



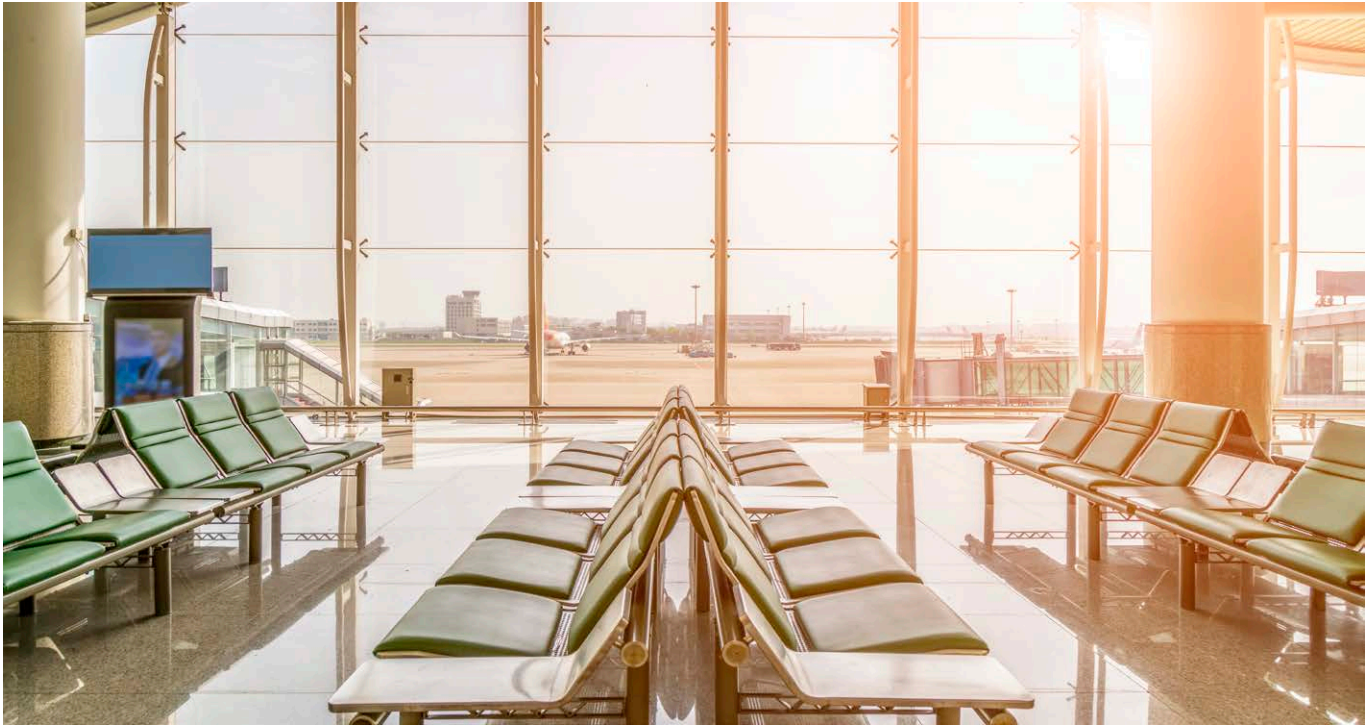
LOUDSPEAKER CATALOGUE

Pro Sound Quality & Acoustic Experience



LOUDSPEAKERS

4	Ceiling
17	Projector
20	Horn
25	Column
26	Wallmount
36	Spherical
37	Cabinet
42	Active
43	IP Network



With over 40 years' experience in the design and production of high quality Public Address and Voice Alarm (PA/VA) Systems, we propose an extensive range of loudspeakers certified to the EN 54-24 standard.

They provide excellent speech intelligibility and frequency response, making them the perfect answer to all type of your applications: speech as well as music reproduction and emergency alarm systems.

Thanks to our extensive line of models we offer you a solution that matches your needs.



RCS Series

Round Metal Ceiling Loudspeakers



FEATURES

- Excellent reproduction of speech and music
- High acoustical performance
- Elegant and discreet design
- Simple installation

APPLICATIONS

- Hotels
- Restaurants
- Offices
- Train stations
- Bars
- Retails
- Administrations

TECHNICAL CHARACTERISTICS

	RCS 3/T	RCS 4/T	RCS 5/T	RCS 6/T	RCS 8/T
Tapping 100 volts line, watts	6/4/2	4/2/1/0.5/0.25	6/3/1.5/0.75/0.25	6/3/1.5/0.75/0.25	10/5/2.5/1.25
Effective frequency range, Hz	100 - 20,000	130 - 18,000	70 - 17,500	65 - 18,500	65 - 17,000
SPL @ 1 m, 1 watt, dB	87	84	94	95	94
SPL @ 1 m, full power, dB	94	90	102	103	104
Dispersion at 1k/2k Hz, degrees	180/180	180/180	180/180	180/110	180/110
Dimensions, mm	104,5 x 85	132 x 93	189 x 110	239 x 110	280 x 110
Cut-out, mm	85	119	160	190	238
Colour	White RAL9016	White RAL9016	White RAL9016	White RAL9016	White RAL9016
Material	Steel	Steel	Steel	Steel	Steel
IP-rating	21	21	21	21	21
EN 54-24 compliance	No	No	No	No	No
Back cover	No	No	No	No	No

RCS Series

Round Coaxial Metal Ceiling Loudspeakers



FEATURES

- Excellent reproduction of speech and music
- High acoustical performance
- Elegant and discreet design
- Two way speaker
- Simple installation
- Back cover

APPLICATIONS

- Hotels
- Restaurants
- Offices
- Train stations
- Bars
- Retails
- Administrations

TECHNICAL CHARACTERISTICS

	RCS 5/TCOAX	RCS5FTCX/EN	RCS 6/TCOAX	RCS6FTCX/EN	RCS 8/TCOAX	RCS8FTCX/EN
Tapping 100 volts line, watts	10/5/2.5/1.25	10/5/2.5/1.25	10/5/2.5/1.25	10/5/2.5/1.25	20/10/5/2.5	20/10/5/2.5
Effective frequency range, Hz	70 - 18,500	130 - 18,500	65 - 20,000	130 - 18,500	60 - 20,000	100 - 20,000
SPL @ 1 m, 1 watt, dB	91	90	91	92	91	94
SPL @ 1 m, full power, dB	101	100	101	102	104	107
Dispersion at 1k/2k Hz, degrees	180/180	175/136 Horizontal 175/97 Vertical	180/180	164/144 Horizontal 164/143 Vertical	180/100	159/76 Horizontal 159/81 Vertical
Dimensions, mm	189 x 110	189 x 115.7	239 x 110	239 x 115.7	280 x 110	280 x 112.8
Cut-out, mm	160	164	190	200	238	246
Coloris	White RAL9016	White RAL9016	White RAL9016	White RAL9016	White RAL9016	White RAL9016
Material	Steel	Steel	Steel	Steel	Steel	Steel
IP-rating	21	21	21	21	21	21
EN 54-24 compliance	No	Yes	No	Yes	No	Yes
Back cover	Yes	Yes	Yes	Yes	Yes	Yes

RCS Series

Round Metal Ceiling Loudspeakers

EN54

Certified



FEATURES

- Excellent reproduction of speech and music
- High acoustical performance
- Elegant and discreet design
- Simple installation
- Back cover

APPLICATIONS

- Hotels
- Restaurants
- Offices
- Train stations
- Bars
- Retails
- Administrations

TECHNICAL CHARACTERISTICS

	RCS4FT/EN	RCS5FT/EN	RCS6FT/EN	RCS8FT/EN
Tapping 100 volts line, watts	4/2/1/0.5/0.25	6/3/1.5/0.75/0.25	6/3/1.5/0.75/0.25	10/5/2.5/1.25
Effective frequency range, Hz	200 - 18,000	150 - 18,000	180 - 18,000	150 - 17,000
SPL @ 1 m, 1 watt, dB	90	94	94	93
SPL @ 1 m, full power, dB	96	102	102	103
Dispersion at 1k/2k Hz, degrees	176/162 Horizontal 173/166 Vertical	177/93 Horizontal 176/118 Vertical	172/79 Horizontal 173/80 Vertical	159/79 Horizontal 159/81 Vertical
Dimensions, mm	132 x 91.1	189 x 115.7	239 x 115.7	280 x 112.8
Cut-out, mm	119	164	200	246
Colour	White RAL9016	White RAL9016	White RAL9016	White RAL9016
Material	Steel	Steel	Steel	Steel
IP-rating	21	52	55	21
EN 54-24 compliance	Yes	Yes	Yes	Yes
Back cover	Yes	Yes	Yes	Yes

RCS Series

Round Metal Ceiling Loudspeakers with Capacitor



FEATURES

- Excellent reproduction of speech and music
- High acoustical performance
- Elegant and discreet design
- Simple installation
- Back cover
- Capacitor for DC line monitoring

APPLICATIONS

- Hotels
- Restaurants
- Offices
- Train stations
- Bars
- Retails
- Administrations

TECHNICAL CHARACTERISTICS

	RCS4FT/ENC	RCS5FT/ENC	RCS6FT/ENC	RCS8FT/ENC
Tapping 100 volts line, watts	4/2/1/0.5/0.25	6/3/1.5/0.75/0.25	6/3/1.5/0.75/0.25	10/5/2.5/1.25
Effective frequency range, Hz	200 - 18,000	150 - 18,000	180 - 18,000	150 - 17,000
SPL @ 1 m, 1 watt, dB	90	94	94	93
SPL @ 1 m, full power, dB	96	102	102	103
Dispersion at 1k/2k Hz, degrees	176/162 Horizontal 173/166 Vertical	177/93 Horizontal 176/118 Vertical	172/79 Horizontal 173/80 Vertical	159/79 Horizontal 159/81 Vertical
Dimensions, mm	132 x 91.1	189 x 115.7	239 x 115.7	280 x 112.8
Cut-out, mm	119	164	200	246
Colour	White RAL9016	White RAL9016	White RAL9016	White RAL9016
Material	Steel	Steel	Steel	Steel
IP-rating	21	52	55	21
EN 54-24 compliance	Yes	Yes	Yes	Yes
Back cover	Yes	Yes	Yes	Yes

RCS Series

Round Coaxial Metal Ceiling Loudspeakers with Capacitor

EN54
Certified


FEATURES

- Excellent reproduction of speech and music
- High acoustical performance
- Elegant and discreet design
- Two way speaker
- Simple installation
- Back cover
- Capacitor for DC line monitoring

APPLICATIONS

- Hotels
- Restaurants
- Offices
- Train stations
- Bars
- Retails
- Administrations

TECHNICAL CHARACTERISTICS

	RCS5FTCX/ENC	RCS6FTCX/ENC	RCS8FTCX/ENC
Tapping 100 volts line, watts	10/5/2.5/1.25	10/5/2.5/1.25	20/10/5/2.5
Effective frequency range, Hz	130 - 18,500	130 - 18,500	100 - 20,000
SPL @ 1 m, 1 watt, dB	90	92	94
SPL @ 1 m, full power, dB	100	102	107
Dispersion at 1k/2k Hz, degrees	175/136 Horizontal 175/97 Vertical	164/144 Horizontal 164/143 Vertical	159/76 Horizontal 159/81 Vertical
Dimensions, mm	189 x 115.7	239 x 115.7	280 x 112.8
Cut-out, mm	164	200	246
Colour	White RAL9016	White RAL9016	White RAL9016
Material	Steel	Steel	Steel
IP-rating	21	21	21
EN 54-24 compliance	Yes	Yes	Yes
Back cover	Yes	Yes	Yes

RGS Series

Round Ceiling Loudspeakers



FEATURES

- Simple installation
- Bayonet system
- Back cover
- Capacitor for DC line monitoring (ENC version)

APPLICATIONS

- Hotels
- Restaurants
- Offices
- Train stations
- Bars
- Retails
- Administrations

TECHNICAL CHARACTERISTICS

	RGS 5/T	RGS5FT/EN	RGS5FT/ENC	RGS 6/T	RGS6FT/EN	RGS6FT/ENC
Tapping 100 volts line, watts	6/3/1.5/0.75/0.25	6/3/1.5/0.75/0.25	6/3/1.5/0.75/0.25	6/3/1.5/0.75/0.25	6/3/1.5/0.75/0.25	6/3/1.5/0.75/0.25
Effective frequency range, Hz	100 - 17,500	130 - 17,500	130 - 17,500	100 - 17,500	100 - 17,500	100 - 17,500
SPL @ 1 m, 1 watt, dB	87	90	90	92	94	94
SPL @ 1 m, full power, dB	95	98	98	100	102	102
Dispersion at 1k/2k Hz, degrees	180/160	169/95 Horizontal 170/96 Vertical	169/95 Horizontal 170/96 Vertical	180/180	169/95 Horizontal 170/96 Vertical	169/95 Horizontal 170/96 Vertical
Dimensions, mm	190 x 73	190 x 94	190 x 94	215 x 73	215 x 106	215 x 106
Cut-out, mm	172	172	172	195	195	195
Colour	White RAL9016	White RAL9016	White RAL9016	White RAL9016	White RAL9016	White RAL9016
Material	Steel	Steel	Steel	Steel	Steel	Steel
IP-rating	21	21	21	21	21	21
EN 54-24 compliance	No	Yes	Yes	No	Yes	Yes
Back cover	No	Yes	Yes	No	Yes	Yes

RGS Series

Round A/B Ceiling Loudspeakers

EN54
Certified



FEATURES

- A/B line mode
- Simple installation
- Bayonet system
- Back cover
- Capacitor for DC line monitoring (ENC version)
- Plastic terminal and without fuse (X version)

APPLICATIONS

- Hotels
- Restaurants
- Offices
- Train stations
- Bars
- Retails
- Administrations

TECHNICAL CHARACTERISTICS

	RGS8FTAB/EN	RGS8FTAB/ENC	RGS8FTABX/EN
Tapping 100 volts line, watts	2 x (6/3/1.5/0.75/0.25)	2 x (6/3/1.5/0.75/0.25)	2 x (6/3/1.5/0.75/0.25)
Effective frequency range, Hz	300 - 17,500	300 - 17,500	300 - 17,500
SPL @ 1 m, 1 watt, dB	82	82	82
SPL @ 1 m, full power, dB	92	92	92
Dispersion at 1k/2k Hz, degrees	147/166 Horizontal 151/73 Vertical	147/166 Horizontal 151/73 Vertical	147/166 Horizontal 151/73 Vertical
Dimensions, mm	265 x 107	265 x 107	265 x 107
Cut-out, mm	238	238	238
Colour	White RAL9016	White RAL9016	White RAL9016
Material	Steel	Steel	Steel
IP-rating	21	21	21
EN 54-24 compliance	Yes	Yes	Yes
Back cover	Yes	Yes	Yes

RLS Series

Round Budget Ceiling Loudspeakers



FEATURES

- Excellent reproduction of speech and music
- Economical
- Simple installation

APPLICATIONS

- Hotels
- Restaurants
- Offices
- Train stations
- Bars
- Retails
- Administrations

TECHNICAL CHARACTERISTICS

	RLS 5/T	RLS 5/FTS	RLS5T/EN	RLS5FTS/EN
Tapping 100 volts line, watts	6/3/1.5	6/3/1.5	6/3/1.5	6/3/1.5
Effective frequency range, Hz	100 - 12,000	100 - 12,000	150 - 18,500	150 - 18,500
SPL @ 1 m, 1 watt, dB	90	90	93	93
SPL @ 1 m, full power, dB	98	98	101	101
Dispersion at 1k/2k Hz, degrees			173/139 Horizontal 184/114 Vertical	167/151 Horizontal 173/146 Vertical
Dimensions, mm	174 x 65	174 x 110	186 x 60	186 x 146
Cut-out, mm	155	155	157	162
Colour	White RAL9016	White RAL9016	White RAL9016	White RAL9016
Material	Steel	Steel	Steel	Steel
IP-rating		21	21	21
EN 54-24 compliance	No	No	Yes	Yes
Back cover	No	Yes	Yes	Yes

RNS Series

Round Budget Metal Ceiling Loudspeakers



FEATURES

- Excellent reproduction of speech and music
- Economical
- Simple installation

APPLICATIONS

- Hotels
- Restaurants
- Offices
- Train stations
- Bars
- Retails
- Administrations

TECHNICAL CHARACTERISTICS

	RNS 5/T	RNS 6/T	RNS 8/T
Tapping 100 volts line, watts	6/3/1.5/0.75/0.25	6/3/1.5/0.75/0.25	6/3/1.5/0.75/0.25
Effective frequency range, Hz	120 - 17,500	110 - 18,500	80 - 18,500
SPL @ 1 m, 1 watt, dB	90	92	92
SPL @ 1 m, full power, dB	97	99	99
Dispersion at 1k Hz, degrees	180	160	130
Dimensions, mm	180 x 59	227 x 59	280 x 72
Cut-out, mm	155	198	244
Colour	White RAL9016	White RAL9016	White RAL9016
Material	Steel	Steel	Steel
IP-rating			
EN 54-24 compliance	No	No	No
Back cover	No	No	No

PCL Series

Round Plastic Ceiling Loudspeakers



FEATURES

- Economical
- Simple installation

APPLICATIONS

- Hotels
- Restaurants
- Offices
- Train stations
- Bars
- Retails
- Administrations

TECHNICAL CHARACTERISTICS

PCL 6/T	
Tapping 100 volts line, watts	6/3/1.5/0.75/0.25
Effective frequency range, Hz	85 - 18,500
SPL @ 1 m, 1 watt, dB	82
SPL @ 1 m, full power, dB	90
Dispersion at 1k/2k Hz, degrees	180/120
Dimensions, mm	234 x 80
Cut-out, mm	194
Colour	White RAL9016
Material	ABS
IP-rating	21
EN 54-24 compliance	No
Back cover	No

CCS Series

Round Pro-Sound Ceiling Loudspeakers



FEATURES

- Very good acoustic quality
- Bass reflex
- Two versions are available:
 - 16 ohms (CCS 4 & CCS 6)
 - 100 volts (CCS 4/T & CCS 6/T)

APPLICATIONS

- Hotels
- Restaurants
- Offices
- Train stations
- Bars
- Retails
- Administrations

TECHNICAL CHARACTERISTICS

	CCS 4	CCS 6	CCS 4/T	CCS 6/T
Tapping 100 volts line, watts	30	60	30/15/7.5/3.75	60/30/15/7.5
Effective frequency range, Hz	65 - 19,500	70 - 20,000	65 - 19,500	70 - 20,000
SPL @ 1 m, 1 watt, dB	86	88	86	88
SPL @ 1 m, full power, dB	101	104	101	104
Dispersion at 1k/2k Hz, degrees	180/160	180/160	180/160	180/160
Dimensions, mm	195.5 x 206.74	263 x 214	195.5 x 206.74	263 x 214
Cut-out, mm	168	230	168	230
Colour	White RAL9016	White RAL9016	White RAL9016	White RAL9016
Material	ABS	ABS	ABS	ABS
IP-rating				
EN 54-24 compliance	No	No	No	No
Back cover	Yes	Yes	Yes	Yes

SCS Series

Square Metal Ceiling Loudspeakers



FEATURES

- Excellent reproduction of speech and music
- High sound pressure
- Square form

APPLICATIONS

- Hotels
- Restaurants
- Offices
- Train stations
- Bars
- Retails
- Administrations

TECHNICAL CHARACTERISTICS

	SCS 5/T	SCS 6/T
Tapping 100 volts line, watts	6/3/1.5/0.75/0.25	6/3/1.5/0.75/0.25
Effective frequency range, Hz	85 - 17,000	85 - 18,500
SPL @ 1 m, 1 watt, dB	92	92
SPL @ 1 m, full power, dB	100	100
Dispersion at 1k Hz, degrees	180	160
Dimensions, mm	184 x 184 x 57	220 x 220 x 59
Cut-out, mm	160	182
Colour	White RAL9016	White RAL9016
Material	Steel	Steel
IP-rating	21	21
EN 54-24 compliance	No	No
Back cover	Yes	Yes

BCL Series

Round Bathroom Waterproof Ceiling Loudspeaker



FEATURES

- Compact design
- Economical
- Specifically designed for use in humid and saline environment
- Water and dust resistant, IP55

APPLICATIONS

- Saunas
- SPA
- Aquatic centers
- Showers
- Cloakrooms

TECHNICAL CHARACTERISTICS

	BCL 3/T
Tapping 100 volts line, watts	6/3/1.5
Effective frequency range, Hz	220 - 18,500
SPL @ 1 m, 1 watt, dB	89
SPL @ 1 m, full power, dB	96
Dispersion at 1k Hz, degrees	140
Dimensions, mm	139 x 117.5
Cut-out, mm	115
Colour	White RAL9016
Material	Plastic
IP-rating	55
EN 54-24 compliance	No
Back cover	Yes

CAD Series

Plastic Sound Projectors



FEATURES

- Excellent reproduction of speech and music
- Performance hard to match
- Elegant and modern design
- Simple installation
- Made of a UV-resistant reinforced ABS plastic
- Water and dust resistant, IP66
- Capacitor for DC line monitoring (ENC version)

APPLICATIONS

- Train stations
- Streets
- Aquatic centers
- Schools
- Car parks
- Administrations

TECHNICAL CHARACTERISTICS

	CAD 10/T	CAD10T/EN	CAD10T/ENC	CAD 20/T	CAD 20T/EN	CAD 20T/ENC
Tapping 100 volts line, watts	10/5/2.5/1.25	10/5/2.5/1.25	10/5/2.5/1.25	20/10/5/2.5	20/10/5/2.5	20/10/5/2.5
Effective frequency range, Hz	120 - 18,000	110 - 18,000	110 - 18,000	110 - 18,000	110 - 18,000	110 - 18,000
SPL @ 1 m, 1 watt, dB	90	91	91	91	92	92
SPL @ 1 m, full power, dB	100	101	101	104	105	105
Dispersion at 1k/2k Hz, degrees	180/120	206/111 Horizontal 219/115 Vertical	206/111 Horizontal 219/115 Vertical	180/120	189/126 Horizontal 196/120 Vertical	189/126 Horizontal 196/120 Vertical
Dimensions, front and depth, mm	138 x 204	138 x 204	138 x 204	138 x 204	138 x 204	138 x 204
Colour	White RAL9016	White RAL9016	White RAL9016	White RAL9016	White RAL9016	White RAL9016
Material	ABS	ABS	ABS	ABS	ABS	ABS
IP-rating	66	66	66	66	66	66
EN 54-24 compliance	No	Yes	Yes	No	Yes	Yes

CELL Series

Metal Sound Projectors

EN54

Certified



FEATURES

- Simple installation
- Anti-vandal protected metal housing
- Water and dust resistant
- Capacitor for DC line monitoring (ENC version)

APPLICATIONS

- Train stations
- Streets
- Aquatic centers
- Schools
- Car parks
- Administrations

TECHNICAL CHARACTERISTICS

	CELL 10/T	CELL10T/EN	CELL10T/ENC	CELL 20/T	CELL20T/EN	CELL20T/ENC
Tapping 100 volts line, watts	10/5/2.5/1.25	10/5/2.5/1.25	10/5/2.5/1.25	20/10/5/2.5	20/10/5/2.5	20/10/5/2.5
Effective frequency range, Hz	120 - 18,000	120 - 18,000	120 - 18,000	110 - 16,000	110 - 16,000	110 - 16,000
SPL @ 1 m, 1 watt, dB	91	92	92	88	91	91
SPL @ 1 m, full power, dB	101	102	102	101	104	104
Dispersion at 1k/2k Hz, degrees	180/120	203/116 Horizontal 199/118 Vertical	203/116 Horizontal 199/118 Vertical	180/120	208/123 Horizontal 210/121 Vertical	208/123 Horizontal 210/121 Vertical
Dimensions, front and depth, mm	140 x 191	140 x 191	140 x 191	140 x 191	140 x 191	140 x 191
Colour	White RAL9016	White RAL9016	White RAL9016	White RAL9016	White RAL9016	White RAL9016
Material	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
IP-rating	55	66	66	55	66	66
EN 54-24 compliance	No	Yes	Yes	No	Yes	Yes

CELL Series

Metal Bi-Directional Sound Projectors



FEATURES

- Excellent reproduction of speech and music
- 2 built-in speakers
- Simple installation, ceiling or wall
- Anti-vandal protected metal housing
- Water and dust resistant, IP55
- Capacitor for DC line monitoring (ENC version)

APPLICATIONS

- Train stations
- Streets
- Aquatic centers
- Schools
- Car parks
- Administrations

TECHNICAL CHARACTERISTICS

	CELL 10/BDT	CELL10BT/EN	CELL10BT/ENC	CELL 20/BDT
Tapping 100 volts line, watts	20/10/5/2.5	20/10/5/2.5	20/10/5/2.5	40/20/10/5
Effective frequency range, Hz	120 - 18,000	120 - 18,000	120 - 18,000	120 - 18,000
SPL @ 1 m, 1 watt, dB	88	88	88	87
SPL @ 1 m, full power, dB	101	101	101	103
Dispersion at 1k/2k Hz, degrees	160/120	158/222 Horizontal 130/211 Vertical	158/222 Horizontal 130/211 Vertical	160/120
Dimensions, front and depth, mm	140 x 196	230 x 192 x 174	230 x 192 x 174	140 x 196
Colour	White RAL9016	White RAL9016	White RAL9016	White RAL9016
Material	Aluminium	Aluminium	Aluminium	Aluminium
IP-rating	55	55	55	55
EN 54-24 compliance	No	Yes	Yes	No

APH Series

Weatherproof Horn Loudspeakers

EN54
Certified



FEATURES

- High acoustical performance
- Made of a UV-resistant reinforced ABS plastic
- Specifically designed for use in humid and saline environment
- Water and dust resistant, IP66
- Capacitor for DC line monitoring (ENC version)

APPLICATIONS

- Train stations
- Streets
- Small stadiums
- Industrial sites

TECHNICAL CHARACTERISTICS

	APH10T/ENC	APH20T/ENC	APH30T/ENC
Tapping 100 volts line, watts	10/5/2.5/1.25	20/10/5/2.5	30/15/7.5/3.75
Effective frequency range, Hz	340 - 16,000	310 - 16,000	340 - 16,000
SPL @ 1 m, 1 watt, dB	105	104	106
SPL @ 1 m, full power, dB	115	117	120
Dispersion at 1k/2k Hz, degrees	139/74 Horizontal 173/96 Vertical	111/62 Horizontal 148/84 Vertical	105/49 Horizontal 142/68 Vertical
Dimensions, front and depth, mm	172 x 131 x 227	219 x 157 x 259	258 x 180 x 280
Colour	Grey RAL7035	Grey RAL7035	Grey RAL7035
Material	Plastic	Plastic	Plastic
IP-rating	66	66	66
EN 54-24 compliance	Yes	Yes	Yes

PH Series

Weatherproof Horn Loudspeakers



FEATURES

- Simple installation
- Made of a UV-resistant reinforced ABS plastic
- Specifically designed for use in humid and saline environment
- Water and dust resistant

APPLICATIONS

- Train stations
- Small stadiums
- Streets
- Industrial sites

TECHNICAL CHARACTERISTICS

	PH 10/T	PH 20/T	PH 30/T
Tapping 100 volts line, watts	10/5/2.5/1.25	20/10/5/2.5	30/15/7.5/3.75
Effective frequency range, Hz	400 - 8,000	250 - 8,000	330 - 8,000
SPL @ 1 m, 1 watt, dB	97	101	103
SPL @ 1 m, full power, dB	107	114	118
Dispersion at 1k/2k Hz, degrees	180/110	130/70	110/70
Dimensions, front and depth, mm	138 x 200	203 x 254	238 x 287
Colour	Grey RAL7035	Grey RAL7035	Grey RAL7035
Material	Plastic	Plastic	Plastic
IP-rating	56	56	66
EN 54-24 compliance	No	No	No

MHS Series

Weatherproof Metal Horn Loudspeakers

EN54

Certified



FEATURES

- Metal housing
- Water and dust resistant, IP66
- Capacitor for DC line monitoring

APPLICATIONS

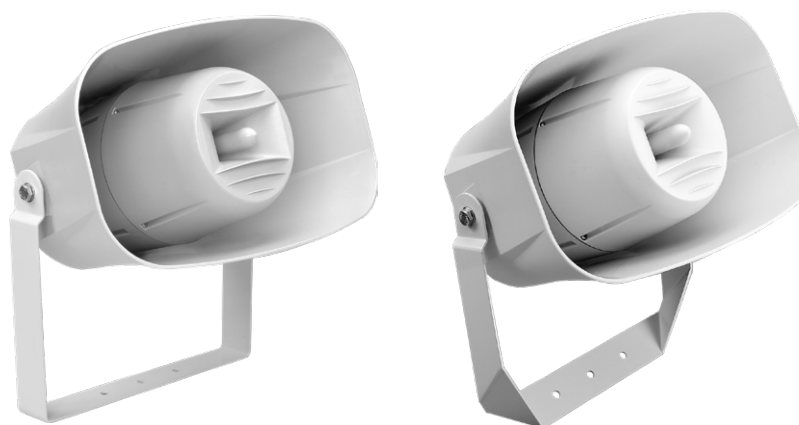
- Train stations
- Small stadiums
- Streets
- Industrial sites

TECHNICAL CHARACTERISTICS

	MHS20T/ENC
Tapping 100 volts line, watts	20/10/5/2.5/1.25
Effective frequency range, Hz	300 - 16,500
SPL @ 1 m, 1 watt, dB	105
SPL @ 1 m, full power, dB	118
Dispersion at 1k/2k Hz, degrees	143/66 Horizontal 143/66 Vertical
Dimensions, front and depth, mm	217 x 297
Colour	Grey RAL7035
Material	Aluminium
IP-rating	66
EN 54-24 compliance	Yes

MSH Series

Weatherproof Music Horn Loudspeakers



FEATURES

- Excellent reproduction of music
- Excellent audio quality
- Simple installation
- Made of a UV-resistant reinforced ABS plastic
- Specifically designed for use in humid and saline environment
- Water and dust resistant
- Capacitor for DC line monitoring (ENC version)

APPLICATIONS

- Train stations
- Streets
- Small stadiums
- Industrial sites

TECHNICAL CHARACTERISTICS

	MSH 30/T	MSH30T/EN	MSH30T/ENC	MSH 60/T
Tapping 100 volts line, watts	30/15/7.5/3.75	30/15/7.5/3.75	30/15/7.5/3.75	60/30/15/7.5
Effective frequency range, Hz	70 - 16,500	70 - 16,500	70 - 16,500	60 - 16,500
SPL @ 1 m, 1 watt, dB	99	100	100	99
SPL @ 1 m, full power, dB	114	115	115	117
Dispersion at 1k/2k Hz, degrees	70/120 Horizontal 110/110 Vertical	56/98 Horizontal 96/52 Vertical	56/98 Horizontal 96/52 Vertical	100/120 Horizontal 60/120 Vertical
Dimensions, front and depth, mm	442 x 260 x 287.5	442 x 260 x 287.5	442 x 260 x 287.5	440 x 270 x 290
Colour	Grey RAL7035	Grey RAL7035	Grey RAL7035	Grey RAL7035
Material	Plastic	Plastic	Plastic	Plastic
IP-rating	66	66	66	65
EN 54-24 compliance	No	Yes	Yes	No

MPS Series

Music Horn Loudspeakers

EN54

Certified



FEATURES

- Excellent reproduction of music
- Excellent audio quality
- Compact design
- Simple installation
- Made of a UV-resistant reinforced ABS plastic
- Specifically designed for use in humid and saline environment
- Water and dust resistant
- Capacitor for DC line monitoring (ENC version)

APPLICATIONS

- Train stations
- Streets
- Small stadiums
- Industrial sites

TECHNICAL CHARACTERISTICS

	MPS 15/T	MPS15T/ENC	MPS 30/T
Tapping 100 volts line, watts	15/7.5/3.75/1.875	15/7.5/3.75/1.875	30/15/7.5/3.75
Effective frequency range, Hz	70 - 16,500	70 - 16,500	70 - 16,500
SPL @ 1 m, 1 watt, dB	97	97	97
SPL @ 1 m, full power, dB	109	109	112
Dispersion at 1k/2k Hz, degrees	50/30 Horizontal 90/90 Vertical	91/52 Horizontal 151/102 Vertical	50/30 Horizontal 90/90 Vertical
Dimensions, LxHxP, mm	329 x 181 x 297	334 x 181 x 295	329 x 181 x 297
Colour	Grey RAL7035	Grey RAL7035	Grey RAL7035
Material	Plastic	Plastic	Plastic
IP-rating	33	33	65
EN 54-24 compliance	No	Yes	No

MCS Series

2-Way Metal Column Loudspeakers



FEATURES

- Excellent reproduction of speech and music
- High acoustical performance
- Elegant and modern design
- Specifically designed for use in areas with complex acoustics
- Water and dust resistant, IP55

APPLICATIONS

- Train stations
- Airports
- Administrations
- Subway stations
- Houses of worship

TECHNICAL CHARACTERISTICS

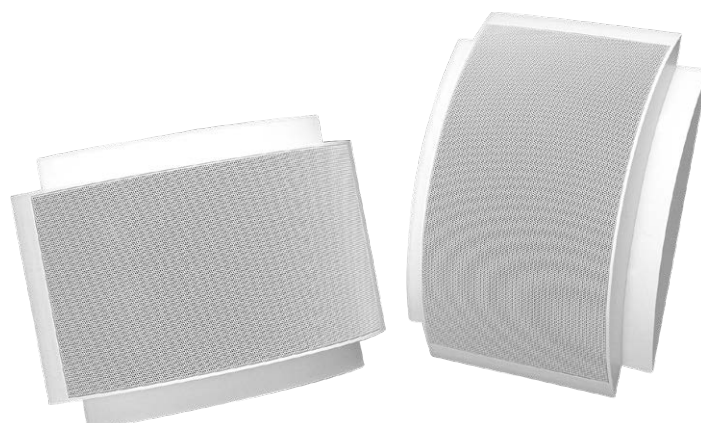
	MCS20T/EN	MCS20T/ENC	MCS40T/EN	MCS40T/ENC	MCS80T/EN	MCS80T/ENC
Tapping 100 volts line, watts	20/10/5/2.5	20/10/5/2.5	40/20/10/5	40/20/10/5	80/40/20/10	80/40/20/10
Effective frequency range, Hz	170 - 17,000	170 - 17,000	170 - 18,000	170 - 18,000	180 - 18,000	180 - 18,000
SPL @ 1 m, 1 watt, dB	92	92	94	94	98	98
SPL @ 1 m, full power, dB	105	105	110	110	117	117
Dispersion at 1k/2k Hz, degrees	179/140	179/140	231/156	231/156	175/131	175/131
	Horizontal 100/28 Vertical	Horizontal 100/28 Vertical	Horizontal 45/20 Vertical	Horizontal 45/20 Vertical	Horizontal 35/14 Vertical	Horizontal 35/14 Vertical
Dimensions, L x H x P, mm	98 x 368 x 90	98 x 368 x 90	98 x 615 x 90	98 x 615 x 90	98 x 970 x 90	98 x 970 x 90
Colour	White RAL9016	White RAL9016	White RAL9016	White RAL9016	White RAL9016	White RAL9016
Material	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
IP-rating	55	55	55	55	55	55
EN 54-24 compliance	Yes	Yes	Yes	Yes	Yes	Yes

PBC Series

Moulded Cabinet Loudspeakers

EN54

Certified



FEATURES

- Excellent reproduction of speech and music
- High efficiency (6W versions)
- Exceptional acoustic quality (10W versions)
- Two way speaker (COAX and CX versions)
- Elegant and modern design
- Simple installation
- Made of a UV-resistant reinforced ABS plastic
- Capacitor for DC line monitoring (ENC version)

APPLICATIONS

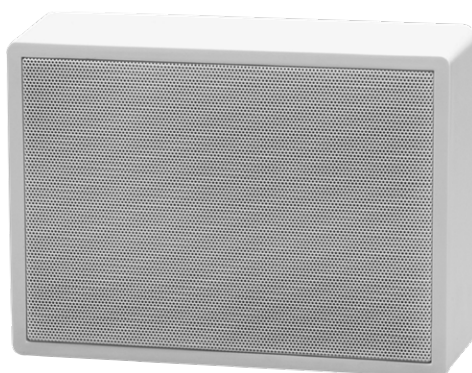
- Schools
- Restaurants
- Reception rooms
- Museums
- Hotels
- Administrations
- Medical offices

TECHNICAL CHARACTERISTICS

	PBC 6/T	PBC6T/EN	PBC6T/ENC	PBC 10/TCOAX	PBC10TCX/EN	PBC10TCX/ENC
Tapping 100 volts line, watts	6/3/1.5/0.75/0.25	6/3/1.5/0.75/0.25	6/3/1.5/0.75/0.25	10/5/2.5/1.25	10/5/2.5/1.25	10/5/2.5/1.25
Effective frequency range, Hz	160 - 18,000	160 - 18,000	160 - 18,000	80 - 20,000	80 - 20,000	80 - 20,000
SPL @ 1 m, 1 watt, dB	96	95	95	89	89	89
SPL @ 1 m, full power, dB	104	102	102	99	99	99
Dispersion at 1k/2k Hz, degrees	180/120	119/100 Horizontal 77/99 Vertical	119/100 Horizontal 77/99 Vertical	180/120	132/96 Horizontal 169/96 Vertical	132/96 Horizontal 169/96 Vertical
Dimensions, L x H x P, mm	330 x 240 x 90	330 x 240 x 90	330 x 240 x 90	330 x 240 x 90	330 x 240 x 90	330 x 240 x 90
Colour	White RAL9016	White RAL9016	White RAL9016	White RAL9016	White RAL9016	White RAL9016
Material	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
IP-rating	21	21	21	21	21	21
EN 54-24 compliance	No	Yes	Yes	No	Yes	Yes

PWC Series

Moulded Cabinet Loudspeakers



FEATURES

- Compact design
- Economical
- Simple installation
- Made of a UV-resistant reinforced ABS plastic
- Capacitor for DC line monitoring (ENC version)

APPLICATIONS

- Schools
- Restaurants
- Reception rooms
- Museums
- Hotels
- Administrations
- Medical offices

TECHNICAL CHARACTERISTICS

	PWC 6/T	PWC6T/EN	PWC6T/ENC
Tapping 100 volts line, watts	6/3/1.5/0.75/0.25	6/3/1.5/0.75/0.25	6/3/1.5/0.75/0.25
Effective frequency range, Hz	200 - 18,500	220 - 18,500	220 - 18,500
SPL @ 1 m, 1 watt, dB	93	93	93
SPL @ 1 m, full power, dB	100	100	100
Dispersion at 1k/2k Hz, degrees	180/110	167/89 Horizontal 115/104 Vertical	167/89 Horizontal 115/104 Vertical
Dimensions, LxHxP, mm	233 x 171 x 75	233 x 168 x 75	233 x 168 x 75
Colour	White RAL9016	White RAL9016	White RAL9016
Material	Plastic	Plastic	Plastic
IP-rating	21	21	21
EN 54-24 compliance	No	Yes	Yes

WWC Series

Wallmount Speakers with Wooden Housing (MDF)

EN54

Certified



FEATURES

- Exceptional acoustic quality
- High efficiency
- Compact design
- Economical
- Simple installation
- Wooden Housing (MDF)
- Capacitor for DC line monitoring (ENC version)
- Plastic terminal and without fuse (X version)
- Built-in attenuator (WWC6/TRV)

APPLICATIONS

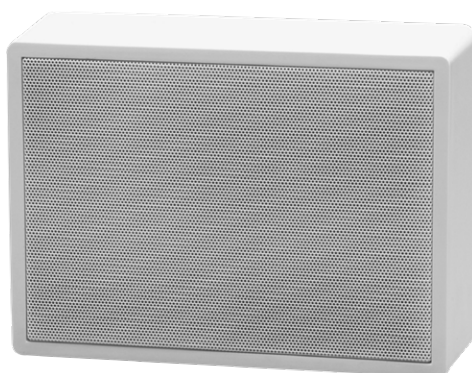
- Schools
- Restaurants
- Reception rooms
- Museums
- Hotels
- Administrations
- Medical offices

TECHNICAL CHARACTERISTICS

	WWC 6/T	WWC 6/TRV	WWC6T/EN	WWC6T/ENC	WWC6TX/EN
Tapping 100 volts line, watts	6/3/1.5/0.75/0.25	6/3/1.5/OFF	6/3/1.5/0.75/0.25	6/3/1.5/0.75/0.25	6/3/1.5/0.75/0.25
Effective frequency range, Hz	85 - 18,500	85 - 18,500	180 - 18,500	180 - 18,500	180 - 18,500
SPL @ 1 m, 1 watt, dB	95	90	82	82	82
SPL @ 1 m, full power, dB	103	97	90	90	90
Dispersion at 1k/2k Hz, degrees	180/180		152/98 Horizontal 128/113 Vertical	152/98 Horizontal 128/113 Vertical	152/98 Horizontal 128/113 Vertical
Dimensions, L x H x P, mm	254 x 195 x 82	254 x 195 x 82	255 x 196 x 82	255 x 196 x 82	255 x 196 x 82
Colour	White RAL9016	White RAL9016	White RAL9016	White RAL9016	White RAL9016
Material	Wood	Wood	Wood	Wood	Wood
IP-rating	21	21	21	21	21
EN 54-24 compliance	No	No	Yes	Yes	Yes

WWC Series

A/B Wallmount Speakers with Wooden Housing (MDF)



FEATURES

- Exceptional acoustic quality
- High efficiency
- Compact design
- Economical
- Simple installation
- Wooden Housing (MDF)
- Capacitor for DC line monitoring (ENC version)
- Plastic terminal and without fuse (X version)
- A/B line mode

APPLICATIONS

- Schools
- Restaurants
- Reception rooms
- Museums
- Hotels
- Administrations
- Medical offices

TECHNICAL CHARACTERISTICS

	WWC6TAB/EN	WWC6TABX/EN	WWC6TAB/ENC
Tapping 100 volts line, watts	2 x (6/3/1.5/0.75/0.25)	2 x (6/3/1.5/0.75/0.25)	2 x (6/3/1.5/0.75/0.25)
Effective frequency range, Hz	200 - 20,000	200 - 20,000	200 - 20,000
SPL @ 1 m, 1 watt, dB	95	95	95
SPL @ 1 m, full power, dB	103	103	103
Dispersion at 1k/2k Hz, degrees	149/100 Horizontal 104/56 Vertical	149/100 Horizontal 104/56 Vertical	149/100 Horizontal 104/56 Vertical
Dimensions, L x H x P, mm	255 x 196 x 82	255 x 196 x 82	255 x 196 x 82
Colour	White RAL9016	White RAL9016	White RAL9016
Material	Wood	Wood	Wood
IP-rating	21	21	21
EN 54-24 compliance	Yes	Yes	Yes

MWC Series

Round Wallmount Loudspeakers

EN54
Certified



FEATURES

- Excellent reproduction of speech and music
- High efficiency
- Compact design
- Economical
- Ceiling or wall installation
- Capacitor for DC line monitoring (ENC version)

APPLICATIONS

- Schools
- Restaurants
- Reception rooms
- Museums
- Hotels
- Administrations
- Medical offices

TECHNICAL CHARACTERISTICS

	MWC 6/T	MWC6T/EN	MWC6T/ENC
Tapping 100 volts line, watts	6/3/1.5/0.75/0.25	6/3/1.5/0.75/0.25	6/3/1.5/0.75/0.25
Effective frequency range, Hz	85 - 18,500	85 - 18,500	85 - 18,500
SPL @ 1 m, 1 watt, dB	94	91	91
SPL @ 1 m, full power, dB	102	99	99
Dispersion at 1k/2k Hz, degrees	180/180	174/106 Horizontal 174/108 Vertical	174/106 Horizontal 174/108 Vertical
Dimensions, L x H x P, mm	170 x 75	170 x 75	170 x 75
Colour	White RAL9016	White RAL9016	White RAL9016
Material	Steel	Steel	Steel
IP-rating	21	21	21
EN 54-24 compliance	No	Yes	Yes

APC Series

Moulded Cabinet Loudspeakers



FEATURES

- Elegant and sober design
- Ceiling or wall installation
- Made of a UV-resistant reinforced ABS plastic
- Capacitor for DC line monitoring (ENC version)
- Water and dust resistant, IP44

APPLICATIONS

- Train stations
- Schools
- Retails
- Offices

TECHNICAL CHARACTERISTICS

	APC4T/EN	APC4T/ENC
Tapping 100 volts line, watts	4/2/1/0.5	4/2/1/0.5
Effective frequency range, Hz	120 - 18,000	120 - 18,000
SPL @ 1 m, 1 watt, dB	93	93
SPL @ 1 m, full power, dB	99	99
Dispersion at 1k/2k Hz, degrees	205/162 Horizontal 221/199 Vertical	205/162 Horizontal 221/199 Vertical
Dimensions, L x H x P, mm	168 x 116 x 100	168 x 116 x100
Colour	White RAL9016	White RAL9016
Material	Plastic	Plastic
IP-rating	44	44
EN 54-24 compliance	Yes	Yes

APC Series

Bi-Directional Moulded Cabinet Loudspeakers

EN54

Certified



FEATURES

- Elegant and sober design
- 2 built-in speakers
- Ceiling or wall installation
- Made of a UV-resistant reinforced ABS plastic
- Capacitor for DC line monitoring (ENC version)
- Water and dust resistant, IP44

APPLICATIONS

- Train stations
- Schools
- Retails
- Offices

TECHNICAL CHARACTERISTICS

	APC6BT/EN	APC6BT/ENC
Tapping 100 volts line, watts	6/3/1.5/0.75	6/3/1.5/0.75
Effective frequency range, Hz	110 - 18,000	110 - 18,000
SPL @ 1 m, 1 watt, dB	95	95
SPL @ 1 m, full power, dB	102	102
Dispersion at 1k/2k Hz, degrees	260/298 Horizontal 287/253 Vertical	260/298 Horizontal 287/253 Vertical
Dimensions, L x H x P, mm	246 x 116 x 100	246 x 116 x 100
Colour	White RAL9016	White RAL9016
Material	Plastic	Plastic
IP-rating	44	44
EN 54-24 compliance	Yes	Yes

PMC Series

Moulded Cabinet Loudspeakers



FEATURES

- Specifically designed for use in humid and corrosive rooms
- Made of a UV-resistant reinforced ABS plastic
- Water and dust resistant, IP56

APPLICATIONS

- Saunas
- Aquatic centers
- Cloakrooms
- SPA
- Boats

TECHNICAL CHARACTERISTICS

	PMC 4/T	PMC4T/EN	PMC4T/ENC
Tapping 100 volts line, watts	4/2/1/0.5	4/2/1/0.5	4/2/1/0.5
Effective frequency range, Hz	220 - 11,000	220 - 11,000	220 - 11,000
SPL @ 1 m, 1 watt, dB	91	92	92
SPL @ 1 m, full power, dB	97	98	98
Dispersion at 1k/2k Hz, degrees	180/110	181/105 Horizontal 197/115 Vertical	181/105 Horizontal 197/115 Vertical
Dimensions, L x H x P, mm	119 x 119 x 67.5	119 x 119 x 67.5	
Colour	White RAL9016	White RAL9016	White RAL9016
Material	Plastic	Plastic	Plastic
IP-rating	56	56	56
EN 54-24 compliance	No	Yes	Yes

SENTRY Series

Vandalproof Metal Cabinet Loudspeakers

EN54

Certified



FEATURES

- Anti-vandal protected metal housing
- Square form
- Ceiling or wall installation
- Water and dust resistant, IP52
- Capacitor for DC line monitoring (ENC version)
- A/B line (AB version)

APPLICATIONS

- Train stations
- Car parks
- Subway stations

TECHNICAL CHARACTERISTICS

	SENTRY6ST/EN	SENTRY6ST/ENC	SENTRY 6STC/AB	SENTRY6STAB/EN
Tapping 100 volts line, watts	6/3/1.5/0.75/0.25	6/3/1.5/0.75/0.25	2 x (6/3/1.5/0.75/0.25)	2 x (6/3/1.5/0.75/0.25)
Effective frequency range, Hz	180 - 18,000	180 - 18,000	220 - 16,500	200 - 20,000
SPL @ 1 m, 1 watt, dB	95	95	86	95
SPL @ 1 m, full power, dB	103	103	92	103
Dispersion at 1k/2k Hz, degrees	81/101 Horizontal 108/108 Vertical	81/101 Horizontal 108/108 Vertical	140/180	81/101 Horizontal 108/108 Vertical
Dimensions, L x H x P, mm	190 x 190 x 75	190 x 190 x 75	190 x 190 x 75	190 x 190 x 75
Colour	White RAL9016	White RAL9016	White RAL9016	White RAL9016
Material	Steel	Steel	Steel	Steel
IP-rating	52	52		
EN 54-24 compliance	Yes	Yes	No	Yes

SENTRY Series

Vandalproof Metal Cabinet Loudspeakers



FEATURES

- Anti-vandal protected metal housing
- Round form
- Ceiling or wall installation
- Water and dust resistant, IP52
- Capacitor for DC line monitoring (ENC version)

APPLICATIONS

- Train stations
- Car parks
- Subway stations

TECHNICAL CHARACTERISTICS

	SENTRY 6/RTC	SENTRY6RT/EN	SENTRY6RT/ENC
Tapping 100 volts line, watts	6/3/1.5/0.75/0.25	6/3/1.5/0.75/0.25	6/3/1.5/0.75/0.25
Effective frequency range, Hz	250 - 18,000	250 - 18,000	250 - 18,000
SPL @ 1 m, 1 watt, dB	90	95	95
SPL @ 1 m, full power, dB	97	102	102
Dispersion at 1k/2k Hz, degrees	140/110	119/100 Horizontal 77/99 Vertical	119/100 Horizontal 77/99 Vertical
Dimensions, front and depth, mm	194 x 75	194 x 75	194 x 75
Colour	White RAL9016	White RAL9016	White RAL9016
Material	Steel	Steel	Steel
IP-rating		52	52
EN 54-24 compliance	No	Yes	Yes

GB Series

Metal and Plastic Spherical Loudspeakers

EN54
Certified



GB 10/T



GB15T/EN



GB20T/EN

FEATURES

- Excellent reproduction of speech and music
- Wide sound coverage
- Elegant and sober design
- Economical
- Made of a UV-resistant reinforced ABS plastic (plastic version)
- Capacitor for DC line monitoring (ENC version)
- 5 strand braided cable provided with the GB10/T and GB20/T (no cable provided with other models)

APPLICATIONS

- Airports
- Shopping malls
- Sales areas
- Warehouses
- Factories

TECHNICAL CHARACTERISTICS

	GB 10/T	GB15T/EN	GB15T/ENC	GB 20/T	GB20T/EN	GB20T/ENC
Tapping 100 volts line, watts	6/3/1.7/0.75	15/7.5/3.75/1.875	15/7.5/3.75/1.875	20/10/5/2.5	20/10/5/2.5	20/10/5/2.5
Effective frequency range, Hz	220 - 18,000	180 - 20,000	180 - 20,000	80 - 18,000	80 - 18,000	80 - 18,000
SPL @ 1 m, 1 watt, dB	92	92	92	94	97	97
SPL @ 1 m, full power, dB	99	103	103	107	110	110
Dispersion at 1k/2k Hz, degrees	360/360 Horizontal 180/160 Vertical	83/38 Horizontal 82/39 Vertical	83/38 Horizontal 82/39 Vertical	360/360 Horizontal 160/140 Vertical	82/37 Horizontal 90/35 Vertical	82/37 Horizontal 90/35 Vertical
Dimensions, mm	181	182	182	254	254	254
Colour	White RAL9016	White RAL9016	White RAL9016	White RAL9016	White RAL9016	White RAL9016
Material	Metal	Plastic	Plastic	Plastic	Plastic	Plastic
IP-rating		33	33		33	33
EN 54-24 compliance	No	Yes	Yes	No	Yes	Yes

JD Series

Music Cabinet Loudspeakers



FEATURES

- Excellent reproduction of music
- Compact design
- Available for 2 kinds of colour (black and white)
- Die-cast aluminium swivel bracket

APPLICATIONS

- Retails
- Waiting rooms
- Bars
- Hotels
- Administrations
- Leisure centers

TECHNICAL CHARACTERISTICS

	JD 20/TB	JD 20/TW
Tapping 100 volts line, watts	20/10/5/2.5	20/10/5/2.5
Effective frequency range, Hz	63 - 20,000	63 - 20,000
SPL @ 1 m, 1 watt, dB	84	84
SPL @ 1 m, full power, dB	97	97
Dispersion at 1k/2k Hz, degrees	180/100	180/100
Dimensions, front and depth, mm	146 x 229 x 150	146 x 229 x 150
Colour	Black	White
Material	Plastic	Plastic
IP-rating		
EN 54-24 compliance	No	No

FORMAT Series

Low Impedance Professional Cabinet Loudspeakers



FEATURES

- 8 ohms
- Excellent audio quality (reproduction of music)
- Voice clarity
- Modern design
- Quick and easy installation
- Available for 2 kinds of colour (black and white)

APPLICATIONS

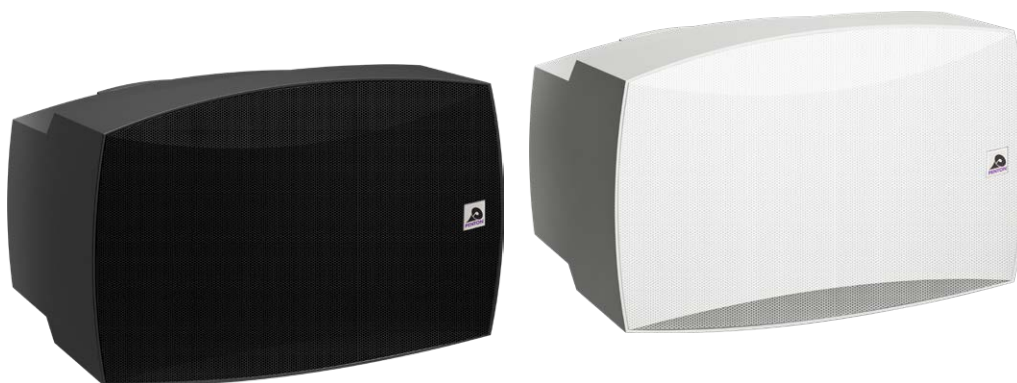
- Hotels
- Restaurants
- Public houses
- Bars
- Shops
- Offices

TECHNICAL CHARACTERISTICS

	FORMAT20W	FORMAT20B	FORMAT40W	FORMAT40B
Rated power, watts	20 RMS 40 Burst	20 RMS 40 Burst	40 RMS 80 Burst	40 RMS 80 Burst
Effective frequency range, Hz	76 - 20,000	76 - 20,000	55 - 20,000	55 - 20,000
SPL @ 1 m, 1 watt, dB	85	85	87	87
SPL @ 1 m, full power, dB	98	98	103	103
Dimensions, front and depth, mm	265 x 175 x 160	265 x 175 x 160	365 x 240 x 210	365 x 240 x 210
Colour	White	Black	White	Black
Material	ABS	ABS	ABS	ABS
EN 54-24 compliance	No	No	No	No

FORMAT Series

Professional Cabinet Loudspeakers (8 ohms & 100 Volt version)



FEATURES

- 8 ohms and 100 V line
- Excellent audio quality (reproduction of music)
- Voice clarity
- Modern design
- Quick and easy installation
- Available for 2 kinds of colour (black and white)

APPLICATIONS

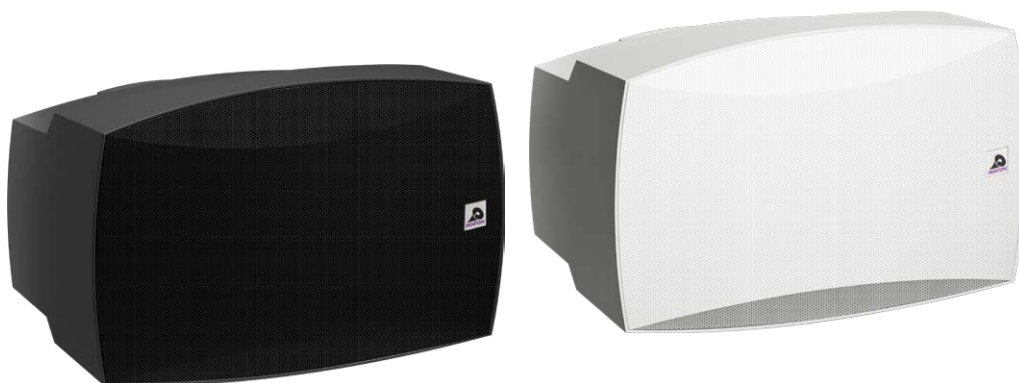
- Hotels
- Restaurants
- Public houses
- Bars
- Shops
- Offices

TECHNICAL CHARACTERISTICS

	FORMAT20/TW	FORMAT20/TB	FORMAT40/TW	FORMAT40/TB
Rated power, watts	20	20	40	40
Tapping 100 volt line, watts	20/10/5/2.5	20/10/5/2.5	40/20/10/5	40/20/10/5
Effective frequency range, Hz	76 - 20,000	76 - 20,000	55 - 20,000	55 - 20,000
SPL @ 1 m, 1 watt, dB	85	85	87	87
SPL @ 1 m, full power, dB	98	98	103	103
Dimensions, front and depth, mm	265 x 175 x 160	265 x 175 x 160	365 x 240 x 210	365 x 240 x 210
Colour	White	Black	White	Black
Material	ABS	ABS	ABS	ABS
EN 54-24 compliance	No	No	No	No

FORMAT Series

IP Professional Cabinet Loudspeakers



FEATURES

- PoE+ IP DSP amplifier module
- Optional high sensitivity microphone and input module for hand-free duplex intercom
- Excellent audio quality (reproduction of music)
- Voice clarity
- Modern design
- Quick and easy installation
- Available for 2 kinds of colour (black and white)

APPLICATIONS

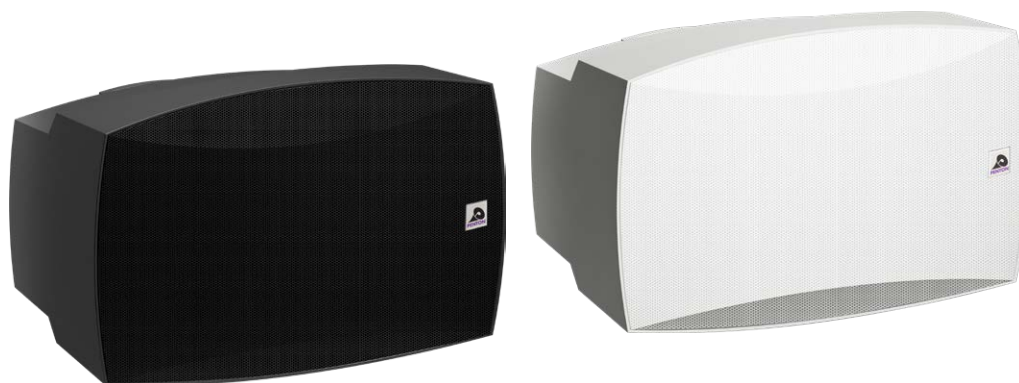
- Hotels
- Restaurants
- Public houses
- Bars
- Shops
- Offices

TECHNICAL CHARACTERISTICS

	FORMAT20W-IP	FORMAT20B-IP	FORMAT20W-IPM	FORMAT20B-IPM
Rated power, watts	20	20	20	20
Tapping 100 volt line, watts	20/10/5/2.5	20/10/5/2.5	20/10/5/2.5	20/10/5/2.5
Effective frequency range, Hz	76 - 20,000	76 - 20,000	76 - 20,000	76 - 20,000
SPL @ 1 m, 1 watt, dB	85	85	85	85
SPL @ 1 m, full power, dB	98	98	98	98
Mic input module & capsule	No	No	Yes	Yes
Dimensions, front and depth, mm	265 x 175 x 160	265 x 175 x 160	265 x 175 x 160	265 x 175 x 160
Colour	White	Black	White	Black
Material	ABS	ABS	ABS	ABS
EN 54-24 compliance	No	No	No	No

FORMAT Series

IP Professional Cabinet Loudspeakers



FEATURES

- PoE+ IP DSP amplifier module
- 8 ohms and 100 V line
- Optional high sensitivity microphone and input module for hand-free duplex intercom
- Excellent audio quality (reproduction of music)
- Voice clarity
- Modern design
- Quick and easy installation
- Available for 2 kinds of colour (black and white)

APPLICATIONS

- Hotels
- Restaurants
- Public houses
- Bars
- Shops
- Offices

TECHNICAL CHARACTERISTICS

	FORMAT40/TW-IP	FORMAT40/TB-IP	FORMAT40/TW-IPM	FORMAT40/TB-IPM
Rated power, watts	40	40	40	40
Tapping 100 volt line, watts	40/20/10/5	40/20/10/5	40/20/10/5	40/20/10/5
Effective frequency range, Hz	55 - 20,000	55 - 20,000	55 - 20,000	55 - 20,000
SPL @ 1 m, 1 watt, dB	87	87	87	87
SPL @ 1 m, full power, dB	103	103	103	103
Mic input module & capsule	No	No	Yes	Yes
Dimensions, front and depth, mm	365 x 240 x 210	365 x 240 x 210	365 x 240 x 210	365 x 240 x 210
Colour	White	Black	White	Black
Material	ABS	ABS	ABS	ABS
EN 54-24 compliance	No	No	No	No

PH Series

Weatherproof Active Horn Loudspeakers



FEATURES

- High quality, powerful 20W Low Impedance class D amplifier
- Internal volume control
- Ideal for CCTV, Security and Public Address applications
- Simple installation
- Made of a UV-resistant reinforced ABS plastic
Specifically designed for use in humid and saline environment
- Water and dust resistant

APPLICATIONS

- CCTV
- Streets
- Industrial sites
- Train stations
- Small stadiums

TECHNICAL CHARACTERISTICS

	PH20A-24
Rated power, watts	20
Driver impedance, ohms	8
Effective frequency range, Hz	250 - 8,000
SPL @ 1 m, 1 watt, dB	104
SPL @ 1 m, full power, dB	117
Audio input	Line in (0 dBV) balanced or unbalanced
Signal to noise ration (EIN), dB	72
Power supply	18-30 V AC or DC
Dimensions, front and depth, mm	203 x 254
Colour	Grey RAL7035
Material	ABS
IP-rating	66
EN 54-24 compliance	No

APH-IP Series

Weatherproof IP Horn Loudspeakers



FEATURES

- Integrate a PoE 20 Watts amplifier
- 3 control inputs for level control and source selection
- 1 relay contact output
- 1 microphone input (APH30-IPM)
- Configured, controlled, managed and monitored via web browser
- Network audio codec: G.711, G.722, WAV, mp3
- Third party control with TERRACOM System
- Support VoIP call via SIP protocol

APPLICATIONS

- Military
- Airports
- Small stadiums
- Schools
- Train stations
- Streets
- Industrial site
- Universities

TECHNICAL CHARACTERISTICS

	APH30-IP	APH30-IPM
Rated power, Watts	20	20
Effective frequency range, Hz	340 - 16,000	340 - 16,000
SPL @ 1 m, 1 Watt, dB	106	106
SPL @ 1 m, full power, dB	120	120
Power supply	PoE+ 24 VDC power transformer	PoE+ 24 VDC power transformer
Microphone input	No	Yes
Dimensions, front and depth, mm	258 x 180 x 280	258 x 180 x 280
Colour	Grey	Grey
Material	Plastic	Plastic
IP-rating	66	66
EN 54-24 compliance	No	No

JD-IP Series

Music Cabinet IP Loudspeakers



FEATURES

- Integrate a PoE 20 Watts amplifier
- 3 control inputs for level control and source selection
- 1 relay contact output
- 1 microphone input (JD20B-IPM & JD20W-IPM)
- Configured, controlled, managed and monitored via web browser
- Network audio codec: G.711, G.722, WAV, mp3
- Third party control with TERRACOM System
- Support VoIP call via SIP protocol

APPLICATIONS

- Hotels
- Bars
- Restaurants
- Shops
- Public houses
- Offices
- Administrations
- Train stations
- Airports
- Schools
- Universities

TECHNICAL CHARACTERISTICS

	JD20B-IP	JD20B-IPM	JD20W-IP	JD20W-IPM
Rated power, Watts	20	20	20	20
Effective frequency range, Hz	63 - 20,000	63 - 20,000	63 - 20,000	63 - 20,000
SPL @ 1 m, 1 Watt, dB	84	84	84	84
SPL @ 1 m, full power, dB	97	97	97	97
Power supply	PoE+ 24 VDC power transformer	PoE+ 24 VDC power transformer	PoE+ 24 VDC power transformer	PoE+ 24 VDC power transformer
Microphone input	No	Yes	No	Yes
Dimensions, front and depth, mm	146 x 229 x 150	146 x 229 x 150	146 x 229 x 150	146 x 229 x 150
Colour	Black	Black	White	White
Material	ABS	ABS	ABS	ABS
EN 54-24 compliance	No	No	No	No

PBC-IP Series

Design Wallmount IP Loudspeakers



FEATURES

- Integrate a PoE 20 Watts amplifier
- 3 control inputs for level control and source selection
- 1 relay contact output
- 1 microphone input (PBC10CX-IPM)
- Configured, controlled, managed and monitored via web browser
- Network audio codec: G.711, G.722, WAV, mp3
- Third party control with TERRACOM System
- Support VoIP call via SIP protocol

APPLICATIONS

- Hotels
- Bars
- Restaurants
- Shops
- Public houses
- Offices
- Administrations
- Train stations
- Airports
- Schools
- Universities

TECHNICAL CHARACTERISTICS

	PBC10CX-IP	PBC10CX-IPM
Rated power, Watts	20	20
Effective frequency range, Hz	80 - 20,000	80 - 20,000
SPL @ 1 m, 1 Watt, dB	89	89
SPL @ 1 m, full power, dB	99	99
Power supply	PoE+ 24 VDC power transformer	PoE+ 24 VDC power transformer
Microphone input	No	Yes
Dimensions, front and depth, mm	330 x 243,5 x 90	330 x 243,5 x 90
Colour	White	White
Material	Plastic	Plastic
IP rating	21	21
EN 54-24 compliance	No	No

RCS-IP Series

Ceiling IP Loudspeakers



FEATURES

- Integrate a PoE 20 Watts amplifier
- 3 control inputs for level control and source selection
- 1 relay contact output
- 1 microphone input (RCS6-IPM)
- Configured, controlled, managed and monitored via web browser
- Network audio codec: G.711, G.722, WAV, mp3
- Third party control with TERRACOM System
- Support VoIP call via SIP protocol

APPLICATIONS

- Hotels
- Bars
- Restaurants
- Shops
- Public houses
- Offices
- Administrations
- Train stations
- Airports
- Schools
- Universities

TECHNICAL CHARACTERISTICS

	RCS6-IP	RCS6-IPM
Rated power, Watts	20	20
Effective frequency range, Hz	65 - 18,500	65 - 18,500
SPL @ 1 m, 1 Watt, dB	95	95
SPL @ 1 m, full power, dB	103	103
Power supply	PoE+ 24 VDC power transformer	PoE+ 24 VDC power transformer
Microphone input	No	Yes
Dimensions, front and depth, mm	239 x 110	239 x 110
Colour	White	White
Material	Plastic	Plastic
IP rating	21	21
EN 54-24 compliance	No	No



Notes

[illegible]



www.ateis-europe.com



**ATEIS Europe B.V.
Europe & Africa**

Celsiusstraat 1 - 2652 XN Lansingerland
(Rotterdam Region), Netherlands
Tel: +31 (0)10 2088690
info.eu@ateis.global



ATEIS Suisse SA

Avenue des Baumettes 9, 1020 Renens VD,
Switzerland
info.ch@ateis.global



ATEIS France

8, rue de l'Europe - ZA de Font Ratel,
38640 Claix, France
Tel: +33 (0)4 76992630
contact@ateis.com



ATEIS Deutschland GmbH

Bahnhofstrasse 18
D-74906 Bad Rappenau, Deutschland
Tél : +49 (0)7264 702 40 60
info.de@ateis.global



ATEIS SE Europe

Sime Lukina Lazića 12-B, 11040 Belgrade
Serbia
Tel: +381 (0)11 40 89 617
info.se@ateis.global



ATEIS Iberia SL

C/ Can Pantiquet 81
08100 Mollet del Vallés (Barcelona)
España/Spain
ateis.iberia@ateis.global