

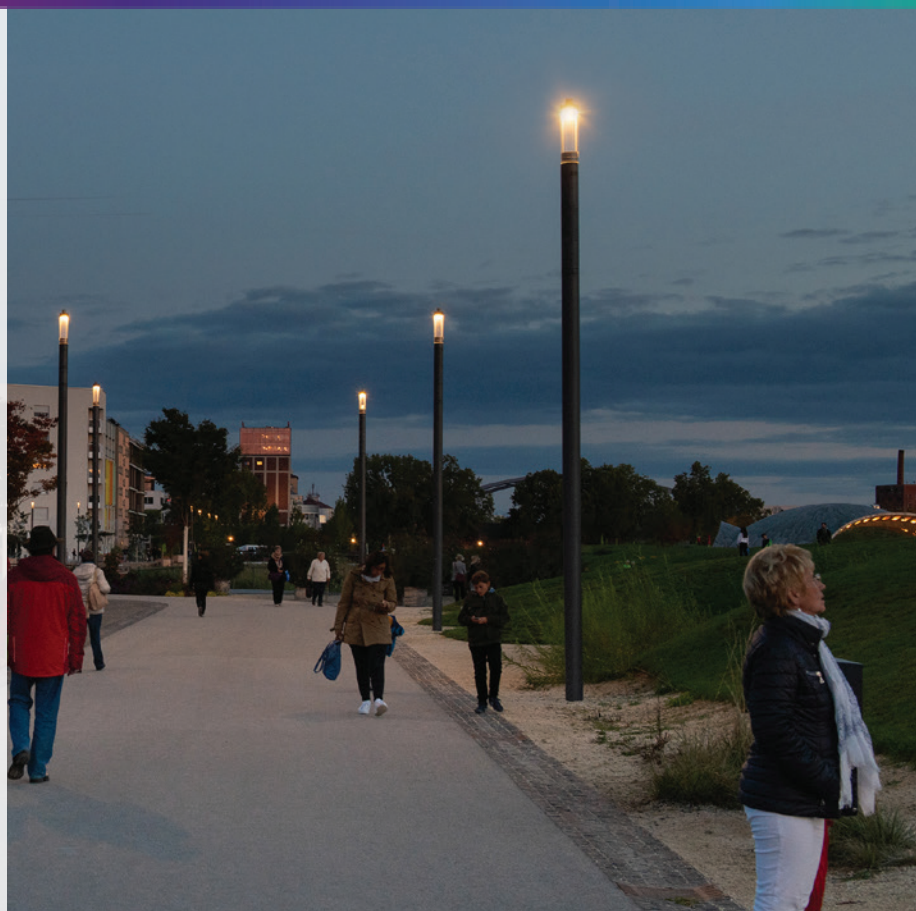


SHUFFLE SPK GEN2

SHUFFLE is a connected, modular approach to city hardware - with its plug-and-play rotatable modules that contain pre-certified hardware, it can be configured to suit your specific needs.

KEY ADVANTAGES

- > **Seamless integration in the SHUFFLE column**
- > **Vandal-proof design to protect the hardware**
- > **Easy installation with patented mounting system**
- > **Analogue and digital loudspeakers available**



The SHUFFLE SPK GEN2 module offers the possibility to seamlessly add sound into the column.

The versatility of this module suits an array of use cases like ambient music, public service announcements, warnings or even emergency management. Both analogue and digital loudspeakers are available.

Modules are made of high-grade, high-pressure die-cast aluminium and feature a new aluminium mask design. This mask complements the cylindrical shape of the module, providing a clean, streamlined appearance. Stainless steel fasteners ensure full protection against the elements. The entire module is then finished with a polyester powder coating, available in a variety of colours, offering endless possibilities.



SHUFFLE SPK GEN2 | CHARACTERISTICS

KEY FEATURES

- >

Professional sound system
- >

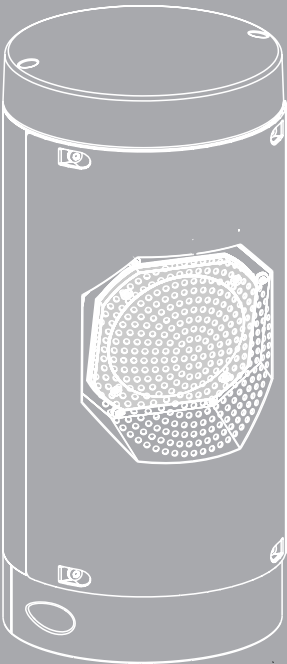
Frequency range: 90 - 19,000Hz
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Full range speaker with dual cone
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Perfect sound - up to 25W power output
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Weatherproof / adapted to indoor and outdoor applications
- >

Digital connected network speaker

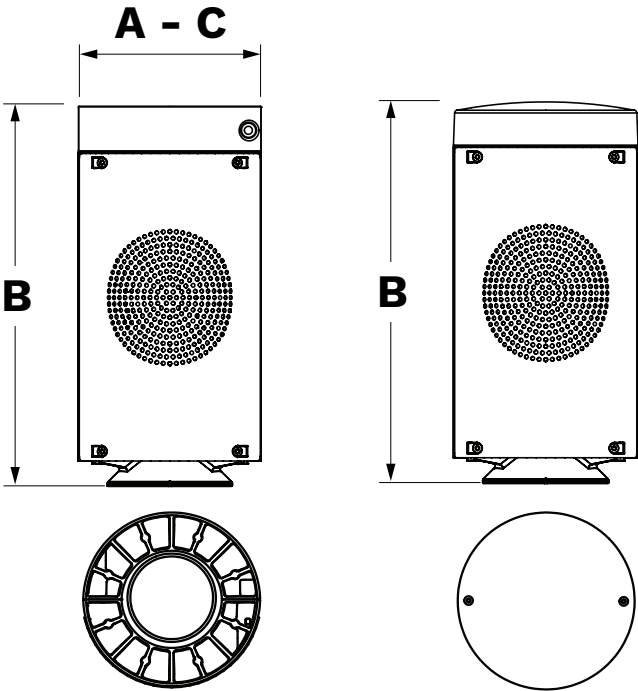


COMPARISON TABLE

	Analogue loudspeaker	Digital loudspeaker	Digital loudspeaker
	SH18S2-NP	SH18S2-S8	SH18S2-NQ
Frequency range	90 - 19000Hz	90 – 19000Hz	90 – 19000Hz
Sound pressure level (1W/1m)	90dB	90dB	90dB
Max. power rating	25W	25W	15W
Ethernet connection	No	Yes	Yes
Internal amplifier	No	Yes (Digital Acoustics)	Yes (AXIS)

DIMENSIONS AND MOUNTING

AxBxC (mm inch)	194x403x194 7.6x15.9x7.6
Weight (kg lbs)	6.1 13.4
Aerodynamic resistance (CxS)	0.08
Mounting possibilities	Clamps



SHUFFLE SPK GEN2 - SH18S2-NP | CHARACTERISTICS

GENERAL		LOUDSPEAKER	
Recommended installation height	2.3m to 6.8m 7.5' to 22.3'	Frequency range	90-19000Hz
CE mark	Yes	Transmission method	100V
UKCA certified	Yes	Sound pressure level (1 W/1 m)	90dB
UL Mark	No	Power rating (RMS)	25 / 20 / 12 / 6W
ROHS compliant	Yes		
HOUSING AND FINISH			
Housing	Aluminum		
Protector	Polycarbonate		
Housing finish	Polyester powder coating		
Standard colour	AKZO grey 900 sanded		
Tightness level	IP 66		
Impact resistance	IK 10		
Ta	-0°C to +40°C -32°F to +104°F		
ELECTRICAL			
Electrical class	Class I EU, Class II EU		
SHUFFLE			
SHUFFLE Pole model	1 door 2 doors same side 2 doors opposite 3 doors		
SHUFFLE Components	Mains box		
	Support plate		
	Loudspeaker cable		
Position on pole	Any position		

SHUFFLE SPK GEN2 - SH18S2-S8 | CHARACTERISTICS

Digital Acoustics

GENERAL		CONNECTED SPEAKER AND AMPLIFIER	
Recommended installation height	2.3m to 6.8m 7.5' to 22.3'	Rated power	25W
CE mark	Yes	Frequency range	90 - 19000Hz
UKCA certified	Yes	Nominal impedance Z	8Ohm
UL Mark	Yes	Sound pressure level (1 W/1 m)	90dB
ROHS compliant	Yes	Opening angle (-6 dB)	64°/4000Hz
HOUSING AND FINISH		Resonance frequency fs	190Hz
Housing	Aluminum	Magnetic induction	1,0T
Protector	Polycarbonate	Magnetic flux	190Wb
Housing finish	Polyester powder coating	Network protocols	TCP, UDP, RTP, SIP, ICMP, IGMP Multicast
Standard colour	AKZO grey 900 sanded	Network interface	10/100 Base-T Ethernet, Auto-MDIX
Tightness level	IP 66	Network ports (RJ 45)	2
Impact resistance	IK 10	Core technology	ICC-512 50 MIPS System on a Chip
Ta	-30°C to +70°C -22°F to +158°F	IP address assignment	Static, DHCP
ELECTRICAL		Transport bandwidth	Nominal 64kbps (Voice)
Electrical class	Class I EU, Class II EU, Class 1 UL	Audio protocol	8-bit PCM/G.711 uLaw
SHUFFLE		Audio latency	<200ms Auto-Adaptive
SHUFFLE pole model	2 doors same side 3 doors	Amplifier type	Class D, Balanced Transformerless
SHUFFLE components	Mains box Beyond light supply box	Connection modes	TalkMaster™ Focus Endpoint
	Support plate network		SIP 2.0 Endpoint
	Network cable		Hybrid TalkMaster™ Focus/SIP 2.0 Endpoint
Position on pole	Any position		Direct Mode
			Singlewire Informacast

SHUFFLE SPK GEN2 - SH18S2-NQ | CHARACTERISTICS

AXIS

GENERAL		CONNECTED SPEAKER AND AMPLIFIER	
Recommended installation height	2.3m to 6.8m 7.5' to 22.3'	Rated power	15W
CE mark	Yes	Frequency range	90 - 19000Hz
UKCA certified	Yes	Nominal impedance Z	8Ohm
UL Mark	pending	Sound pressure level (1 W/1 m)	90dB
ROHS compliant	Yes	Opening angle (-6 dB)	64°/4000Hz
HOUSING AND FINISH		Resonance frequency fs	190Hz
Housing	Aluminum	Magnetic induction	1,0T
Protector	Polycarbonate	Magnetic flux	190Wb
Housing finish	Polyester powder coating	Network protocols	Pv4/v6b, HTTP, HTTPS, SSL/TLS, QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, NTCIP, SIP (Cisco, Avaya, Asterisk)
Standard colour	AKZO grey 900 sanded		
Tightness level	IP 66		
Impact resistance	IK 10		
Ta	-30°C to +70°C	Network interface	10BASE-T/100BASE-TX PoE
	-22°F to +158°F	Network ports (RJ 45)	1
ELECTRICAL		Core technology	i.Mx 6SoloX
Electrical class	Class I EU, Class II EU, Class 1 UL (pending)	IP address assignment	DHCP
SHUFFLE		Transport bandwidth	MP3 in mono/stereo from 64kbps to 320kbps
SHUFFLE pole model	2 doors same side 3 doors	Audio protocol	AAC LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Axis u-law 16 kHz, WAV
	Mains box Beyond light supply box	Connection modes	AXIS Audio Manager Edge (Built-In and free), AXIS Audio Manager Pro (optional, Paid) and AXIS Audio Manager Center (optional, Paid)
SHUFFLE components	Support plate network		
	Network cable		
Position on pole	Any position		