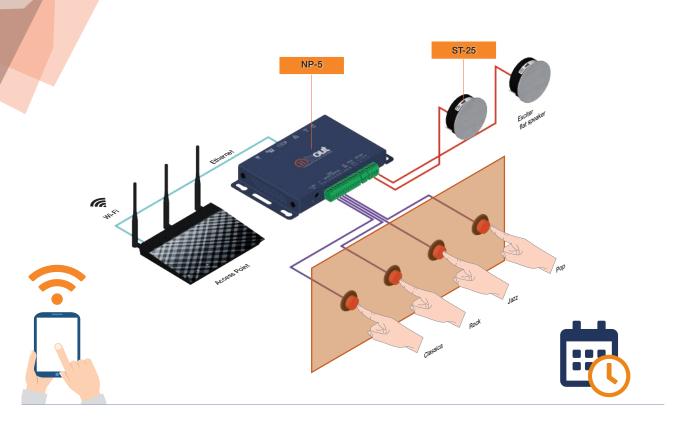
A I distante		• X •				
< > 0 h		PD 185 ( 4)			1.50 5	2 B
()) nou	rt					admi
loau ah Ioau balgenius	0 0	Device Configurat	noc			
wisse	0	To do Co badha		Jakan of Naylol		0
CEP SOLITIST		where the states		Hard as a lines		0
bon.		Pay offer (march	24			_
Realist Darwins	0	The alloyed s				
diam'n a start		FIGH NUMBER D	4			
vadio anti sua (viti sollings 6 dep sollings	000	tine verdenne (mes) Gedensesties General	••• •			
souther setting	0	seall e	943			
AN INCOM	8			A		
ores author	0					
ada	8					
improve under						

an <mark>a</mark> nana. Coba		1000							1.4	÷	n E B
()) nou	t										admi
Barrah Barrahan	0 0	1/0 s	ettings								
water	0	5441 302	2.4	Incered as	Tes(Lift set)		Para Pad-	017.044		1000	• • •
Aces See use		314		-							
Real	8	454	1.00	241							
Read Dealer		104	2 <sup>48</sup>	241						38	
43444	1	***	100	2.00		ar.				-	
evadio anti sua	0	P2B	541	241			541	Torrenda has	0	561	1
tell sellings	8	102	-	241				Eller Rev		540	
Ndry valleys	Ð	+18	un 💿	-		- 18	See 1	1	0	341	1
u posta a fina anti a su Local anti a su	0						Related				
ICHING BACKING	0						ter				
Look	8										
I Imperent Ladore	0										





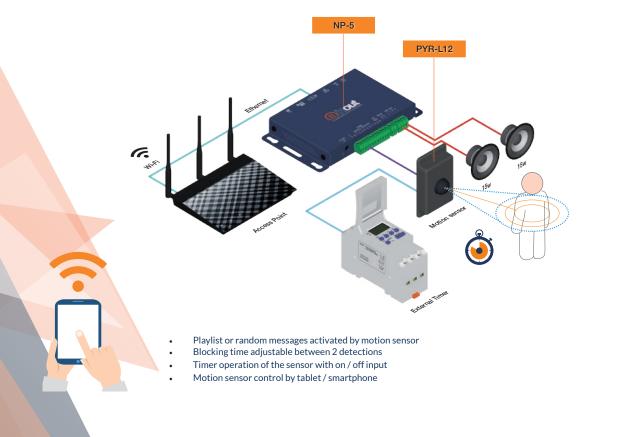
- (



#### Environmental Background selectable from synoptic panel

**NP-**5

Interactive information point with 8 different messages playable through logical contacts







- 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

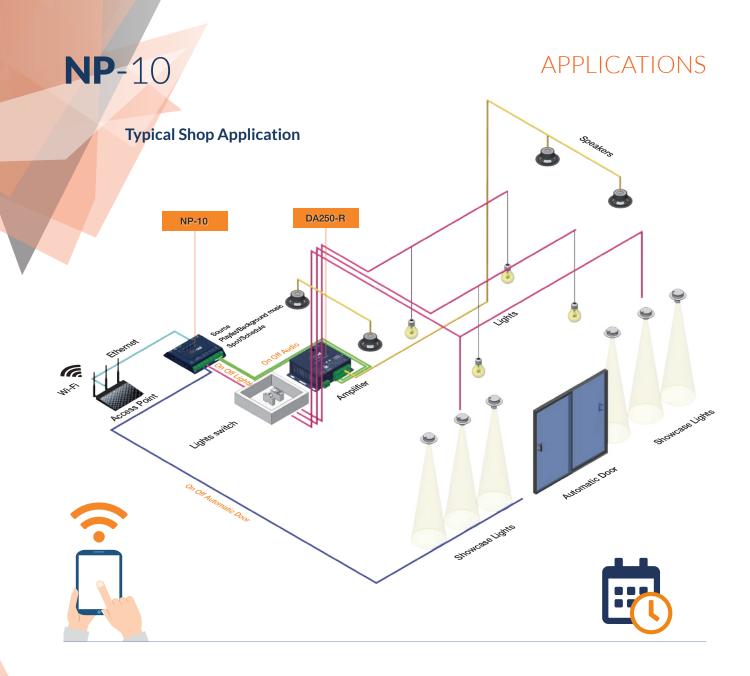
- Stereo input line with audio mixer function
- Stereo output unbalanced line
- Integrated Stereo amplifier 20 + 20w in class D
- RS485 Protocol for third party control
- Ethernet LAN Network port on RJ45 for remote control via TCP/IP
- Play, stop, skip forward/backward and volume adjustment buttons
- 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.

A - I de seu lise		• * *		
< > 0 A		P5 05 17		1.4 4.2 8 1
()) OL	ţ			admin
lose such		Device info		
Insurfragentian	8	Device Into		
waterie	0	Council See	Secker Cashperlan	
CEP. SOCI 155		Access (1971)		R philip para
		uned as		
Smb-J	8	de Lane aven 11		
		(Laboration of Laboration of L		be a
Sealed Desire	0	ucor order tamion	10.04	
diam's a		Debt v wiewi		
water and the		T. 441 12 141		
ATER TALLE T	- 0	SEPHERC and	alast annas	0
off sollings.	- 63	0.4 wy. 10.4004	And a start	
they willing a	Ð	IOTTATIO SY		
trans willings	6	The action of the second secon		
		5850 02.00.0		
souther setting	8	2334 0000		
AN INTERN			w	
		ado	August .	0
Of the other	0	and a dealer in more	WITH .	10620
Lodia		24 m x ( 83		1977-

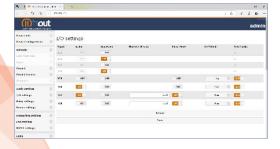






#### Scheduled On/Off control:

- Audio amplifier
- Mirror's ligts
- Automatic doors



#### Schedule:

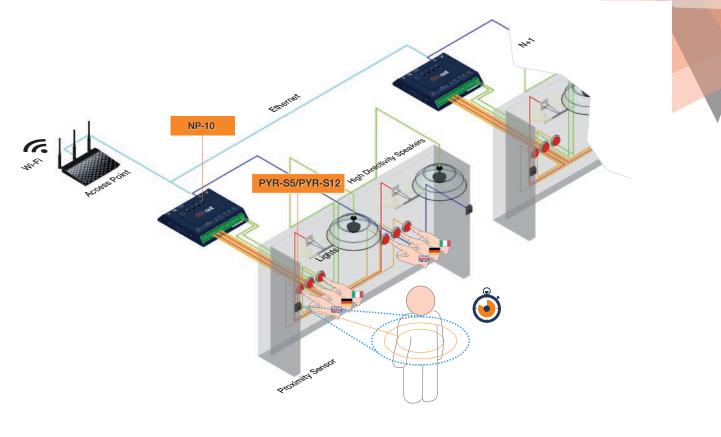
- Monthly/ weekly/daily schedule
- Ads loop
- Playlist / background music

(m)												Bertin Bart
	5										8	admin
Baarada Baardadgadaa	0	Scheduler										
winster	0	schollerfile			dana yakake			0	Event III			
Acces for use			lbåde			Combone .	-			Crubride		
Angle I Angle I Groups		31+ 4 · h+		Valle			Hercar					
Shindaba	Ð						no densire, in only					
wale arriver	0					5	N 14-					
Non-sullage	Ð					13	a sta					
						ter						
un presidente a service con	8	0	4.449 (per		0	141.0			0	-		
LAN NUTLES	0	Inedae Laxed	4 44 Ten in 1971									
Lode	0	12741										



#### APPLICATIONS

#### **Typical Museum Application**





∑ − ↓ ↓ ↓

#### Web settings:

- Motion sensor
- People presence monitoring
- Playlist messages

#### Controllo On/Off :

- Light timer
- Control via tablet / smartphone

A I distante									-	1
< > 0 h		PD 05 (2)					1.16	1 4	E.	
()) ol	ţ								adn	ıln
Bancalı Banchalgenican	0	Sensor settings								
waster	0									
ACEP 5001 555		See 54-	144							
Argon.		A Check and a second		-						
Real-J Denter	0	out the diversed	187		-				-	
diaman .		No. Do in This is it.	195	-						
watto servines	0	over or cooliny invelted	A							
bill settings	8	Section Sector				1.1000-11110-10			0	
Non-willings	Ð									
Renar sellings	Ð	Supplie place little susperso		í.						
sectors are sectors	8	shed sense ashedoe	-							
LAN INTERN 19425 Settings	0	without an activation in a financial constraining of the	и					-	-	
Lada					-					



## 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

SURFACE MICROPHONE

#### SM 1-LP

22

11 (1



- 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



- 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:  $4 \Omega$
- 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



**DINAMIC EXCITER** 

## 

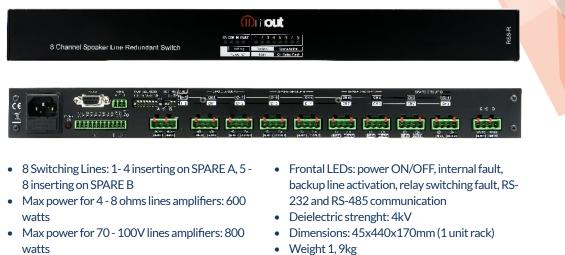


#### CREATE COMPLETE INTEGRATED SOLUTIONS

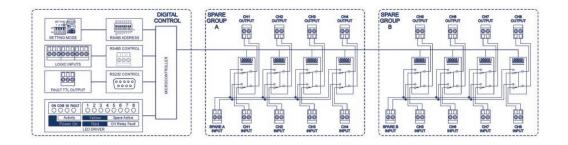


#### RS8R-MKII

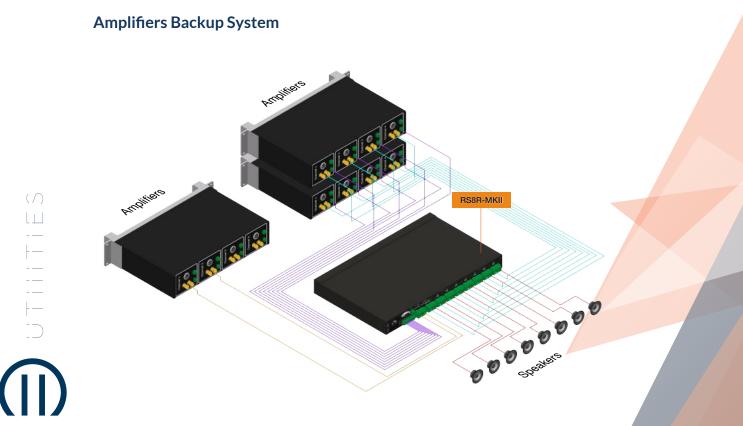
#### 8 CHANNEL SPEAKER LINE REDUNDANT SWITCH



- Control: RS-232, RS-485, 8 opto-isolated logic contacts
- Weight 1, 9kg
  Power supply integrated



#### APPLICATIONS



#### 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.



#### **PYR**-S5

Passive infrared motion sensor with max. 5mt., pos/neg TTL outputs, adjustable delay time max. 10 sec., blocking time between 2 detections adjustable max.13 sec., external on/ off input, 5-24VDC power supply. Available in white (PYR-S5/W) or dark gray (PYR-S5/D) colors. Suitable for NP-10, NP-5, NP-2 players.



#### **PYR**-S12

Passive infrared motion sensor with max. 12mt., pos/neg TTL outputs, adjustable delay time max. 10 sec., blocking time between 2 detections adjustable max.13 sec., external on/ off input, 5-24VDC power supply. Available in white (PYR-S12/W) or dark gray (PYR-S12/D) colors. Suitable for NP-10, NP-5, NP-2 players.



#### **PYR**-L12

Passive infrared motion sensor with max. 12mt., relay contact outputs No/Nc, adjustable delay time max. 1min., blocking time between 2 detections adjustable max.12min., external on/off input, power supply 5-24VDC. Available in white (PYR-L12/W) or dark gray (PYR-L12/D) colors. Universal application.



#### **APP-**02 EK

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



#### **APP**-05 EK

NP-5,85-264VAC/12VDC 30W PSU with EU\UK adapters.



#### **APP**-03 EK

NP-2, 85-264VAC/12VDC 15W Din Mountable PSU.





Via Nobel, 10 • 30020 Noventa di Piave (Venezia) • Italy Tel. +39 0421 571411 • Fax +39 0421 571480 www.inout-digital.com • info@inout-digital.com