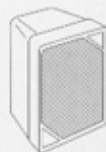


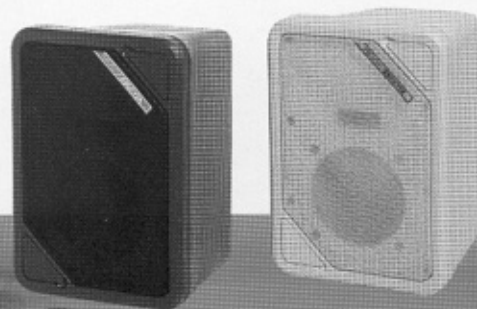
**LOUDSPEAKERS**

COMPACT SPEAKERS

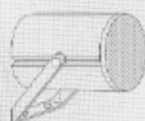


In the various fields of sound reproduction, the RB20XX range of speakers corresponds to a very wide array of applications that demand both design and acoustic quality. These speakers, whose cabinets are made of moulded polypropylene, are remarkably simple to use. In addition to a swivel fixture on all the models, Bouyer also proposes a full array of accessories as options, allowing for a wide diversity of configurations.

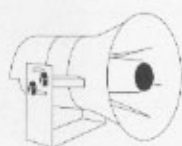
REFERENCE	RB 2040	RB 2041	RB 2051
DESCRIPTION	Compact speaker 1 way	Compact speaker 1 way	Compact speaker 1 way
STYLE	Rectangular	Rectangular	Rectangular
MATERIAL	Polypropylene - Metal grille	Polypropylene - Metal grille	Polypropylene - Metal grille
COLOUR	Anthracite grey or white	Anthracite grey or white	Anthracite grey or white
LOUDSPEAKER	10 cm	10 cm	10 cm
S.P.L.	91 dBA/1W/1m 98 dBA/5W/1m	91 dBA/1W/1m 98 dBA/5W/1m	92 dBA/1W/1m 102 dBA/10W/1m
BANDWIDTH	120 - 16 000 Hz	120 - 16 000 Hz	100 - 17 000 Hz
DISPERSION ANGLE (-6 dBA)	120°	120°	120°
NOMINAL POWER			
Low impedance	5 W / 16 Ω		10 W / 8 Ω
100 V line		5-2 W	10-4-1.6-0.6 W
70 V line		2.5-1 W	5-2-0.8-0.3 W
50 V line		1.2-0.5 W	2.5-1-0.4-0.15 W
CONNECTION	Pushbutton terminals	Pushbutton terminals	Pushbutton terminals
DIMENSIONS W x D x H (mm)	175 x 142 x 247	175 x 142 x 247	175 x 142 x 247
WEIGHT (kg)	1.9	2.1	2.2
INSTRUCTION BOOKLET	595 791	595 791	595 791
OPTIONS	See accessories p. 21/22	See accessories p. 21/22	See accessories p. 21/22
FEATURES	Swivel fixture (anti-theft)	Swivel fixture (anti-theft)	Swivel fixture (anti-theft). HP dual cone, latex. Optiself power switch on front panel.



SUBSTATIONS



REFERENCE	PS 111	PS 801	PS 901	PS 911
DESCRIPTION	Substation handset	1-way - high power substation	1-way substation for harsh environments	Substation 1-way
MAXIMUM POWER	For master station 1 W	5 W max	0.5 W max	5 W max
PRESENTATION	Support + ABS handset	ABS	Metal cabinet	Metal - ABS
COLOUR	Beige	Grey - RAL 7035	Grey and black	Stone white (RAL 1013)
IMPEDANCE	50 Ω	50 Ω	50 Ω	50 Ω
CONNECTION CABLE	1 pair, screened	1 pair, screened	1 pair, screened	1 pair, screened
FUNCTIONS				
Call to master station	Automatic		Manual	Manual
DIMENSIONS W x D x H (mm)	215 x 62 x 98 mm	Ø 132 x 195	187 x 67 x 92 mm	177 x 86 x 90 mm
WEIGHT (kg)	0,380	0,9	0,7	1,25
INSTRUCTION BOOKLET	595 920	595 836	595 889	596 090
OPTIONS		PZ 11 : Call button	PZ 10 : Mic headset	
FEATURES	For private conversations.	Swivel bracket. Can be used with a "response" station such as PS 2601 or PS 901.	Can be used as "response" station with high power master station. Jack plug for PZ 10 mic headset.	Private mode, can be disconnected. Wall mount supplied, not assembled.



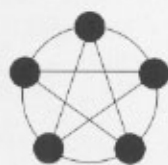
REFERENCE	PS 311	PS 2601	PZ 10
DESCRIPTION	1-way high power substation	1-way indoor/outdoor substation	Mic headset for use in noisy environment
MAXIMUM POWER	15 W max	1 W	200 mW
PRESENTATION	Horn loudspeaker	Metal cabinet	
COLOUR	Grey - RAL 7035	Ivory - RAL 1013	Grey and black
IMPEDANCE	50 Ω	50 Ω	
CONNECTION CABLE	1 pair, screened	1 pair, screened	Coiled cable + jack
FUNCTIONS			6,35
Call to master station			Manual on PS 901
DIMENSIONS W x D x H (mm)	Ø 180 x 224 mm	118 x 118 x 40 mm	
WEIGHT (kg)	1,6	0,35	0,275
INSTRUCTION BOOKLET	595 836	596 271	595 889
OPTIONS	PZ 11 : Call button		
FEATURES	Swivel bracket. Can be used with a "response" station such as PS 2601.	Hole for flush mounting on front panel Ø 100 mm. Fixing distance : 100 x 100 mm Depth : 40 mm Front panel fix. : 4 impregnable screws Waterproof, anti-vandal push button.	Dynamic mic. Sound-insulated headset.

UNITS



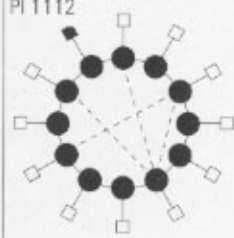
PI 1105	PI 1112
5-station intercom	12-station intercom
	+ 12 substations
1 W	1 W
Metal cabinet	Metal cabinet
Anthracite grey	Anthracite grey
230 V, 5 VA in separate cabinet (supplied)	230 V, 7 VA in separate cabinet (supplied)
5 (PI 1105)	12 (PI 1112)
None	12 substations
None	All substations
2 pairs, screened	3 pairs, screened
Tone	Tone
Line busy	Line busy, private call, duplex, broadcast
	Tone
Manual	Manual or automatic
207 x 144 x 55 mm	207 x 144 x 55 mm
1	1
596 032	596 033
Volume control. Connection box linked to unit with 1.80 m cable.	Omnibus cabling for network. Volume control. Connection box linked to unit by 2 m cable.

PI 1105



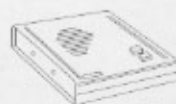
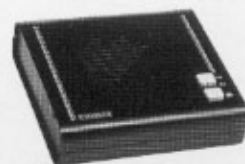
Scheme of directions number

PI 1112



Scheme of directions number

SUBSTATIONS



REFERENCE	PS 1101
DESCRIPTION	substation
	1-way
MAXIMUM POWER	2 W max
PRESENTATION	Metal cabinet
COLOUR	Anthracite grey
IMPEDANCE	16 Ω
CONNECTION CABLE	1 pair (screened in high interference area)
FUNCTIONS	
Call to master station	Manual
DIMENSIONS W x D x H (mm)	155 x 145 x 40 mm
WEIGHT (kg)	0.7
INSTRUCTION BOOKLET	596 002
FEATURES	Wall-mounting bracket supplied.



REFERENCE	PS 1510
DESCRIPTION	substation - Alarm unit
MAXIMUM POWER	Metal cabinet - wall-mounted
PRESENTATION	Red - RAL 3020
COLOUR	50 Ω
IMPEDANCE	1 pair, screened
CONNECTION CABLE	
FUNCTIONS	Manual
Call to master station	93 x 38 x 143 mm
DIMENSIONS W x D x H (mm)	0.5
WEIGHT (kg)	596 260
INSTRUCTION BOOKLET	2 cable seals.
FEATURES	Alarm with flexible plate.

Intended to operate in association with master stations, 1-way substations are designed for use in the service and industrial sectors and offer maximum power of 1, 2 or 5 W.

HIGH POWER MASTER STATIONS



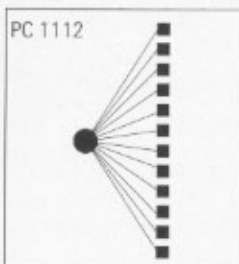
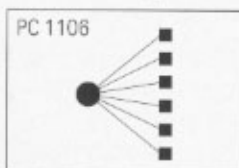
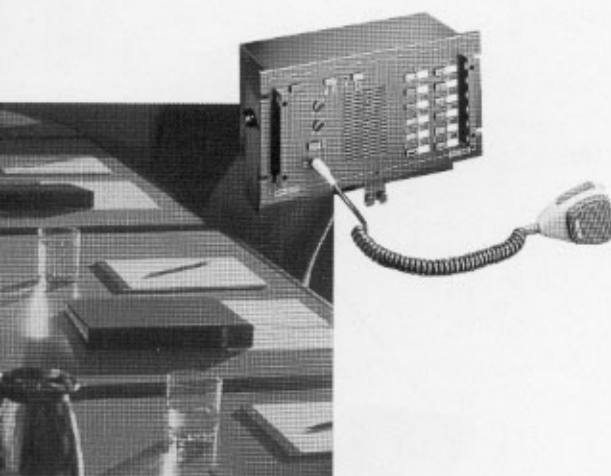
With intercoms or public address systems in noisy locations as their vocation, power master stations are specifically intended for equipping ships, industrial premises and emergency centres, to cite but a few of their most common applications.

REFERENCE	PC 1106 / PC 1112
DESCRIPTION	6- / 12- way master station
POWER	15 W
PRESENTATION	Metal cabinet
COLOUR	Black
POWER SUPPLY	12-48 V - 3,2 A max
NUMBER OF SUBSTATIONS	6/12
IMPEDANCE (SUBSTATIONS)	16 Ω ou 50 Ω
TYPE OF SUBSTATIONS	PS 311-801-901
CONNECTION CABLE	1 pair, screened
FUNCTIONS	
Call	
Call to substation	Speech or tone
Call from substation	Tone
Indicators	Call memorized
All call	
Talk/listen mode	Manual
DIMENSIONS W x D x H (mm)	332 x 172 x 170 mm
WEIGHT (kg)	3,1/3,4
INSTRUCTION BOOKLET	595 815
OPTIONS	PZ 12 : mains power supply

FEATURES	Volume control. Cabinet can be flush-mounted. Fixture bar. Hand-held mic supplied.
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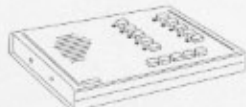
Thanks to the PI 1112 intercom, a network can be built of up to 12 stations which can communicate freely amongst themselves. To each of the main PI 1112 stations can also be added a substation, which in turn can call the master station to which it is linked. It can also receive calls from any of the PI 1112 intercoms in the network.

REFERENCE	
DESCRIPTION	
POWER	
PRESENTATION	
COLOUR	
POWER SUPPLY	
NUMBER OF SUBSTATIONS	
TYPE OF SUBSTATIONS	
CONNECTION CABLE	
FUNCTIONS	
Call	
Call to substation	
Call from substation	
Indicators	
All call	
Talk/listen mode	
DIMENSIONS W x D x H (mm)	
WEIGHT (kg)	
INSTRUCTION BOOKLET	
FEATURES	



Scheme of directions number

MASTER STATIONS



PC 1151 / 1153 / 1155	PC 1205	PC 1110	GX 2020	IZ 2020
Master stations	Master stations	Master stations	20 to 80 way master microphone station for IZ 2020 console	20-way intercom console for GX 2020
1 / 3 / 5 way	5 way	10 way		
1.4 W	1.4 W	1.2 W		
1.4 W / 16 Ω	1.4 W / 16 Ω	1.2 W / 16 Ω		
0.8 W / 50 Ω	0.8 W / 50 Ω	0.5 W / 50 Ω		
Metal cabinet	Metal cabinet	Metal cabinet	Metal cabinet	Metal cabinet
Anthracite grey	Anthracite grey	Anthracite grey	Anthracite grey	Anthracite grey
230 V - 6 VA / 24 V - 250 mA	230 V - 6 VA / 24 V - 250 mA	230 V / 15 VA	Via IZ 2020	12 V
1/3/5	5	10	20 to 80	20
16 or 50 Ω	16 or 50 Ω	16 ou 50 Ω	16 to 50 Ω via IZ 2020	16 à 50 Ω
Any	Any	Any	Any	Any
1 pair per direction (screened in high interference area)	1 pair per direction (screened in high interference area)	1 pair, screened, per direction	RS 485 bus with IZ 2020	RS 485 bus with IZ 2020 and 1 pair, screened, to PS
Speech or tone	Speech or tone	Speech or tone	Tone	Via GX 2020
Tone and light	Tone and light	Tone and light	Tone + display of caller's n°	Via GX 2020
Yes	Yes	Yes	Yes, on LCD	on GX 2020
No	Yes	No	No	No
Manual	Manual	Manual	Manual	
No	No	Yes	Yes	Via GX 2020
207 x 144 x 55	207 x 144 x 55	282 x 144 x 55	206 x 135 x 51	378 x 206 x 75 mm
1	1	2,4	1	3,4
596 121 / 122 / 123	596 013	596 169	596 270	596 270
			IZ 2020: intercom console For use with IZ 2020 console.	For use with the GX 2020 master station.

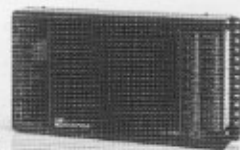
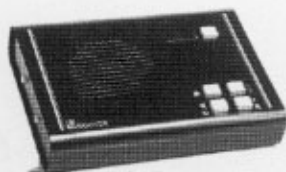
Volume control. Wall-mounting bracket included. Connection box linked to station with 1.80 m cable. Relay for electric door-release.

Volume control. Wall-mounting bracket supplied. Connection box linked to station with 1.80 m cable.

Volume control. Connection box linked to station with 1.80 m cable. Relay for electric door-release.

To install 80 substations, 4 x IZ 2020 must be linked with the GX 2020. 16-key keyboard. Volume control for microphone (talk) and loudspeaker (listen) on console keyboard. LCD display of incoming and outgoing calls. Compatible with the Intraparc system.

An AUX input allows for broadcasting of a tone or musical source to the substations. Connection of an additional GX 2020 possible for the same installation.





CP 232

REFERENCE

Portable unit

DESCRIPTION

Wood

MATERIAL

Grey - RAL 7015

COLOUR

17 cm - dual cone

LOUDSPEAKER

92 dBA/1W/1m

SPL

105 dBA/20W/1m

60 - 15 000 Hz

BANDWIDTH

20 W

NOMINAL POWER

POWER SUPPLY

230 V - 50 VA

Mains

13.2 V exterior

Battery

10 x 1.5 V (R20)

Batteries

SOURCES

Hand-held mic.

MICROPHONE

RF GM 202 mic included

with counter

Cassette player/recorder

Other

1 AUX + 1 MIC + 1 MIC/AUX

INPUT

Extra loudspeaker

OUTPUT

345 x 225 x 440

DIMENSIONS W x D x H (mm)

8.7

WEIGHT (kg) (without batteries)

598 256

INSTRUCTION BOOKLET

ZR 1030 : mounting accessory

for use with ZR 1012 floor stand.

CZ 200 : transport cover

CZ 230 : Complementary LS

Storage compartment

for mains cable

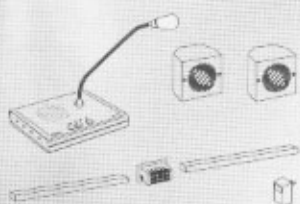
and microphone.

Handle.

FEATURES



SPEAK THROUGH INTERCOM



Protection of employees does not exclude conviviality in their dealings with the public. As proven by the IG 1800 intercom system which permits hands-free dialogue in an integrated duplex unit. This system is ideally suited to closed-window counters where people have to speak to each other through a glass or plexiglass window, made necessary by considerations of hygiene or security: banks, savings trusts, public buildings, museums, historic monuments, cinemas, theatres, betting shops... not forgetting prisons.

REFERENCE	IG 1800
DESCRIPTION	Complete set comprising :
	1 microphone console (employee side)
	1x230 V POWER SUPPLY (employee side)
	1 mic module (customer side)
	2 loudspeakers (customer side)
	2 mic cable strips (customer side)
POWER SUPPLY	230 V / 6 VA
BANDWIDTH	200 - 10 000 Hz
Harmonic distortion rate at 1kHz	< 1 %
INSTRUCTION BOOKLET	595 956

FLAGSHIP PRODUCT

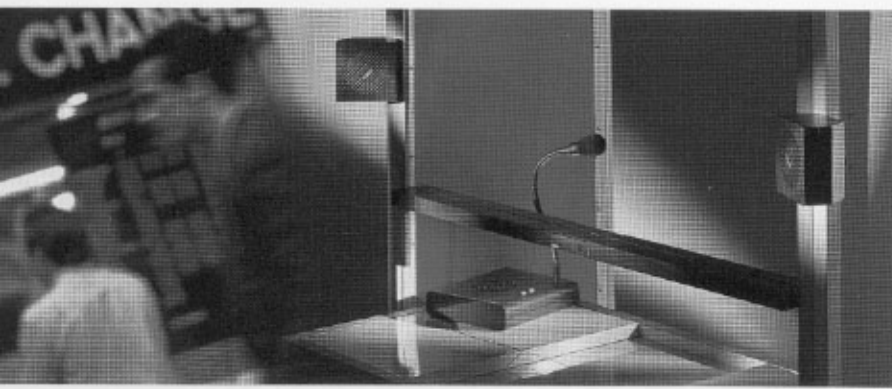
The latest generation of Bouyer system architecture introduces a control console, the GX 2020, and a central intercom unit, the IZ 2020, capable of handling up to 20 substations. In addition to the classic functions provided by a master station, this system offers line monitoring for the associated substations and transmission of an auxiliary modulation provided, for example, by a musical source.

The GX 2020 + IZ 2020 solution is an open system, compatible with the Intraparc system for remote car-park management (consult us for this particular application).

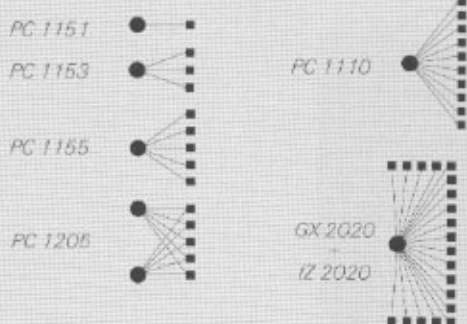
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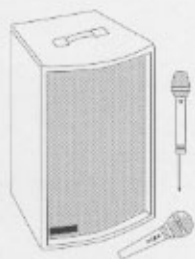
DESCRIPTION
POWER
Master console substation
PRESENTATION
COLOUR
MIXED POWER SUPPLY
NUMBER OF SUBSTATIONS
IMPEDANCE (substations)
TYPE OF SUBSTATIONS
CONNECTION CABLE
FUNCTIONS
Call to substation
Call from substation
Memorized call indicator
Built-in substation
Talk/listen mode
All call
DIMENSIONS W x D x H (mm)
WEIGHT (kg)
INSTRUCTION BOOKLET
OPTIONS

FEATURES



Scheme of directions number





CP 232

REFERENCE

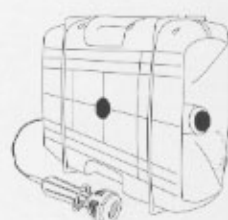
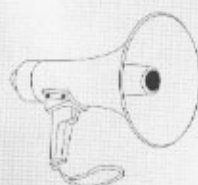
Portable unit	DESCRIPTION
Wood	MATERIAL
Grey - RAL 7015	COLOUR
17 cm - dual cone	LOUDSPEAKER
92 dBA/1W/1m	SPL
105 dBA/20W/1m	
60 - 15 000 Hz	BANDWIDTH
20 W	NOMINAL POWER
	POWER SUPPLY
230 V - 50 VA	Mains
13.2 V exterior	Battery
10 x 1.5 V (R20)	Batteries
	SOURCES
Hand-held mic.	MICROPHONE
RF GM 202 mic included	
with counter	Cassette player/recorder
	Other
1 AUX + 1 MIC + 1 MIC/AUX	INPUT
Extra loudspeaker	OUTPUT
345 x 225 x 440	DIMENSIONS W x D x H (mm)
8.7	WEIGHT (kg) (without batteries)
596 256	INSTRUCTION BOOKLET
ZR 1030 : mounting accessory for use with ZR 1012 floor stand.	OPTIONS
CZ 200 : transport cover	
CZ 230 : Complementary LS	
Storage compartment for mains cable and microphone. Handle.	FEATURES





PORTABLE UNITS

To traditional loudhailers, either hand-held or set in place, Bouyer has added a new generation of portable units (called CP 15, comprised of 3 models in bright colours which combine sound quality and attractive design. Easy to carry thanks to their shoulder-straps and fitted with rechargeable batteries, they can be used indoors or out and even offer the possibility of connecting another source with separate adjustment of sound levels.



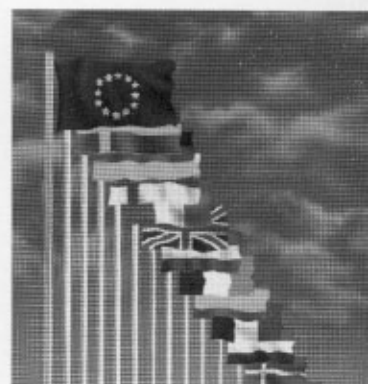
REFERENCE	CP 10	CP 15	CP 801
DESCRIPTION	Loudhailer	Portable unit	Super-mega flex loudhailer
MATERIAL	Aluminium	Metal	ABS
COLOUR	Red/ grey	Red, yellow or blue	Anthracite grey
LOUDSPEAKER	Compression chamber	10 cm	Compression chamber
SPL	104 dBA/1W/1m	90 dBA/1W/1m	104 dBA/1W/1m
	109 dBA/6W/1m	102 dBA/15W/1m	114 dBA/12W/1m
BANDWIDTH	700 - 8000 Hz	150 - 17 000 Hz	350 - 5000 Hz
NOMINAL POWER	6 W	15 W	12 W
POWER SUPPLY			
Mains			
Battery		12 V interior	12 V exterior
Batteries	8x 1.5 V (R6) - 0.5 A to 3 W		9x 1.5 V (R20) - 1.7 A to 12 W
SOURCES			
Mic	Built-in Electret	Hand-held Electret	Special GM 24
Cassette player/recorder			
Other			Modulated siren
INPUT		1 AUX + 1 MIC	1 AUX
OUTPUT			1 extra loudspeaker 4 Ω
DIMENSIONS W x D x H (mm)	Ø 225 x 358	130 x 275 x 130	135 x 380 x 356
WEIGHT (kg) (without batteries)	1.5	2.5	3.6
INSTRUCTION BOOKLET	595 375	596 219	596 080
OPTIONS			

FEATURES	Shoulder strap	Supplied with rechargeable battery, shoulder strap. Separate input control.	On/Off switch. Siren and volume control on MIC. Sandows shoulder strap.
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EL 761	EL 720	EL 745	EL 734	REFERENCE
Delegate console	Connection unit	Earphone	Console selector	DESCRIPTION
			"armchair model"	
Metal	Metal		Metal	MATERIAL
Anthracite grey	Anthracite grey			COLOUR
				POWER SUPPLY
1				LOUDSPEAKER
				AMPLI/PRE-AMPLI
Unidirectional				ELECTRET MICROPHONE
1 x 2 m	1 x 2 m			CABLE SUPPLIED
				INPUT
207 x 144 x 36	50 x 81 x 25			DIMENSIONS W x D x H (mm)
0.92	0.1			WEIGHT (kg)
596 084	596 081	596 081		INSTRUCTION BOOKLET
EL 745 : earphone			Operate with the EL 739 distribution cabinet.	OPTIONS
Microphone live indicator. 4 language selector.	Connects the control unit to the interpreter consoles.	For use with delegate consoles.	Volume control 3-language + speaker selection switch. Headset connection : 6.35 jack.	FEATURES





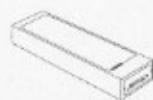
SIMULTANEOUS INTERPRETATION SYSTEMS



Boyer's simultaneous interpretation system can handle 3 different languages plus a "speaker" language, and allows for up to 60 delegate consoles. This network system brings into play 3 types of console (Interpreter, Chairman and Delegate), plus the interpreter console (2 interpreters), and complies with international standards. By adding an accessory (EL 739) for connection to the chosen amplifier, it is possible to complete the system with consoles built into the audience's seats.

REFERENCE	EL 700	EL 750	EL 760
DESCRIPTION	Control unit	Dual "Interpretors" console	Chairman console
MATERIAL	Metal	Metal	Metal
COLOUR	Anthracite grey	Anthracite grey	Anthracite grey
POWER SUPPLY	230 V		
LOUDSPEAKER			1
AMPLI/PRE-AMPLI	7 W		
ELECTRET MICROPHONE	No	Via GM 1053	Unidirectional
CABLE SUPPLIED	1 x 5 m		1 x 2 m
INPUT	3 interpreters, 1 speaker	2 MIC	
DIMENSIONS W x D x H (mm)	425 x 325 x 98	297 x 210 x 40	207 x 144 x 36
WEIGHT (kg)	5.8	1.9	0.95
INSTRUCTION BOOKLET	596 081	596 087	596 084
OPTIONS		GM 1053 : interpreter's microphone.	EL 745 : earphone EL 734
FEATURES	For 60 consoles max. Record/play socket. 0 dB output. 4 programmed functions.	Complies with international standards. Recognized by professional interpreters.	Microphone live indicator. Over-rides all other consoles. 4 language selector.





EC 412	EC 420	EZ 1225	REFERENCE
Secretary console	Connection unit	Telephone coupler/ EC 400 control unit	DESCRIPTION
ABS	Metal	Metal	MATERIAL
Anthracite grey	Anthracite grey	Black	COLOUR
24 V		230 V - 50/60 Hz	POWER SUPPLY
1			LOUDSPEAKER
			AMPLI/PRE-AMPLI
No			ELECTRET MICROPHONE
1 x 2 m		+6 dBm/tel. line./DIN	CABLE SUPPLIED
		-10 dBm min.	INPUT
110 x 150 x 45	108 x 43 x 33	86 x 298 x 41	DIMENSIONS W x D x H (mm)
1	0.18	1	WEIGHT (kg)
596 251	596 251	595 985	INSTRUCTION BOOKLET
EC 417 : Flush-mounted version	EC 421 : 2m extension cable EC 422 : 5m extension cable		OPTIONS
Headset and recording sockets.	Long distance connection.	For use with private auto-switching system and EC 401 control unit. Impedance : 600 Ω	FEATURES





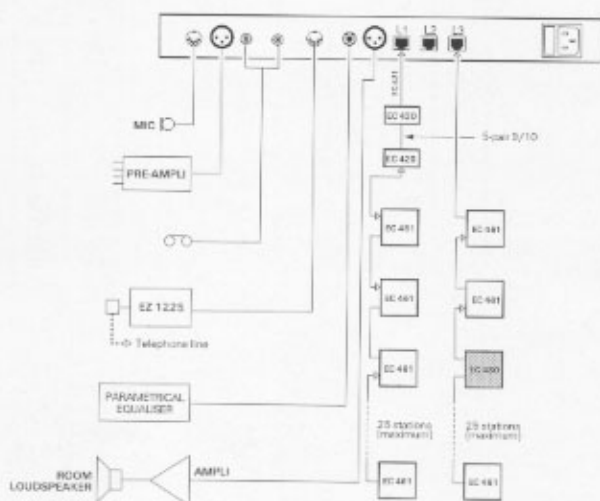
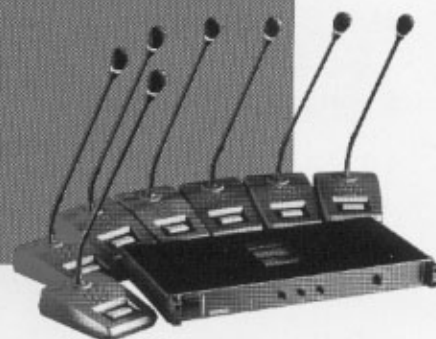
CONFERENCE SYSTEMS



The equipment comprising the family of conference system products has been designed to provide a wide variety of configurations in association with Chairman, Delegate and Secretary consoles, complemented by the appropriate accessories.

The bus connection between the various consoles ensures quick and easy installation. The EC 401 control unit is designed for an installation of up to 50 consoles.

REFERENCE	EC 401	EC 460	EC 461
DESCRIPTION	Control unit	Chairman console	Delegate console
MATERIAL	Metal	ABS	ABS
COLOUR	Anthracite grey	Anthracite grey	Anthracite grey
POWER SUPPLY	230 V	24 V	24 V
LOUDSPEAKER			1
AMPLI/PRE-AMPLI	7 W		
ELECTRET MICROPHONE		Unidirectional	Unidirectional
CABLE SUPPLIED	1 x 5 m	1 x 2 m	1 x 2 m
INPUT			
DIMENSIONS W x D x H (mm)	422 x 230 x 45	110 x 150 x 45	110 x 150 x 45
WEIGHT (kg)	3.2	1.1	1.1
INSTRUCTION BOOKLET	596 251	595 702	595 702
OPTIONS		EC 465: Flush-mounted version	EC 466: Flush-mounted version
FEATURES	Input/output telephone interface. For 50 consoles max. Record/play socket. Ampli output, insertion of 4 programmed functions.	Over-ride indicator light. Over-rides all other consoles.	Over-ride indicator light.





MICROPHONES

MICROPHONE ACCESSORIES



REFERENCE	GZ 10	GZ 36	GZ 39	GZ 1921
DESCRIPTION	Mic clip	Thread adaptor	Thread adaptor	Unbal./Bal. adaptor
COLOUR	Anthracite grey	Anthracite grey	Anthracite grey	Anthracite grey
DIMENSIONS				62 x 36 x 30 mm
WEIGHT (kg)				
INSTRUCTION BOOKLET	595 902	595 902	595 902	596 241
FEATURES	For GM 820, GM 822, GM 845 3/8" thread.	Male 12 x 1.75 Female 3/8" x 16	Male 3/8" x 16 Female 12 x 1.75	For GM 921 microphone Female XLR input Male XLR output. Requires an input module with phantom power supply.



REFERENCE	GZ 17	GZ 18	GZ 1016	GZ 1018
DESCRIPTION	Gooseneck for GM 709	Gooseneck for GM 709	Male/female threaded gooseneck	Female DIN gooseneck
COLOUR	Chrome	Chrome	Anthracite grey	Anthracite grey
DIMENSIONS	L : 30 cm	L : 30 cm	L : 30 cm	L : 30 cm
WEIGHT (kg)	0.4	0.4	0.3	0.3
INSTRUCTION BOOKLET	595 902	595 902	595 902	595 902
FEATURES	For stands or bases. Supplied with GZ 772. On/Off switch. M12 thread.	For stands or bases. 5 m cable supplied. 3/8" thread.	For stands or bases. 3/8" thread.	For stands or bases. 10 m cable. 3/8" thread.



REFERENCE	GZ 774	GZ 775	GZ 776	GZ 25
DESCRIPTION	Female DIN wall socket 5 pin	Male XLR wall socket 3 pin	Female XLR wall socket 3 pin	Shield for Ø 22 mm mic.
COLOUR	White	White	White	Anthracite grey
DIMENSIONS	80 x 48 x 80 mm	80 x 48 x 80 mm	80 x 54 x 80 mm	
WEIGHT (kg)	0.2	0.2	0.2	
INSTRUCTION BOOKLET	595 581	595 581	595 581	595 902
FEATURES	Wall or flush-mounted Lockable connector.	Wall or flush-mounted Lockable connector.	Wall or flush-mounted Lockable connector.	For microphone consoles.

TABLE-TOP MICROPHONE



MICROPHONE ACCESSORIES



REFERENCE	GM 1880
DESCRIPTION	Table-top Speech microphone
TYPE	Electret
DIRECTIVITY	Cardioid
SENSITIVITY	2.5 mV / Pa (-52 dB)
BANDWIDTH	60 - 17 000 Hz
IMPEDANCE	600 Ω
CONNECTION	DIN + 2 m cable
MATERIAL	Metal and foam rubber
COLOUR	Black or white
POWER SUPPLY	5-18 V (DIN 45596)
DIMENSIONS (mm)	122 x 105 x 25
WEIGHT (kg)	0.11
INSTRUCTION BOOKLET	596 010
OPTIONS	Functions with AZ 1210 and AZ 1211 cards.

FEATURES	For use on a table or any flat surface in places of worship, conference rooms
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REFERENCE	GZ 55	GZ 769
DESCRIPTION	Floor stand, cast iron base	Folding floor stand with boom
COLOUR	Black and chrome	Black and chrome
DIMENSIONS	H: 0.8 à 1.5 m	H: 1 à 1.6 m
WEIGHT (kg)	5	2.5
INSTRUCTION BOOKLET	595 902	595 902
FEATURES	Telescopic tube. Compatible with all micros. 3/8" thread.	Built-in adjustable boom. 3/8" thread.



REFERENCE	GZ 760	GZ 758
DESCRIPTION	Screw-in base	Table base
COLOUR	Anthracite grey	Black
DIMENSIONS	70 x 70 x 35 mm	133 x 200 x 30 mm
WEIGHT (kg)	0.1	1.7
INSTRUCTION BOOKLET	595 902	595 902
FEATURES	Horizontal or vertical fixation for clip or gooseneck. M12 thread.	Hole Ø 12.5 mm. Delivered with 16 x 3/8" screws, M12 x 1.75 and washers.



REFERENCE	GZ 26	GZ 9
DESCRIPTION	Spring-clip mic support	Ø 22 mm mic clip
COLOUR	Black	Anthracite grey
INSTRUCTION BOOKLET	595 902	595 902
FEATURES	For all micros. 3/8" and 5/8" thread.	For GM 709 3/8" thread.



GOOSENECK MICROPHONES



A

ready
widely
used, the
GM 921

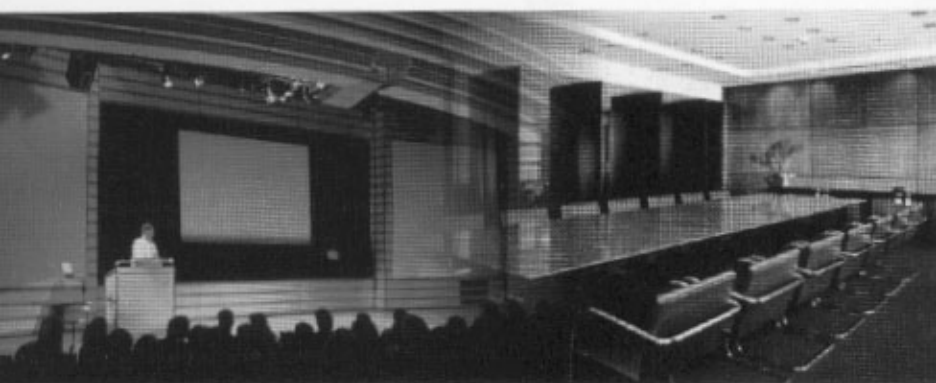
microphone has adopted a decidedly modern and sober design. Specially designed for conference rooms, law-courts, churches, this microphone is mounted on the GZ 2150 table base, which has a female XLR socket for connection to the microphone input on an amplifier.

REFERENCE	GM 821	GM 921
DESCRIPTION	Speech mic. on gooseneck	Speech mic. on gooseneck
TYPE	Dynamic	Electret
DIRECTIVITY	Cardioid	Cardioid
SENSITIVITY	1.5 mV / Pa (-56 dB)	1.6 mV / Pa (-56 dB)
BANDWIDTH	100 - 18 000 Hz	50 - 17 000 Hz
IMPEDANCE	250 Ω	600 Ω UNBAL.
CONNECTION	2 m cable	Male XLR
ON/OFF SWITCH	No	No
REMOTE CONTROL SWITCH	No	No
MATERIAL	Metal	Metal
COLOUR	Black	Black
POWER SUPPLY		Phantom (3 to 18 V)
DIMENSIONS (mm)	$\varnothing$ 53 x 580	$\varnothing$ 14 x 420
WEIGHT (kg)	0.5	0.12
INSTRUCTION BOOKLET	596 006	596 206
OPTIONS		GZ 2150 : mic. table base GZ 1921 : signal balancer.
FEATURES	Supplied with 2-metre cable and kit for table mounting. $\varnothing$ 10.5 mm thread.	Supplied with wind-shield.

T

hanks to the
design of the
GM 1880, it
is possible to

place this microphone on any table-top or flat surface, thus avoiding discomfort for the speaker (it will not roll around and makes no noise at all). Of the cardioid type, it has very low sensitivity to the Larsen effect. Its attributes make it an ideal solution for speeches in conference halls, meeting rooms and churches.



NEW



GM 845	GM 24	GM 709 + GZ 764	GM 742	REFERENCE
"Speech and song" microphone	Close-range "Speech" microphone	"Speech" microphone	Close-range "Speech" microphone	DESCRIPTION
Dynamic	Dynamic	Dynamic	Dynamic	TYPE
Cardioid		Cardioid		DIRECTIVITY
2.3 mV / Pa (-53 dB)	1.3 mV / Pa (-58 dB)	1.6 mV / Pa (-56 dB)	4 mV / Pa (-48dB)	SENSITIVITY
70 - 18 000 Hz	500 - 9 000 Hz	180 - 15 000 Hz	200 - 6 000 Hz	BANDWIDTH
600 Ω	250 Ω	600 Ω	600 Ω	IMPEDANCE
XLR	4 m cable + D/N	Lockable connector	Spiral cable + D/N connector	CONNECTION
Yes	No	Yes	Yes	MODULATION SWITCH
Yes	Yes	Yes	Yes	REMOTE CONTROL SWITCH
Metal	ABS	Metal	ABS	MATERIAL
Black	Anthracite grey	Chrome	Grey	COLOUR
Ø 53 x 180	Ø 55 x 145	Ø 48 x 225	100 x 72 x 56	DIMENSIONS (mm)
0.285	0.3	0.3	0.2	WEIGHT (kg)
595 100	595 507	595 092	595 851	INSTRUCTION BOOKLET
See microphone accessories (pages 45 and 46)	See microphone accessories (pages 45 and 46)	GZ 772 : lockable female connector GZ 9 : mic support clip GM 709 : mic head GZ 764 : mic handle		OPTIONS

Stage/commentary/show microphone. Delivered with travel case, GZ 10 clip.	Volume control. Differential microphone.	Differential microphone.	FEATURES
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HAND-HELD MICROPHONES

M

icro-
phones
for
speech

ch, music and mixed use, unidirectional, omni-directional or cardioid, comprise the range of hand-held microphones distributed by Bouyer.

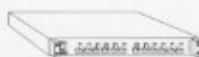
The latest addition to the family, the GM 845, is especially well-suited to speech/music purposes, and is equipped with a suspended microphonic cell providing higher sensitivity as well as excellent immunity to interference caused by handling of the microphones.



REFERENCE	GM 820	GM 822	GM 880
DESCRIPTION	"Speech and song" microphone	"Music" microphone	"Speech" microphone
TYPE	Dynamic	Dynamic	Electret
DIRECTIVITY	Cardioid	Cardioid	Cardioid
SENSITIVITY	1.5 mV / Pa (-56 dB)	1.4 mV / Pa (-57 dB)	2.5 mV / Pa (-52 dB)
BANDWIDTH	100 - 18 000 Hz	50-18 000 Hz	60-18 000 Hz
IMPEDANCE	250 Ω	250 Ω	600 Ω
CONNECTION	DIN	XLR	DIN
MODULATION SWITCH	Yes	Yes	Yes
REMOTE CONTROL SWITCH	Yes	No	Yes
MATERIAL	Metal	Metal	Metal
COLOUR	Black	Black	Black
DIMENSIONS (mm)	$\varnothing$ 53 x 190	$\varnothing$ 53 x 180	$\varnothing$ 53 x 192
WEIGHT (kg)	0.260	0.270	0.240
INSTRUCTION BOOKLET	595 994	595 993	592 995
OPTIONS	See microphone accessories (pages 45 and 46)	See microphone accessories (pages 45 and 46)	Operates with AZ 1210, AZ 1211 cards. See microphone accessories (pages 45 and 46)
FEATURES	Multi-purpose microphone. Delivered with travel case, GZ 10 clip, DIN connector and 4 interchangeable identification colour rings.	Stage/commentary/show microphone. Delivered with travel case, GZ 10 clip, DIN connector and 4 interchangeable identification colour rings.	Conference/speech microphone. Delivered with transport case, GZ 10 clip, DIN connection and 4 colored, interchangeable identification rings. Power supply - 5 - 18 V (DIN 45 596)



MICROPHONES CONSOLES AND ZONE SELECTORS



REFERENCE	AZ 111	 AZ 115	GM 1066
DESCRIPTION	6 zone selector + electret microphone console	12 zone selector + all call. Speech/music inputs	Microphone console
DIRECTIVITY	Unidirectional		Unidirectional
SENSITIVITY	7 mV/Pa		7 mV/Pa
BANDWIDTH	50 – 15 000 Hz		50 – 15 000 Hz
IMPEDANCE	600 Ω		600 Ω
POWER SUPPLY	230 V	230 V/ 24 V	Phantom power supply
CONNECTION	Cable + DIN connector	Terminals + RJ 45	Cable + DIN connector
MATERIAL	ABS – metal cabinet	Metal cabinet	ABS
COLOUR	Black	Black	Grey
DIMENSIONS (mm)	425 x 310 x 40-1U 19"	425 x 345 x 45-1U 19"	110 x 150 x 45
WEIGHT (kg)	2.6	3.8	0.6
INSTRUCTION BOOKLET	595 913	596 143	595 604
OPTIONS	AZ 5 : front panel for rack mounting. Functions with AZ 1210 input module.	AZ 6 : handles. Functions with GM 1066 microphone console or PGM 5000 series.	Can be used with AZ 115, PA 2184 and SA 2184
FEATURES	6 zone switching speech/music. Mic. console included. Gooseneck 310 mm.		6 zone selection buttons and 1 all call button. Gooseneck, 310 mm.



REFERENCE	PGM 5000 / PGM 5004 / PGM 5008 / PGM 5016
DESCRIPTION	Microphone console/Chime-Electret + pre-amplifier
DIRECTIVITY	Unidirectional
SENSITIVITY	Compressed 0 dBm output
BANDWIDTH	100 – 15 000 Hz
IMPEDANCE	600 Ω
POWER SUPPLY	24 V exterior
CONNECTION	3 m cable + connection box
MATERIAL	Metal
COLOUR	Anthracite grey
DIMENSIONS (mm)	270 x 160 x 80
WEIGHT (kg)	2.2
INSTRUCTION BOOKLET	595 586
OPTIONS	PBZ 051 : 24V power supply
FEATURES	PGM 5004 : 3-zone remote control + all-call PGM 5009 : 7-zone remote control + all-call PGM 5016 : 15-zone remote control + all-call Gooseneck 310 mm.



PGM 5004

MICROPHONE
CONSOLES

REFERENCE	GM 1052	GM 1053
DESCRIPTION	Console with gooseneck mic.	Console with gooseneck mic.
TYPE	Electret	Electret
DIRECTIVITY	Unidirectional	Unidirectional
SENSITIVITY	7 mV/Pa	7 mV/Pa
BANDWIDTH	50 - 15 000 Hz	50 - 15 000 Hz
IMPEDANCE	600 Ω	600 Ω
POWER SUPPLY	Phantom power supply	Phantom power supply
CONNECTION	Cable + DIN connector	Cable + DIN connector
DIMENSIONS (mm)	110 x 150 x 45	110 x 150 x 45
WEIGHT (kg)	0.6	0.6
INSTRUCTION BOOKLET	595 653	595 653
FEATURES	Press-to-talk button Phantom power supply, DIN standard Gooseneck, 310 mm.	On/Off switch Phantom power supply, DIN standard Gooseneck, 310 mm.

Of similar appearance – a microphone at the end of a gooseneck mounted on a base –, these microphone consoles can basically be differentiated by their control mode and the options proposed.

For a connection exceeding 70 m from the pre-amplifier, we recommend use of the PGM 5000.



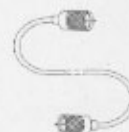
REFERENCE	GM 1054	GC 1021
DESCRIPTION	Console with gooseneck mic.	Chime microphone console
TYPE	Electret	Electret, digital chime
DISPERSION ANGLE	Unidirectional	Unidirectional
SENSITIVITY	7 mV/Pa	Output - 10 dBm
BANDWIDTH	50- 15 000 Hz	100 - 15 000 Hz
IMPEDANCE	600 Ω	
POWER SUPPLY	Via AZ 1214 module	Via AZ 1213 module
CONNECTION	120 cable - DIN connection	Cable + DIN connection
DIMENSIONS (mm)	110 x 150 x 45	110 x 150 x 45
WEIGHT (kg)	0.6	0.7
INSTRUCTION BOOKLET	595 653	595 600
OPTIONS	AZ 1214 : input/gong module	AZ 1213 : line input module.
FEATURES	2 push-buttons for remote control of the module's gong AZ 1214. Gooseneck, 310 mm.	Gooseneck, 310 mm.

Placed between one or more pre-amplifiers or amplifiers and a sound system's loudspeakers, these consoles (with selection buttons linked to the AZ 115 selector) ensure that microphone modulation is broadcast as a selective or general call towards one or more zones or groups of zones.

The most comprehensive models in the range, the PGM 5004, PGM 5008 and PGM 5016, all with incorporated chime, are available in 3 different versions with an "all-call" function and are designed for selection of 3, 7 or 15 zones respectively.

MICROPHONE ACCESSORIES

RF RECEIVERS AND TRANSMITTERS



FLAGSHIP PRODUCT	GZ 220	GZ 350	REFERENCE	GZ 371	GZ 372 / GZ 373 / GZ 374
	RF receiver module 200 MHz	Cabinet for 1 or 2 GZ 220	DESCRIPTION	Offset aerial support	Extension cables
		RF on PL 259 plug			5 m - 10 m - 20 m
		LF : 2, balanced	INSTRUCTION BOOKLET	595 902	595 902
		independent/ XLR	FEATURES	For use with GZ 55, GZ 769 and GZ 760 with GZ 39 adaptor, 3/8" thread.	Fitted with 2 PL 259.
		+ 6 dBm			
	20 - 20 000 Hz	20 - 20 000 Hz			
	431 channels from 181 to 224 MHz via GZ 350	230 V- 10 VA/ 12 to 24 VDC-0.5 A			
	Metal	Metal			
	Black	Black			
	59 x 227 x 31,5	212 x 325 x 45 - 1 U 1/2 half-width			
	0.3	2.2			
	595 927	595 927			
	GZ 350 : cabinet for 1 or 2 GZ 220	GZ 45 / GZ 48 : connection cables (page 59). AZ 6 : handles. AZ 2030 : twinning kit.			
	Frequency synthesis On/Off indicator, RF level. Squelch control on front panel.	Supplied with aerial.			





MICROPHONES

RF TRANSMITTERS AND RECEIVERS



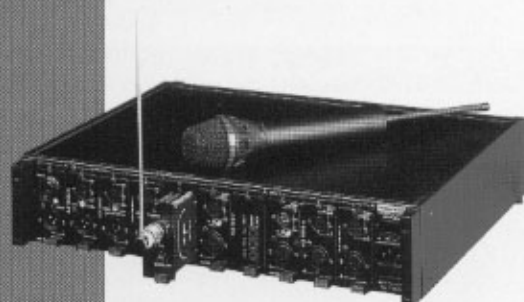
Buyer's RF microphones with frequency synthesis

offer excellent acoustic performance and benefit from unfailing reliability.

Selected to meet specific needs (directivity, interference, distance...), they will be combined with receivers in cabinets or can be mounted in standard 19" racks or even simply placed on a surface.

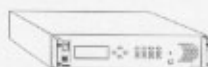
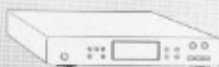
The GZ 350 model is equipped with two balanced outputs, either independent or combinable on XLR. The AZ 1202 receiver module, which can be integrated into pre-amplifiers and mixer amplifiers in the Excellence Line, can replace the GZ 350 and GZ 220 combination to provide sound coverage of up to 30 m.

REFERENCE	GM 202	GM 220	GR 220
DESCRIPTION	Hand-held RF mic 200 MHz	Hand-held RF mic 200 MHz	200 MHz transmitter
INPUT	Dynamic mic	Electret mic	AUX (-10 dBm)
OUTPUT			
Level			
DIRECTIVITY	Cardioid	Unidirectional	
MAXIMUM S.P.L.	140 dB SPL max.	120 dB SPL max.	
BANDWIDTH	40 - 17 000 Hz	60 - 18 000 Hz	100 - 12 000 Hz
S/N RATIO	100 dBA	100 dBA	
CHANNELS	431 channels from 181 to 224 MHz	431 channels from 181 to 224 MHz	431 channels from 181 to 224 MHz
POWER SUPPLY	4 LR 03 batteries supplied	4 LR 03 batteries supplied	230 V unit supplied
CONSUMPTION	9 hours autonomy	9 hours autonomy	
MATERIAL	Metal	Metal	Metal
COLOUR	Black	Black	Black
DIMENSIONS (mm)	Ø 54 x 220	120 x 67 x 15	92 x 142 x 37
WEIGHT (kg)	0.3	0.2	0.9
INSTRUCTION BOOKLET	596 000	595 987	596 174
OPTIONS	Also operates with receiver function module AZ 1202 and amplified speaker CP 2800.	Also operates with receiver function module AZ 1202 and amplified speaker CP 2800.	
FEATURES	Frequency synthesis. Semi-rigid, removable aerial. On/Off and battery capacity indicator, stand-by switch.	Frequency synthesis. On/Off and battery capacity indicator, stand-by switch.	Frequency synthesis. On/Off indicator, RF level. Delivered with aerial.





SIGNAL SOURCES



REFERENCE	 GD 1405	GR 2230	GD 4128
DESCRIPTION	5 CD player	AM-FM receiver	Digital message player/recorder on COMPACT FLASH card.
PRESENTATION	19" cabinet	19" cabinet	19" cabinet
CHARACTERISTICS	1 stereo output 2 Vrms	1 stereo 0 dBm output FM: 87,5 - 108 MHz AM: 522 - 1620 kHz (PO)	2 hours' storage - MP3/MP2 coding Serial link RS 232/RS 422 Mic/Line input
POWER SUPPLY	230 V	230 V - 50/60 Hz	230 V - 24 V
CONNECTORS			DIN
DIMENSIONS W x D x H (mm)	440 x 380 x 119	440 x 300 x 87	425 x 345 x 92
19" RACK MOUNTED	3 U	2 U	2 U Metal Grey
WEIGHT (kg)	6	2.9	
INSTRUCTION BOOKLET	596 265	596 268	
OPTIONS			For use with GM1054, GM 1053, GM 1052, GM 1066 and GC 1021 microphone consoles AZ 7 : handles
FEATURES	5 CD console. Random reading of items. Over 6 hours of music. Delivered with 19" rack mounting kit and DIN cable.	GR 2230 : RDS on FM function. Memory : 30 FM or AM stations. Auto/manual search. Digital display. Delivered with 19" rack mounting kit and DIN cable.	TOR interface and IP connectivity. Built-in microphone. Programmable temporisation.



SIGNAL SOURCES



CI 104

Remote volume
control + music source
selector
19" cabinet
230 V-13 mA / 24 V-250 mA
4
0 dBm BAL./Transfo.
XLR
4
0 dBm BAL./Transfo.
XLR
80 - 20 000 Hz
425 x 345 x 45
1 U
Metal
Black
2.5
596 233
CZ 104 : supplement-
ary control console

4-channel audio
cabinet. Console :
digital display, infra-
red interface.
Supplied with infra-
red RC5 remote
control.

The array of
modulation
sources used
in Bouyer
sound systems includes a
digital tuner, cassette and
CD players... Sources
known for their undeniable
robustness and reliability
as compared with hi-fi
equipment aimed at the
general public.
At the forefront of this
range, a sophisticated
digital device : the
GD 4128 player-recorder
of digitalized messages,
equipped with a signal
processor, MP3/MP2
encoder, non-volatile Flash
E-PROM memory and
several digital outputs.

It is capable of restituting
up to 2 hours of messages,
with the possibility of
remote piloting via a
simple standard liaison.



REFERENCE

GE 1065

GE 1067

DESCRIPTION

Auto-reverse
cassette player.

Digital FM tuner
Synthesized

PRESENTATION

Half-width cabinet 19"

Half-width cabinet 19"

CHARACTERISTICS

Tape speed (4.75 cm/s)

5 pre-set stations

POWER SUPPLY

230 V - 4.5 VA

12 V - 5 VA

CONNECTORS

DIN

DIN

DIMENSIONS W x D x H (mm)

213 x 325 x 47

213 x 325 x 47

19" RACK MOUNTED

1U

1U

WEIGHT (kg)

1.8

1.9

INSTRUCTION BOOKLET

596 261

596 224

OPTIONS

AZ 6 : handles

AZ 6 : handles

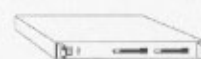
AZ 2030 : twinning kit

AZ 2030 : twinning kit

FEATURES

Reverse direction.
Rapid advance/rewind.

Digital display.
Memorization of last
selection in case of
power failure.



REFERENCE

GE 265

GD 1201

DESCRIPTION

Double auto-reverse
cassette player

CD player

PRESENTATION

19" cabinet

19" cabinet

CHARACTERISTICS

Tape speed (4.75 cm/s)

1 stereo output / 1 mono
Unbal. 0 dBm output

POWER SUPPLY

230 V - 5 VA

230 V - 6 VA

CONNECTORS

DIN

DIN

DIMENSIONS W x D x H (mm)

425 x 249 x 47

425 x 250 x 92

19" RACK MOUNTED

1U

2 U

WEIGHT (kg)

2.9

4

INSTRUCTION BOOKLET

596 170

596 099

OPTIONS

AZ 6 : handles

AZ 7 : handles

FEATURES

Reverse direction.
Rapid advance/rewind.
Alternate playing of
cassettes.

Remote control for
play / pause.





SIGNAL PROCESSING



REFERENCE	LP 1105	LP 2105	CG 1000
DESCRIPTION	Sound level limiter by interruption	Sound level limiter by attenuation	Automatic level adjustment cabinet
PRESENTATION	Wall-mounted cabinet	Wall-mounted cabinet	Half-width cabinet 19"
POWER SUPPLY	230 V - 6 VA	230 V - 6 VA	230V-35 VA/24V = 0.15 A
INPUT	2	2	2
Mic/Aux/0dBm			0 dBm BAL
Connectors	XLR (BAL-STEREO)	XLR (BAL-STEREO)	DIN
OUTPUT	2	2	2
0 dBm			Balanced
Connectors	XLR (BAL-STEREO)	XLR (BAL-STEREO)	DIN
BANDWIDTH (-3dBm)			50 - 18000 Hz
DIMENSIONS W x D x H (mm)	400 x 210 x 75	400 x 210 x 75	212 x 345 x 45
19" RACK MOUNTED	No	No	1 U
MATERIAL	Metal	Metal	Metal
COLOUR	Anthracite grey	Anthracite grey	Black - Green lettering
WEIGHT (kg)	3.5	3.5	2.4
INSTRUCTION BOOKLET	596 262	596 262	596 077
OPTIONS	LZ 2105 : remote LCD showing.	LZ 2105 : remote LCD showing.	AZ6 : handles AZ2030 : twinning kit

FEATURES	Automatic limitation of the sound level by interruption. Decibel-metre with mic sensor. Control unit with programming keyboard and display. Measurement range 60 to 120 dB. Delivered with mounting bracket.	Automatic limitation of the sound level by attenuation. Decibel-metre with micro-sensor. Control unit with programming keyboard and display. Measurement range 60 to 120 dB. Delivered with mounting bracket.	Ambient noise analyser. 2 independent channels. 2 mic sensors supplied.
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EQ 2131	EQ 2215
31 frequency bands mono equalizer	2 x 15 frequency bands stereo equalizer

TM 2208	TM 2416
8 x 2 mixing desk	16 x 4 mixing desk



The LP 1105 and LP 2105 models are designed to limit sound levels in public places such as theatres and discotheques, and noise levels to which neighbours are subjected.

These devices record and display the last 256 events tracing operation, switch-off and adjustments, as required by current legislation. Applying to establishments or premises playing amplified music, the decree dated 15 December 1998 stipulates that (Art. 2) : "in all public places (...) sound levels must not exceed an average 105 dB(A) and 120 dB(A) at peak level (...)". The LP 2105 controls the sound level by attenuating the signal, while the LP 1105 controls the level by interrupting the audio signal.

In the case of a particularly noisy environment, the CG 1000 enables users to maintain the sound system at background noise level. With the CI 104, the sound level of 1 to 4 sources can be kept and monitored via an infra-red remote-control unit.

LOUDSPEAKER LINE AND AMPLIFIER SUPERVISION



REFERENCE	CS 1500	CS 1515	AZ 1310/ AZ 1330
DESCRIPTION	Line monitoring and hot switch to stand by amplifier.	Line monitoring card	Amplifier monitoring cards
PRESENTATION	19" cabinet		To select the card to be used, refer to the presentation of the amplifier
POWER SUPPLY	230 V - 30 VA 24 V - 1A		concerned (under OPTIONS)
INDICATOR	7 x 4 LED		
DIMENSIONS W x D x H (mm)	425 x 325 x 135		
19" RACK MOUNTED	3 U		
MATERIAL	Metal		
COLOUR	Black - Green lettering		
WEIGHT (kg)	7.8		
INSTRUCTION BOOKLET	596 022	596 022	596 030
OPTIONS	AZ8 : handles CS 1515 : switching card for monitoring of 3 loudspeaker lines		
FEATURES	In its basic version, the CS 1500 is equipped with a CS 1515 card. Up to six CS 1515 cards can be added to monitor 18 lines for the "line monitoring" function. For the "line and amplifier monitoring" function, five CS 1515 cards can also be added to monitor 9 lines and 9 amplifiers.		The card sends an 18 kHz pilot signal to the ampli input and checks its presence at the output. Dry contact on if detect.





FUNCTION MODULES

Excellence Line



REFERENCE	AZ 1253	AZ 1230	AZ 1231
DESCRIPTION	Input : emergency evacuation message	Electronic output	Transformer output
SENSITIVITY		0 to + 12 dBm BAL	0 to + 12 dBm BAL
IMPEDANCE		80 Ω	80 Ω
S/N RATIO		≥ 90 dB	≥ 90 dB
CONNECTORS	Terminal	Male XLR + DIN	Male XLR + DIN
FEATURES	Siren with 2 alternating tones. NFS 32-001 norms. Repeat playing of siren and message. Supplied with pre-programmed message.	Can be positioned to replace an input.	Can be positioned to replace an input.

Excellence Line



REFERENCE	AZ 1239	AZ 1229	GZ 1200
DESCRIPTION	Priority control 6 inputs	Priority control (4 inputs)	Power supply and pre-amp. unit for AZ 12xx modules
SENSITIVITY			0 dBm
CONNECTORS	Terminal		
FEATURES	On/off contact	Access to programming by switches. Remote control via input cards.	For use with function modules. 230 V power supply. Unbalanced 0 dBm / DIN output.

The CS 1500 central unit is intended for monitoring of loudspeaker lines in the context of a sound system used for an evacuation alert in event of fire. It can handle the detection of defects in 9 amplifiers and, if necessary, automatic switching to a tenth emergency amplifier. In the 'monitoring of lines and automatic switching to emergency amplifier' configuration, the CS 1500 central unit, equipped with five extra CS 1515 cards, will monitor up to 9 loudspeaker lines and 9 amplifiers. Light indicators, situated on the front of the device, signal any defect.

FUNCTION MODULES



	AZ 1210	AZ 1211	AZ 1213	AZ 1214	AZ 1216
FLAGSHIP PRODUCT	Universal input	Universal input	Line input	Mic input with chime	Auxiliary input
	-63/-10/0 dBm BAL	-63/-10/0 dBm BAL	0 + 12 dBm BAL	-50 dBm	-10 dBm UNBAL.
	Mic 1.2 k Ω /line 44 k Ω	Mic 1.2 k Ω /line 44 k Ω	15 k Ω /600 Ω	1.2 k Ω	22 k Ω
	≥ 60 dB	≥ 60 dB	≥ 90 dB	≥ 62 dB	≥ 60 dB
	XLR FEM + DIN	XLR FEM + DIN	XLR FEM + DIN	DIN	CINCH
				Functions with GM 1054 and GM 1066 mic consoles.	
	Phantom power supply. Switchable 300 Hz and 10 KHz filters.	Phantom power supply. Switchable 300 Hz and 10 kHz filters. With remote control via modulation detection.	Phantom power supply GC 1021 Transfo. With remote control via modulation detection.	2-tone chime.	Remote control with modulation detection.



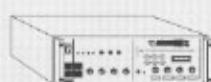
	AZ 1215	AZ 1226	AZ 1202	AZ 1222	AZ 1241
FLAGSHIP PRODUCT	Telephone interface input	Bell/chime input	RF 200 MHz receiver input	Programmable sirens input.	Player / recorder for numeric messages
	0 dBm		20 - 20 000 Hz		-10 dBm UNBAL.
	600 Ω		431 channels, 181 to 224 MHz		
	≥ 70 dB				
	Terminal	Terminal		DIN + Terminal	DIN + Terminal
					GZ 54 control via mic console
	For use with private auto-switcher. 3-tone chime. Remote control contact.	Single or repeat broadcasting mode. 1 ringing tone and 1 chime. Adjustment for ringing tone.	Frequency synthesis. Squelch control. 75 Ω aerial supplied	Choice of 7 sirens. Open contact or closed contact remote control.	Setting lasts : 2 min 10 sec to 5 min 46 sec depending on bandwidth selected (6 kHz to 3 kHz). Mic/line input. 2 messages.



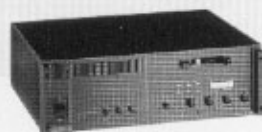


AMPLIFIERS WITH BUILT-IN SIGNAL SOURCES

Excellence Line



REFERENCE	SA 1050 / SA 1100 / SA 1150	SA 2184
DESCRIPTION	Mixer amplifier	Mixer amplifier
PRESENTATION	19" cabinet	19" cabinet
Built-in signal sources	Tuner + cassette player	Tuner + cassette player
POWER	50 W / 100 W / 150 W	180 W
POWER SUPPLY	230 V - 120 VA / 210 VA / 310 VA 24 V - 3 A / 5.7 A / 10.2 A	230 V - 480 VA 24 V - 10 A
INPUT	Modular (4 modules max.)	Modular (4 modules max.)
Mic/Aux/OdBm	As per module	As per module
Connectors	As per module	As per module
PRIORITIES	AZ 1229 or AZ 1239	AZ 1229 or AZ 1239
OUTPUT		
0 dBm	Balanced	Balanced
Connectors	XLR	XLR
Speakers on terminal	4 Ω - 70 - 100 V / transfo	4 x 100 V / transfo
TONE CONTROLS	Double	Double
BANDWIDTH (-3dBm)	75 - 17 000 Hz	75 - 17 000 Hz
DISTORTION	< 1 %	< 1 %
DIMENSIONS W x D x H (mm)	425 x 345 x 135	425 x 345 x 135
19" RACK MOUNTED	3 U	3 U
MATERIAL	Metal	Metal
COLOUR	Black - Green lettering	Black - Green lettering
WEIGHT (kg)	10.6 / 11.1 / 12.6	10.7
INSTRUCTION BOOKLET	596 173	596 278
OPTIONS	AZ 8 : handles. AZ 1330 : ampli monitoring card AZ 1229 or AZ 1239 : priority modules. Input/output module : see pages 31/32.	AZ 8 : handles. AZ 1310 : ampli monitoring card AZ 1229 or AZ 1239 : priority modules. Input/output module : see pages 31/32. Level restoration with AZ 1239 GM 1066 : mic console, zone selector.
FEATURES	Direct 0 dB input. Cooled by fan with thermostat. 2 AZ 1210 supplied.	Direct 0 dB input. Separate control for the 4 speaker outputs. 2 AZ 1210 supplied.



W With the Excellence Line, Bouyer proposes about fifteen input and output function modules which enable the user to create the system which best suits the amplification environment and the conditions of use required by each individual case. Linked to a private auto-switch, the AZ 1215 makes it possible to broadcast announcements from telephone points that are connected to it. The RF AZ 1202 receiver is an alternative to the GZ 350 + GZ 220 (page 39). The AZ 1226 module is especially well-suited to schools for bells. With the AZ 1222, multiple variants of sirens can be obtained. The AZ 1241 provides the possibility of recording and storing in a protected memory 2 digital messages that can be called up from a distance. Finally, the AZ 1253 module enables the user to broadcast an evacuation message stored in a non-volatile memory, alternately with the standardised NFS 32-001 siren.

REFERENCE

DESCRIPTION

SENSITIVITY

IMPEDANCE

S/N RATIO

CONNECTORS

OPTIONS

FEATURES

REFERENCE

DESCRIPTION

SENSITIVITY

IMPEDANCE

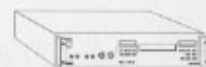
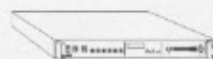
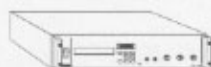
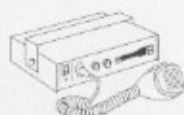
S/N RATIO

CONNECTORS

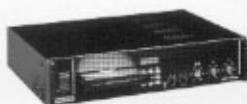
OPTIONS

FEATURES

AMPLIFIERS WITH BUILT-IN SIGNAL SOURCES



AB 34	EB 134	AD 1045	ER 1415	ER 513
Car amplifier	Car amplifier	Mixer amplifier	Compact	Compact
	cassette player	CD player	sound system	sound system
Cabinet	Cabinet	19" cabinet	19" cabinet	19" cabinet
Hand-held microphone	Cassette player / hand-held microphone	CD player	Cassette player + FM tuner	Cassette player + FM tuner
20 W	30 W	45 W	4 x 8 W	4 x 8 W
12 V - 4 A battery	12 V - 4.5 A battery	230 V - 120 VA	230 V - 35 VA	230 V - 35 VA
2	2	2	2	2
1 Aux + 1 Mic	1 Aux + 1 Mic	1 Aux / 1 Mic	1 Aux + 1 Mic	1 Aux + 1 Mic
Lockable DIN	Lockable DIN	DIN	DIN	DIN
MIC / AUX	MIC / AUX and MIC / SOURCE	Input / CD	MIC / AUX and MIC / SOURCE	MIC / AUX and MIC / SOURCE
		1 Balanced.	1 Unbalanced	1 Unbalanced
		DIN	DIN	DIN
8 - 16 Ω / transfo	8 - 16 Ω / transfo	100 V / transfo	4 x 4 Ω	4 x 4 Ω
		Double	Double	Double
100-15 000 Hz	100-15 000 Hz	75 - 15 000 Hz	75 - 20 000 Hz	50 - 22 000 Hz
$\leq 1\%$	$\leq 1\%$	$< 1\%$	$< 1\%$	
202 x 178 x 59	270 x 190 x 65	425 x 250 x 92	425 x 250 x 44	425 x 250 x 92
No	No	2 U	1 U	2 U
Metal	Metal	Metal	Metal	Metal
Black - Green lettering	Black - Green lettering	Black - Green lettering	Black - Green lettering	Black - Green lettering
2.95	2.5	7.6	4	4
595 850	596 126	596 254	596 238	596 091
AB 35: version 24 V-30 W	24 V DC deliverable	AZ 7: handles. Functions with GM 1052, GM 1053, GC 1021 microphone consoles.	AZ 6: handles. Functions with GM 1052, GM 1053, microphone consoles.	AZ 7: handles. Functions with GM 1052, GM 1053, microphone consoles.
Mic and car-fitting accessories supplied.	Mic and car-fitting accessories supplied. Remote control for cassette player.	For use in shopping cen- ters, restaurants, etc. Remote control for MIC and AUX input.	Separate 4-zone volume control. Numerical tuner with 5 programmable stations.	4-zone volume control, 2 x 2.



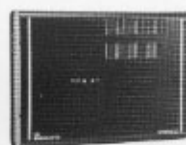
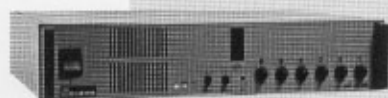


MIXER AMPLIFIERS

Crescendo Range



REFERENCE	AF 3066/AF 3126	AM 1032
DESCRIPTION	Mixer amplifier with integrated anti-Harsen	Mixer amplifier
PRESENTATION	19" cabinet	Wall cabinet
POWER	60 W / 120 W	30 W
POWER SUPPLY	230 V - 190 VA / 390 VA	230 V - 90 VA and 24 V - 2A
INPUT	6	4
Mic/Aux/ 0 dBm	5 BAL MIC/AUX + 1 UNBAL. AUX	2 AUX (UNBAL.) + 2 MIC (BAL)
Connectors	DIN / CINCH	DIN
Priorities	8 switching levels	3 switching levels
OUTPUT		
Low level (0 dBm)	Balanced	
Connectors	DIN	
Speakers on terminal	100 V / transformer	4 Ω - 100 V / transfo
TONE CONTROLS	Double	Single
BANDWIDTH (-3dBm)	60 - 20 000 Hz	60 - 20 000 Hz
DISTORTION	< 1 %	< 1 %
DIMENSIONS W x D x H (mm)	425 x 360 x 92	297 x 210 x 45
19" RACK MOUNTED	2U	No
MATERIAL	Metal	Metal
COLOUR	Black	Black - Silver lettering
WEIGHT (kg)	10	3.2
INSTRUCTION BOOKLET	596 269	596 021
OPTIONS	AZ 7 : handles	
FEATURES	2-tone chime on the first 3 inputs. 8 priority modes per switch 2 CINCH sockets for insertion.	Wall fixture with screw. Protective covers supplied for controls and connections. Consult us for embedded version.



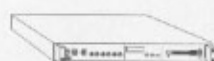
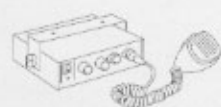
Amplifiers with integrated signal sources provide a compact and economic solution for the broadcasting of information or musical messages. Classic sources for this type of equipment are cassettes, FM tuners, players-recorders for security or other types of announcements.

SA XXXX mixer amplifiers benefit from the advantages (modularity, mixed power supply) offered by the Excellence series and are all equipped with a tuner and cassette player. The SA 2184 (180 W) offers in addition 4 individually adjustable 100 V line outputs and a zone selector.

REFERENCE
DESCRIPTION
PRESENTATION
Built-in signal sources
POWER
POWER SUPPLY
INPUT
Mic/Aux/0dBm
Connectors
PRIORITIES
OUTPUT
0 dBm
Connectors
Speakers on terminal
TONE CONTROLS
BANDWIDTH (-3dBm)
DISTORTION
DIMENSIONS W x D x H (mm)
19" RACK MOUNTED
MATERIAL
COLOUR
WEIGHT (kg)
INSTRUCTION BOOKLET
OPTIONS

FEATURES

AMPLIFIERS WITH BUILT-IN SIGNAL SOURCES



AB 34	EB 134	AD 1045	ER 1415	ER 513
Car amplifier	Car amplifier	Mixer amplifier	Compact	Compact
	cassette player	CD player	sound system	sound system
Cabinet	Cabinet	19" cabinet	19" cabinet	19" cabinet
Hand-held microphone	Cassette player / hand-held microphone	CD player	Cassette player + FM tuner	Cassette player + FM tuner
20 W	30 W	45 W	4 x 8 W	4 x 8 W
12 V - 4 A battery	12 V - 4.5 A battery	230 V - 120 VA	230 V - 35 VA	230 V - 35 VA
2	2	2	2	2
1 Aux + 1 Mic	1 Aux + 1 Mic	1 Aux / 1 Mic	1 Aux + 1 Mic	1 Aux + 1 Mic
Lockable DIN	Lockable DIN	DIN	DIN	DIN
MIC / AUX	MIC / AUX and MIC / SOURCE	Input / CD	MIC / AUX and MIC / SOURCE	MIC / AUX and MIC / SOURCE
		1 Balanced.	1 Unbalanced	1 Unbalanced
		DIN	DIN	DIN
8 - 16 Ω / transfo	8 - 16 Ω / transfo	100 V / transfo	4 x 4 Ω	4 x 4 Ω
		Double	Double	Double
100-15 000 Hz	100-15 000 Hz	75 - 15 000 Hz	75 - 20 000 Hz	50 - 22 000 Hz
$\leq 1\%$	$\leq 1\%$	$< 1\%$	$< 1\%$	
202 x 178 x 59	270 x 190 x 65	425 x 250 x 92	425 x 250 x 44	425 x 250 x 92
No	No	2 U	1 U	2 U
Metal	Metal	Metal	Metal	Metal
Black - Green lettering	Black - Green lettering	Black - Green lettering	Black - Green lettering	Black - Green lettering
2.95	2.5	7.6	4	4
595 850	596 126	596 254	596 238	596 091
AB 35 : version 24 V - 30 W	24 V DC deliverable	AZ 7 : handles. Functions with GM 1052, GM 1053, GC 1021 microphone consoles.	AZ 6 : handles. Functions with GM 1052, GM 1053, microphone consoles.	AZ 7 : handles. Functions with GM 1052, GM 1053, microphone consoles.
Mic and car-fitting accessories supplied.	Mic and car-fitting accessories supplied. Remote control for cassette player.	For use in shopping cen- ters, restaurants, etc. Remote control for MIC and AUX input.	Separate 4-zone volume control. Numerical tuner with 5 programmable stations.	4-zone volume control, 2 x 2.





AMPLIFIERS

Excellence Line



REFERENCE	AR 1242 / AR 1402	AR 4025
DESCRIPTION	Amplifier	Amplifier
PRESENTATION	19" cabinet	19" cabinet
POWER	240 W / 400 W	4x25 W or 2x25 W + 50 W or 2x50 W
POWER SUPPLY	230 V - 620 VA / 900 VA	230 V - 190 VA
INPUT	2	4 + 4
Mic/Aux/ 0 dBm	1 MIC/AUX + Low level (0 dBm)	4 x 0 dBm BAL / DIN +
	BAL / transformer	4 x 0 dBm BAL / XLR
Connectors	2 DIN + 2 XLR	4 XLR + 4 DIN
Priorities	Switchable	DIN / XLR
OUTPUT		
Low level (0 dBm)	Unbalanced	
Connectors	DIN	
Speakers on terminal	4Ω - 70 V - 100 V / transformer	4Ω - 50 V - 70 V - 100 V / transfo
BANDWIDTH (-3dBm)	60 - 18 000 Hz	30 - 30 000 Hz with compression
DISTORTION	≤ 0.5 %	< 1 %
DIMENSIONS W x D x H (mm)	425 x 345 x 92	425 x 345 x 92
19" RACK MOUNTED	2 U	2 U
MATERIAL	Metal	Metal
COLOUR	Black - Green lettering	Black - Green lettering
WEIGHT (kg)	13.5 / 15	14
INSTRUCTION BOOKLET	596 029 / 596 003	595 605
OPTIONS	AZ 1310 : ampli monitoring card AZ 7 : handles	AZ 7 : handles
FEATURES	Equipped with an input compressor-limiter and power regulator.	Equipped with an input compressor-limiter and power regulator.



Designed on the "all-in-one" principle, the simplified Crescendo line offers functions that are essential for high-performance sound systems without requiring any additional cards. It is a solution ideally suited to public address requirements of hotels, shops and places of worship.

These mixer amplifiers all dispose of : 6 switchable Mic / Aux inputs, 8 priority levels and a 2-tone chime. An anti-larsen version which eliminates the buzzing and whistling noises usually experienced with sound transmission at full power is also available (AF 3066 for the 60 W model, AF 3126 for the 120 W model). Mixers in the Excellence Line operate on a mixed power supply and accept function modules which make for easy adaptation to all types of locations (pages 31,32), as well as AZ 1310 or AZ 1330 monitoring cards.

REFERENCE

DESCRIPTION

PRESENTATION

POWER

POWER SUPPLY

INPUT

Mic/Aux/ 0 dBm

Connectors

Priorities

OUTPUT

0 dBm

Connectors

Speakers on terminal

TONE CONTROLS

BANDWIDTH (-3dBm)

DISTORTION

DIMENSIONS W x D x H (mm)

19" RACK MOUNTED

MATERIAL

COLOUR

WEIGHT (kg)

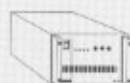
INSTRUCTION BOOKLET

OPTIONS

FEATURES

AMPLIFIERS

Excellence Line



REFERENCE	AR 1050/AR 1100	AR 1150/AR 1180	AR 2242
DESCRIPTION	Amplifier	Amplifier	Amplifier
PRESENTATION	Half-width cabinet, 19"	Half-width cabinet, 19"	19" cabinet
POWER	50 W / 100 W	150 W / 180 W	240 W
POWER SUPPLY	230 V - 110 VA / 200 VA 24 V - 3 A / 5,5 A	230 V - 300 VA / 400 VA 24 V - 8 A / 10 A	230 V - 750 VA 24 V / 16 A
INPUT	1	1	2
Mic/Aux/ 0 dBm	Low level (0 dBm)	0 dBm BAL / transfo	1 MIC/AUX
	BAL / transformer		+0 dBm BAL / transfo
Connectors	XLR	XLR	2 DIN + 2 XLR
Priorities			Switchable
OUTPUT			
Low level (0 dBm)	Balanced	Balanced	Unbalanced
Connectors	XLR	XLR	DIN
Speakers on socket	4 Ω - 70 V - 100 V / transfo	4 Ω - 70 V - 100 V / transfo	4 Ω - 70 V - 100 V / transfo
TONE CONTROLS	Double	Double	
BANDWIDTH (-3dBm)	65 - 20 000 Hz	65 - 20 000 Hz / 75 - 20 000 Hz	80 - 18 000 Hz
DISTORTION	< 1 %	< 1 %	< 1 %
DIMENSIONS W x D x H (mm)	212 x 345 x 135	212 x 345 x 135	425 x 345 x 92
19" RACK MOUNTED	3 U	3 U	2 U
MATERIAL	Metal	Metal	Metal
COLOUR	Black - Green lettering	Black - Green lettering	Black - Green lettering
WEIGHT (kg)	6 / 8	8,8 / 9,3	14
INSTRUCTION BOOKLET	595 795	596 180	596 205
OPTIONS	AZ 1330 : ampli monitoring card AZ 8 : handles AZ 2030 : twinning kit	AZ 1330 : ampli monitoring card (AR 1150) AZ 1310 : ampli monitoring card (AR 1180) AZ 8 : handles AZ 2030 : twinning kit	AZ 1310 : ampli monitoring card. AZ 7 : handles
FEATURES	24 V 300 mA output Cooled by fan with thermostat.	Output 24V 300mA (AR 1150) Output 24V 250mA (AR 1180) Cooled by fan with thermostat.	Equipped with an input compressor-limitator and power regulator.



Amplifiers (except AR 1242, AR 1402 and AR 4025) and mixer-amplifiers in the Excellence line benefit from a mixed power supply which allows for operation on AES. With the exception of the AR 4025, all amplifiers in the Excellence series can be equipped with an AZ 1310 or AZ 1330 monitoring card.

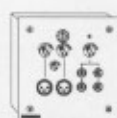
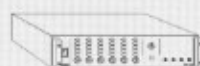
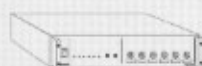
The AR 1242, AR 1402 and AR 2242 amplifiers are unique on account of their reduced size (2 U). They are also auto-protected against power surges and short circuits. In certain installations, they can be used without pre-amplifiers. It is thus possible to connect a microphone, or even a musical source, directly, thanks to a switchable Mic / Aux input and a second 0 dB input on the transformer. These amplifiers incorporate all the functions that are essential for professional use.





PRE-AMPLIFIERS

Excellence Line



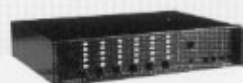
REFERENCE	PR 1106	PR 1406	AP 104
DESCRIPTION	Modular pre-amplifier	Modular pre-amplifier	Pre-amplifier
PRESENTATION	19" cabinet	19" cabinet	Wall unit
POWER SUPPLY	230 V - 20 VA	230 V - 18 VA	
	24 V - 0.7 A	24 V - 0.8 A	24 V - 50 mA
INPUT	Modular (6 modules max.)	Modular (6 modules max.)	4
Mic/Aux/ Low level (0 dBm)	As per module	As per module	2 AUX + 2 MIC BAL (dynamic / electret)
Connectors	As per module	As per module	XLR + CINCH
Priorities	AZ 1239 or AZ 1229	Switchable	Switchable
OUTPUT	Modular	Modular (4 modules max.)	1
Low level (0 dBm)	As per module	As per module	BAL
Connectors	As per module	As per module	Terminal
TONE CONTROLS	Double	Double	
BANDWIDTH (-3dBm)	As per module	As per module	20 - 22 000 Hz (AUX)
DISTORTION	As per module	As per module	
DIMENSIONS W x D x H (mm)	425 x 345 x 92	425 x 345 x 92	145 x 145 x 45
19" RACK MOUNTED	2 U	2 U	
MATERIAL	Metal	Metal	Metal
COLOUR	Black - Green lettering	Black - Green lettering	Anthracite grey
WEIGHT (kg)	5.9 (without modules)	6.5 (without modules)	1
INSTRUCTION BOOKLET	595 656	595 613	596 247
OPTIONS	AZ 7 : handles AZ 1229 or AZ 1239 : priority modules Input/output modules : see pages 31 / 32	AZ 7 : handles Input/output modules : see pages 31 / 32	PBZ 051 : mains power supply.
FEATURES	Delivered with 4 AZ 1210 and 1 AZ 1230. Indicator.	Delivered with 4 AZ 1210 and 2 AZ 1230. Indicator.	Mounting : flush fitting or projecting. Priority mic or mixed with the AUX. input. Operated by key switch. Remote control output.

The Excellence Line provides all the modularity necessary to build amplifier systems that must adapt to individual requirements. A wide choice of function modules (input, output, priority management, telephone insert, RF receiver...), connected to the back of the units, enables users to meet the most exacting specifications.

In the Excellence Line, the PR 1106 pre-amplifier has 6 ways that can be used in mix or priority mode. As for the PR 1406, it can manage 6 inputs towards 4 outputs via a simple switch on the front panel.

AP 104 : with this pre-amplified wall cabinet, a PA system in one area can be connected to the master amplifier system, located in a specific, non-accessible place.

The system is here operated by means of a simple key switch. The autonomy thus obtained is appreciable in a variety of circumstances : PA system in a hotel's meeting room or multi-purpose hall, or MINS premises with a swimming pool etc.





LOUDSPEAKER ACCESSORIES

150
100
50
0



REFERENCE	ZR 1680	ZR 1008	◆ ZR 1110
DESCRIPTION	RB 4038 fixture on ZR 1012 floor stand	10W attenuator 6 positions 8Ω	10W attenuator 6 volume control positions For 100V line Level restoration relay
DIMENSIONS W x D x H (mm)	Ø 130 x 135 mm	80 x 60 x 80 mm	80 x 60 x 80 mm
WEIGHT (kg)		0.24	0.24



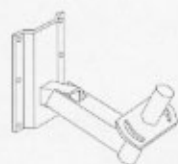
REFERENCE	◆ ZR 1130	◆ ZR 1160	◆ ZR 85
DESCRIPTION	30 W attenuator 6 auto-transformer positions For 100 V line Level restoration relay	60 W attenuator 6 auto-transformer positions For 100 V line Level restoration relay	Fireproof cover for RB 501
DIMENSIONS W x D x H (mm)	80 x 60 x 137 mm	80 x 60 x 137 mm	Ø 181 x 110
WEIGHT (kg)	0.62	0.64	0.37



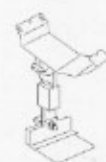
REFERENCE	◆ ZR 86	ZR 88
DESCRIPTION	Fireproof cover for RB 701, RB 2000, RB 2001	Fireproof cover for RB 801
DIMENSIONS W x D x H (mm)	Ø 219 x 110 mm	Ø 265 x 134 mm
WEIGHT (kg)	0.52	0.69

FLAGSHIP PRODUCT

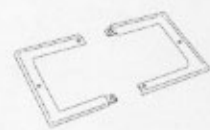
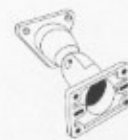
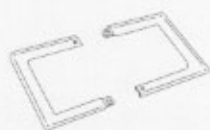
LOUDSPEAKERS ACCESSORIES



REFERENCE	ZR 1012	ZR 1671	ZR 900	ZR 03
DESCRIPTION	Folding floor stand	Wall and ceiling fixtures	Wall and ceiling fixture	Wall mounting fixture
	Universal	for RB 3000 series	for RC 900 series	for RB 33 / RB 2033
	Adjustable height	speakers	columns	
DIMENSIONS W x D x H (mm)	1.27 to 1.85 m	150 x 285 x 250 mm.	50 x 86 x 108 mm	150 x 223 x 240 mm
WEIGHT (kg)			0.25	



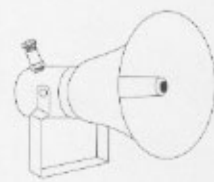
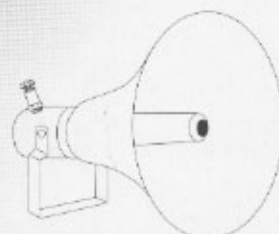
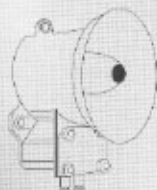
REFERENCE	ZR 04	ZR 1030	ZR 244	ZR 245
DESCRIPTION	Protection for RB 35 / RB 2035	CP 232 mounting fixture on floor stand ZR 1012	Swivel wall-mounting fixture for RB 20XX speakers	Swivel table fixture for RB 20XX speakers
			Black or white	Black or white
DIMENSIONS W x D x H (mm)	Ø 185 x 220 mm	Ø 110 x 110 mm	88 x 137 x 176 mm	88 x 137 x 250 mm
WEIGHT (kg)		0.43		



REFERENCE	ZR 246	ZR 247	ZR 1244	ZR 1266
DESCRIPTION	Flush mounting kit for RB 20XX speakers	Micro floor fixture for RB 20XX speakers	Swivel mounting fixture for RB 4061	Flush mounting kit for RB 4061
	Black or white	Black or white	Black or white	Black or white
DIMENSIONS W x D x H (mm)	305 x 230 mm	88 x 137 x 110 mm	115 x 85 x 85 mm	340 x 240 mm
		3/8" thread		

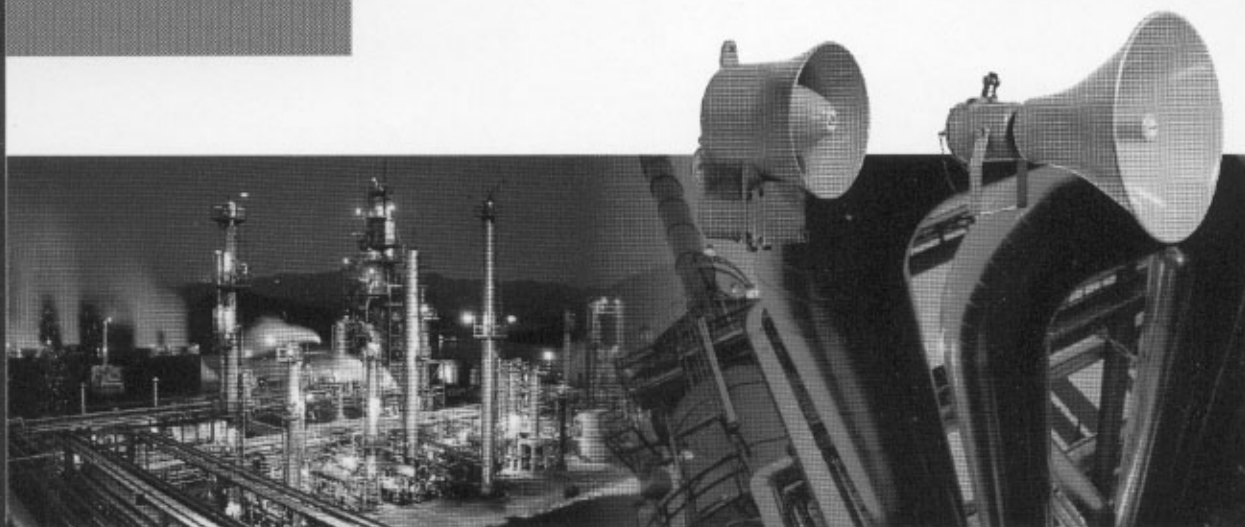


SPECIAL HORN LOUDSPEAKERS

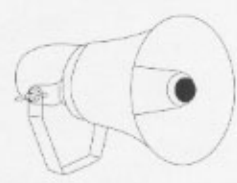
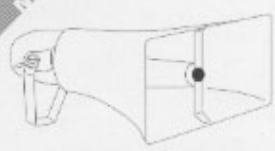


Thanks to their technology, these special horn loudspeakers with compression chambers are used for transmitting alerts and security messages in high-risk industrial premises and particularly in chemical and petrochemical plants. With nominal power of 30 W, they are proposed with horns either made of light alloy (with optional protection against corrosion) or polyethylene, equipped with cable seal. The explosion-proof RP 54 model is certified EEXd II B + H2 + T5.

REFERENCE	RP 39	RP 54	RP 55
DESCRIPTION	Bireflex	Explosion-proof bireflex	Explosion-proof bireflex
FLARE STYLE	Circular	Circular	Circular
MATERIAL	Light alloy	Polyethylene	Polyethylene
COLOUR	Beige	Grey - RAL 7035	Grey - RAL 7035
LOUDSPEAKER	ZR 409	ZR 73	ZR 73
SPL	101 dBA/1W/1m	108 dBA/1W/1m	104 dBA/1W/1m
	115 dBA/30W/1m	122 dBA/30W/1m	118 dBA/30W/1m
BANDWIDTH	450 - 4 500 Hz	300 - 4 000 Hz	300 - 4 000 Hz
DISPERSION ANGLE (-6 dBA)	150 °	50 °	50 °
NOMINAL POWER			
Low impedance	30 W / 16 Ω	30 W / 16 Ω	30 W / 16 Ω
100 V line	20-7.5-2.5 W	20-7.5-2.5 W	20-7.5-2.5 W
70 V line	10-3.75-1.25 W	10-3.75-1.25 W	10-3.75-1.25 W
50 V line	5-1.8-0.6 W	5-1.8-0.6 W	5-1.8-0.6 W
CONNECTION	Screw terminals	Screw terminals	Screw terminals
DIMENSIONS W x D x H (mm)	Ø 250 x 215 x 380	Ø 480 x 575	Ø 250 x 390
WEIGHT (kg)	8	5.5	5
INSTRUCTION BOOKLET	595 406	595 790	595 790
OPTIONS	Rilsan coating.	ZR 74 : 2 nd cable seal.	ZR 74 : 2 nd cable seal.
FEATURES	Waterproof model.	Double certification	Double certification
	Sealed cable output.	EEXd II B + H2 + T5 (LCIE 86 2015)	EEXd II B + H2 + T5 (LCIE 86 2015)
		Coal-gas (LCIE 864 006)	Coal-gas (LCIE 864 006)
		Swivel bracket.	Swivel bracket.



NEW



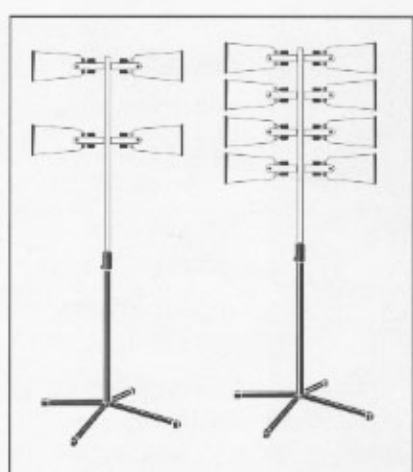
RP 542	RP 525	REFERENCE
Planiflex (30 W)	Babyflex (30 W)	DESCRIPTION
Circular	Circular	FLARE STYLE
Polyethylene	Polyethylene	MATERIAL
Grey - RAL 7035	Grey - RAL 7035	COLOUR
ZR 409	ZR 409	LOUDSPEAKER
107 dBA/1 W/1 m	106 dBA/1W/1m	SPL
120 dBA/30W/1 m	120 dBA/30W/1m	
300 - 4 000 Hz	350 - 5 000 Hz	BANDWIDTH
90° x 100°	60 °	DISPERSION ANGLE (-6 dBA)
		NOMINAL POWER
30 W/16 Ω		Low impedance
30-15-8-4 W	30-15-8-4 W	100 V line
	15-7.5-4-2 W	70 V line
30-15-8-4 W	30-15-8-4 W	50 V line
Pushbutton terminals	Pushbutton terminals	CONNECTION
465 x 555 x 230	Ø 250 x 335	DIMENSIONS W x D x H (mm)
3.1	3.2	WEIGHT (kg)
595 408	595 408	INSTRUCTION BOOKLET
		OPTIONS

FLAGSHIP PRODUCT

Swivel bracket.

Swivel bracket.
Sealed cable output.
Optiself power switch.
Delivered with 3 m cable.

FEATURES

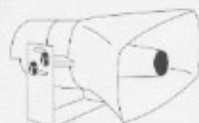


Example of mounted model.



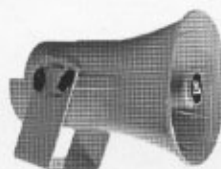


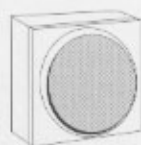
HORN LOUDSPEAKERS



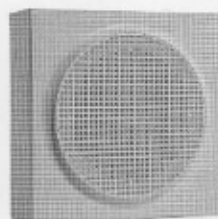
Boyer proposes a vast choice of loudspeakers whose compression chambers provide a very high level of acoustic pressure with low power consumption. Certain models in this range (RP 522), intended for transmitting messages in open-air or very noisy locations, ensure very long-range broadcasting if several loudspeakers are fitted on a ZR 1012 stand, thus producing a combined column effect with sufficient output.

REFERENCE	RP 512	RP 518	RP 540
DESCRIPTION	Kidiflex (15 W)	Planiflex junior (15W)	Bireflex (30 W)
FLARE STYLE	Circular	Rectangular	Circular
MATERIAL	ABS	ABS	Polyethylene
COLOUR	Grey - RAL 7035	Grey - RAL 7035	Grey - RAL 7035
LOUDSPEAKER	Monobloc	Monobloc	ZR 409
SPL	106 dBA/1W/1m 118 dBA/15W/1m	104 dBA/1W/1m 116 dBA/15W/1m	108 dBA/1W/1m 122 dBA/30W/1m
BANDWIDTH	400 - 5 000 Hz	350 - 4 500 Hz	300 - 4 000 Hz
DISPERSION ANGLE (-6 dBA)	80 °	100° x 60°	50 °
NOMINAL POWER			
Low impedance			30 W/16 Ω
100 V line	15-8-4-2 W	15-8-4-2 W	30-15-8-4 W
70 V line	7.5-4-2-1 W	7.5-4-2-1 W	
50 V line	3.7-2-1-0.5 W	3.7-2-1-0.5 W	30-15-8-4 W
CONNECTION	Wire (0,60m)	Wire (0,60m)	Pushbutton terminals
DIMENSIONS W x D x H (mm)	Ø180 x 224	290 x 255 x 127	Ø 480 x 460
WEIGHT (kg)	1.6	1.8	3.1
INSTRUCTION BOOKLET	595 882	595 882	595 408
OPTIONS	RPN 512 : fireproof model.		
FEATURES	Swivel bracket, flush-mounted, Optiself power switch.	Swivel bracket, Optiself power switch.	Swivel bracket.



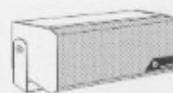


FLAGSHIP PRODUCT	RB 2010	RB 110	REFERENCE
	Loudspeaker	Garden speaker	DESCRIPTION
	Square	Cylindrical	STYLE
	Metal - ABS Grille	ABS	MATERIAL
	White - RAL 9010	Green	COLOUR
	17 cm - 8 Ω	21 cm - 8 Ω + Tweeter	LOUDSPEAKER
	92 dBA / 1 W / 1 m	85 dBA / 1 W / 1 m	SPL
	100 dBA / 6 W / 1 m	101 dBA / 15 W / 1 m	
	150 - 13 000 Hz	50 - 10 000 Hz	BANDWIDTH
		360° x 30°	DISPERSION ANGLE (-6 dBA)
			NOMINAL POWER
	6 W / 8 Ω		Low impedance
	6-3-1.5-0.8 W	15-8-4-2 W	100 V line
	3-1.5-0.7-0.4 W	7-4-2-1 W	70 V line
	1.5-0.7-0.4-0.2 W	3.5-2-1-0.5 W	50 V line
			CONNECTION
	Screw terminals	Wire	
	245 x 90 x 245	325 x 325 x 320	DIMENSIONS W x D x H (mm)
	2.2	4.5	WEIGHT (kg)
	595 906	595 971	INSTRUCTION BOOKLET
			FEATURES
	Angled anti-theft base.	Rainproof. Waterproof model, can be embedded.	
	Compatible with standard electrical unit.	10 m cable supplied.	
	Auto-extinguishable V.O.		



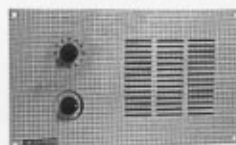


PANEL AND CABINET LOUDSPEAKERS



Thanks to its diversity, the Bouyer family of panels and cabinet speakers satisfies the most demanding sound equipment requirements in hotels, leisure centres and public gardens. The metal RB 913 speaker is supplied with a swivel bracket: its music volume can be adjusted on the front panel with full-volume override for broadcasting of security announcements and automatic level restoration. The RB 110 garden speaker can be embedded in the earth or placed in spots where resistance to humidity or sprinklers is required. Very discreet, it is ideal for leisure centres, camp-sites and public gardens.

REFERENCE	RB 410 / RB 411	RB 29	RB 913
DESCRIPTION	Pillow speaker	Bedside panel	Cabinet speaker
STYLE	Square	Rectangular	Rectangular
MATERIAL	PVC	Aluminium	Metal - ABS
COLOUR	White	Anodized	Stone white - RAL 1013
LOUDSPEAKER	7 cm - 8 Ω	8 cm - 8 Ω	8 cm - 8 Ω
SPL		86 dBA	83 dBA / 1 W/1m 90 dBA / 5W/1m
BANDWIDTH	200 - 8000 Hz	150 - 10 000 Hz	200 - 15 000 Hz
DISPERSION ANGLE (-6 dBA)			140° x 120°
NOMINAL POWER			
Low impedance	0.25 W / 8 Ω (RB 410)		
100 V line		1 W	5.2-0.8-0.3-0.2 W
70 V line		0.5 W	2.5-1.0-0.4-0.15-0.1 W
50 V line		1-0.25 W	1.25-0.5-0.2-0.07-0.05 W
CONNECTION	Wire (1m)	Screw terminals	Pushbutton terminals
DIMENSIONS W x D x H (mm)	125 x 30 x 125	209 x 60 x 119	177 x 86 x 90
WEIGHT (kg)	0.15	0.56	1.25
INSTRUCTION BOOKLET	595 422	595 728	596 089
FEATURES	2 m plug-in lead. Can be sterilized.	Level restoration relays. 5-position program selector.	Swivel bracket. Volume control on front panel. Level restoration.



High POWER CABINET SPEAKERS



H

igh-power
speakers
encased
in wood.

in the RB 3000 range, are
2-way models intended
either for installation in
multi-purpose halls, skating
rinks, or for indoor or sheltered
outdoor events.

They come with all the
necessary connections,
making installation easy.

The RB 3101 and RB 3301
models are equipped with a
100 V line transformer with
power selector.

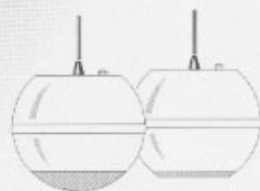
The RB 3900 low frequency
model, used with powerful,
low-impedance speakers,
enhances low frequencies
in musical or other types of
broadcasts.

REFERENCE	RB 3100 / RB 3101	RB 3300 / RB 3301	RB 3900
DESCRIPTION	Cabinet speaker	Cabinet speaker	Low frequency cabinet speaker
	2 ways	2 ways	
MATERIAL	Wood	Wood	Wood
	Foam fronted	Foam fronted	Foam fronted
COLOUR	Grey - RAL 7015 - Black	Grey - RAL 7015 - Black	Grey - RAL 7015 - Black
LOUDSPEAKER	1 x 21 cm + Tweeter	1 x 24 cm + 1" compression	1 x 24 cm
SPL	96 dBA/1W/1m	95 dBA/1W/1m	91 dBA/1W/1m
	113 dBA/50W/1m	117 dBA/150W/1m	113 dBA/150W/1m
BANDWIDTH	100 - 20 000 Hz	50 - 20 000 Hz	50 - 700 Hz
NOMINAL POWER			
Low impedance	50 W / 8 Ω	150 W / 8 Ω	150 W / 8 Ω
100 V line	50-25-12.5 W (RB 3101)	100-75-50 W (RB 3301)	
70 V line	25-12.5-6.25 W (RB 3101)	50-37.5-25 W (RB 3301)	
50 V line	12.5-6.25-3.125 W (RB 3101)	25-18.75-12.5 W (RB 3301)	
CONNECTION	XLR+pushbutton terminals	XLR+pushbutton terminals	XLR+pushbutton terminals
DIMENSIONS W x D x H (mm)	310 x 280 x 415	410 x 375 x 570	450 x 395 x 330
WEIGHT (kg)	11	21 / 22	18
INSTRUCTION BOOKLET	596 008	596 009	596 075
OPTIONS	ZR 1012 : floor stand	ZR 1012 : floor stand	
	ZR 1671 : swivel	ZR 1671 : swivel	
	wall-mounting.	wall-mounting	
FEATURES	Fitted with inserts so that the speakers can be hung or mounted in clusters. System allowing for cascade connection of the speakers.	Fitted with inserts so that the speakers can be hung or mounted in clusters. System allowing for cascade connection of the speakers.	To be placed on the floor, preferably in a corner. System allowing for cascade connection of the speakers.





SPHERICAL LOUDSPEAKERS



ideally suited to sound requirements in large premises, spherical speakers have met with steady success in big stores, with two flagship products: the RB 33 and RB 2033 models, both fitted with a security cable (obligatory for this type of use). Mounted 5.5 m off the ground, the spherical RB 2033 speaker handles sound requirements over a total surface area of 140 m². Also worth noting, the RB 34 model, whose removable base means that it can be used on a flat surface or hung from the ceiling.

REFERENCE	RB 34	RB 33 / RB 2033
DESCRIPTION	Loudspeaker	Loudspeaker/coaxial
STYLE	Spherical	Spherical
MATERIAL	Steel	ABS
COLOUR	Beige, white, black	Grey - RAL 7035
LOUDSPEAKER	12 cm	17 cm / 17 cm Glass fibre + tweeter
SPL	89 dBA/1W/1m 97 dBA/6W/1m	94 dBA/1W/1m - 91 dBA/1W/1m 106 dBA/15W/1m - 104 dBA/20W/1m
BANDWIDTH	150 - 13 000 Hz	120 - 12 000 Hz / 100 - 17 000 Hz
DISPERSION ANGLE (-6 dBA)	80 °	100 ° / 140 °
NOMINAL POWER		
Low impedance	6 W / 8 Ω	15 W / 20 W - 8 Ω
100 V line	6-3-1.5 W	15-8-4-2 W / 20-10-5-2.5 W
70 V line	3-1.5-0.75 W	7.5-4-2-1 W / 10-5-2.5-1.2 W
50 V line	1.5-0.75-0.4 W	3.7-2-1-0.5 W / 5-2.5-1.2-0.6 W
CONNECTION	Wire (1.10m)	Wire (1.50m)
DIMENSIONS W x D x H (mm)	Ø 160	Ø 270
WEIGHT (kg)	1.1	1.8
INSTRUCTION BOOKLET	595 485	595 489 / 595 607
OPTIONS		ZR 03 : wall mounting
FEATURES	Swivel base.	Safety mounting





FLAGSHIP PRODUCT	RC 908	RC 912	RC 1404	RC 1406	REFERENCE
	Column	Column	Column	Column	DESCRIPTION
	Rectangular	Rectangular	Rectangular	Rectangular	STYLE
	Metal - Metal grille	Metal - Metal grille	Metal - Metal grille	Metal - Metal grille	MATERIAL
	Stone white - RAL 1013	Stone white - RAL 1013	Stone white - RAL 1013	Stone white - RAL 1013	COLOUR
	8 x 8 cm	12 x 8 cm	4 x 13 cm	6 x 13 cm	LOUDSPEAKER
	88 dBA/1W/1m	88 dBA/1W/1m	96 dBA/1W/1m	96 dBA/1W/1m	SPL
	103 dBA/30W/1m	104 dBA/40W/1m	109 dBA/20W/1m	110 dBA/40W/1m	
	200 - 15 000 Hz	150 - 15 000 Hz	150 - 11 000 Hz	140 - 11 000 Hz	BANDWIDTH
	160° x 30 °	180° x 30 °	140° x 40 °	140° x 40 °	DISPERSION ANGLE (-6 dBA)
					NOMINAL POWER
	30 W / 8 Ω		20 W / 16 Ω	40 W / 6 Ω	Low impedance
	30-15-8-4 W	40-20-10-5 W	20-14-10-7 W	40-20-10-5 W	100 V line
	15-7.5-4-2 W	20-10-5-2.5 W	10-7-5-3.5 W		70 V line
	7.5-3.7-2-1 W	10-5-2.5-1 W	20-14-10-7 W		50 V line
	Screw terminals inside	Screw terminals inside	Screw terminals + cable seals	Screw terminals + cable seals	CONNECTION
	90 x 85 x 850	90 x 85 x 1220	145 x 150 x 750	145 x 150 x 1025	DIMENSIONS W x D x H (mm)
	5	8	4.1	7.8	WEIGHT (kg)
	595 974	595 974	596 242	596 242	INSTRUCTION BOOKLET
	ZR 900 : swivel				OPTIONS
	wall-mounting.				
	2 fixing brackets supplied.	2 fixing brackets supplied.	2 fixing brackets supplied. 2 cable seals.	2 fixing brackets supplied. 2 cable seals.	FEATURES



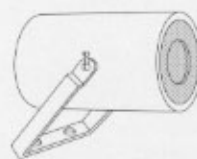
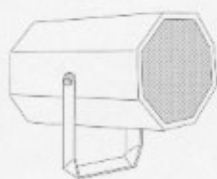
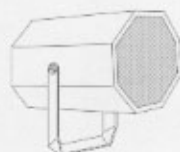
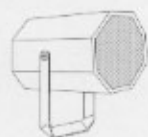


SOUND COLUMNS

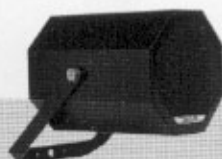
The great classics of sound systems for problematic premises with high reverberation (places of worship, conference rooms...), these columns generate a beam of sound with a range ten times wider than that of the loudspeaker, i.e. over 12 m in the case of the RC 912 model. The esthetic design and reduced size of the RC 604 and RC 9XX columns ensure respect for architectural settings without sacrificing acoustic quality. The RC 1404 and RC 1406 models, equipped with tropicalized loudspeakers, are better suited to outdoor use.

REFERENCE	RC 604	RC 904	RC 906
DESCRIPTION	Column	Column	Column
STYLE	Rectangular	Rectangular	Rectangular
MATERIAL	Metal - Metal grille	Metal - Metal grille	Metal - Metal grille
COLOUR	Stone white - RAL 1013	Stone white - RAL 1013	Stone white - RAL 1013
LOUDSPEAKER	4 x 5 cm	4 x 8 cm	6 x 8 cm
SPL	88 dBA/1W/1m	86 dBA/1W/1m	87 dBA/1W/1m
	96 dBA/6W/1m	98 dBA/15W/1m	100 dBA/20W/1m
BANDWIDTH	300 - 16 000 Hz	200 - 15 000 Hz	200 - 15 000 Hz
DISPERSION ANGLE (-6 dBA)	180° x 60°	140° x 40°	140° x 30°
NOMINAL POWER			
Low impedance		15 W / 8 Ω	20 W / 5.3 Ω
100 V line	6 W	15-7-3 W	20-10-5-2.5 W
70 V line	3 W	7.5-3.5-1.5 W	10-5-2.5-1.2 W
50 V line	1.5 W	3.7-1.7-0.7 W	5-2.5-1-0.6 W
CONNECTION	Wire	Screw terminals inside	Screw terminals inside
DIMENSIONS W x D x H (mm)	60 x 70 x 340	90 x 86 x 500	90 x 85 x 675
WEIGHT (kg)	1.3	2.8	4
INSTRUCTION BOOKLET	595 615	595 974	595 974
OPTIONS		ZR 900 : swivel	ZR 900 : swivel
		wall-mounting.	wall-mounting.
FEATURES	2 fixing brackets supplied.	2 fixing brackets supplied.	2 fixing brackets supplied.



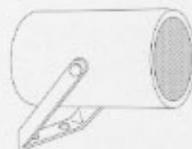
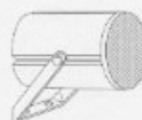


RB 19	RB 39	RB 89	RB 3041	RB 4038
Sound projection speaker	Sound projection speaker	Sound projection speaker	Coaxial sound projection	Coaxial sound projection
Octagonal	Octagonal	Octagonal	Loudspeaker - Cylindrical	Loudspeaker
Metal	Metal	Metal	Glass fibre	Painted wood
Black / stone white RAL 1013	Black	Black	White	Black
10 cm - dual cone	17 cm - Glass fibre	21 cm - dual cone	21 cm + tweeter	4x17 cm glass fibre + tweeter
90 dBA/1W/1m	91 dBA/1W/1m	95 dBA/1W/1m	102 dBA/1W/1m	95 dBA/1W/1m
100 dBA/10W/1m	104 dBA/20W/1m	111 dBA/40W/1m	118 dBA/40W/1m	114 dBA/80W/1m
170 - 20 000 Hz	140 - 15 000 Hz	100 - 15 000 Hz	100 - 20 000 Hz	70 - 20 000 Hz
100°	100°	70°	90°	50°
10-4-1.6-0.6 W	20-10-5-2.5 W	40 W/8 Ω 40-25-14 W	40 W/16 Ω 40-25-14 W	80 W/8 Ω 80-40 W
5-2-0.8-0.3 W	10-5-2.5-1.2 W	20-12.5-7 W	40-25-14 W	
2.5-1-0.4-0.15 W	5-2.5-1.2-0.6 W	6.2-3.5-0 W	40-25-14 W	
Screw terminals + CS	Wire + 2 cable seals	Wire + 2 cable seals	Terminals + 2 cable seals	Speakon
130 x 180 x 130	177 x 235 x 177	226 x 325 x 226	Ø 255 x 350	470 x 400 x 430
2	3.2	7.4	10	17
596 006	595 978	596 076	595 933	596 279
	RBF 39 : fireproof version of the RB39			ZR 1680 adaptor ZR 1012 floor stand
Swivel bracket. Anti-corrosion treat- ment. Certified LNE- NFC 20-703 (preva- lente high humidity). NF X41-002 (saline fog). Stainless steel screws. Outdoor use.	Swivel bracket. Certified LNE-NFC 20-703 (prevalente high humidity). NF X41-002 (saline fog). Stainless steel screws. Outdoor use.	Swivel bracket. Certified LNE-NFC 20-703 (prevalente high humidity). NF X41-002 (saline fog). Stainless steel screws. Outdoor use.	Response curve selector switch. Sealed cable input/output. Outdoor use.	Swivel bracket. Polyurethane paint. anti-U.V. treatment Outdoor use.





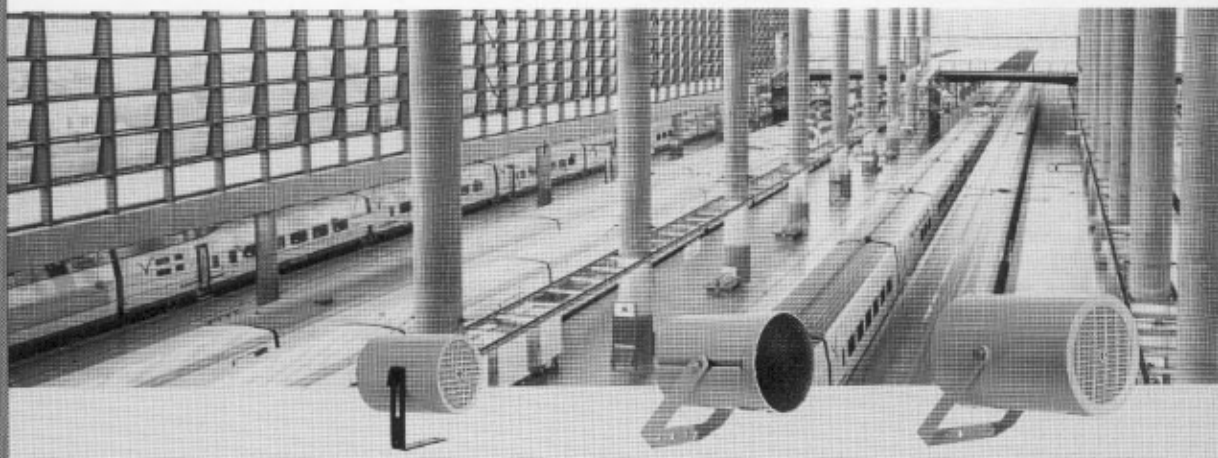
SOUND PROJECTION LOUDSPEAKERS

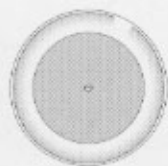


Fitted with electro-dynamic speakers with high-yield diaphragms, Bouyer sound projectors are extremely convenient to use. Suitable for use on a 100 V line, with power selector incorporated, they provide the acoustic pressure necessary for speeches and music in public places such as exhibition halls, sports stadiums, train and subway stations, pedestrian streets etc.

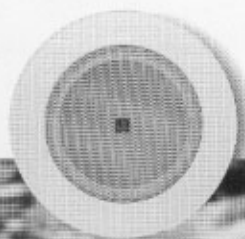
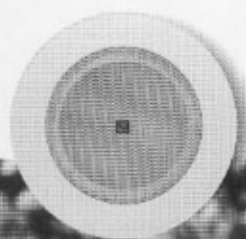
A new model can be cited to demonstrate the performance attained by this family: the RB 4038 sound projection speaker, whose acoustic qualities (wide bandwidth, high output, coaxial L.S. Glass fibre, directivity) and the exclusive Bouyer finish (polyurethane painted wood, anti-UV treatment...) guarantee multi-purpose use: sound projection both indoors and out, even in reverberating conditions. In accordance with recommendations issued by the AES (Audio Engineering Society), these loudspeakers are equipped with SPEAKON-type connections.

REFERENCE	◆ RB 37	◆ RB 36	◆ RB 35 / RB 2035
DESCRIPTION	Sound projection speaker	Sound projection speaker	Sound projection speaker / coaxial
STYLE	Cylindrical	Cylindrical	Cylindrical
MATERIAL	ABS	ABS	ABS
COLOUR	Grey - RAL 7035	Grey - RAL 7035	Grey - RAL 7035
LOUDSPEAKER	9 cm	12 cm	17 cm / 17 cm Glass fibre + tweeter
SPL	88.5 dBA/1W/1m	92 dBA/1W/1m	95 dBA/1W/1m -
	95.5 dBA/5W/1m	99 dBA/5W/1m	91 dBA/1W/1m
			107 dBA/15 W/1m - 104 dBA/20W/1m
BANDWIDTH	200 - 10 000 Hz	250 - 10 000 Hz	180 - 10 000 Hz / 100 - 17 000 Hz
DISPERSION ANGLE (-6 dBA)		90°	80°
NOMINAL POWER			
Low impedance		5 W / 4 Ω	15 W - 8 Ω / 20 W - 8 Ω
100 V line	5 W	5-2.5-1.2 W	15-8-4-2 W / 20-10-5-2.5 W
70 V line	2.5 W	2.5-1.2-0.6 W	7.5-4-2-1 W / 10-5-2.5-1.25 W
50 V line	1.25 W	1.2-0.6-0.3 W	3.75-2-1-0.5 W / 5-2.5-1.25-0.6 W
CONNECTION	Pushbutton terminals	Wire (0.60m)	Wire (0.80m)
DIMENSIONS W x D x H (mm)	Ø 100 x 120	Ø 132 x 195	Ø 175 x 265
WEIGHT (kg)	0.7	1.8	1.9
INSTRUCTION BOOKLET	595 734	595 490	595 475 / 595 606
OPTIONS			ZR 04: protective cover.
FEATURES	Mounting bracket.	Swivel bracket. Double cavity system. IP 54	Swivel bracket. Double cavity system. IP 55 for RB 2035



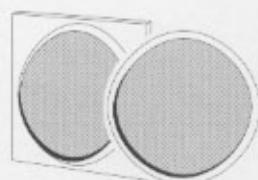
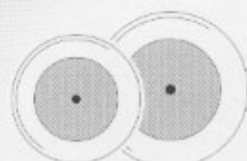


RB 701		RB 2701	REFERENCE
FLAGSHIP PRODUCT	Circular	Circular	DESCRIPTION
	Metal	Metal	STYLE
	White - RAL 9010	White - RAL 9010	MATERIAL
	17 cm	17 cm - Coaxial - Glass fibre	COLOUR
	93 dBA/1W/1m	90 dBA/1W/1m	LOUDSPEAKER
	101 dBA/6W/1m	103 dBA/20W/1m	SPL
80 - 17 000 Hz		70 - 20 000 Hz	BANDWIDTH
170°		160°	DISPERSION ANGLE (-6 dBA)
6 W / 8 Ω		20 W / 8 Ω	NOMINAL POWER
6-3-1.5-0.8 W		20-10-5-2.5 W	Low impedance
			100 V line
			70 V line
			50 V line
Screw terminals		Screw terminals	CONNECTION
Ø 250 x 120		Ø 250 x 120	DIMENSIONS W x D x H (mm)
1.2		1.7	WEIGHT (kg)
596 259		596 259	INSTRUCTION BOOKLET
ZR 86 - flameproof cover			OPTIONS
Ø flush fitting : 211 mm		Ø flush fitting : 211 mm	FEATURES



**LOUDSPEAKERS**

CEILING LOUDSPEAKERS

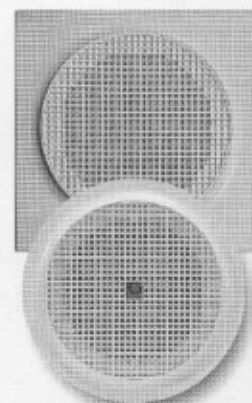
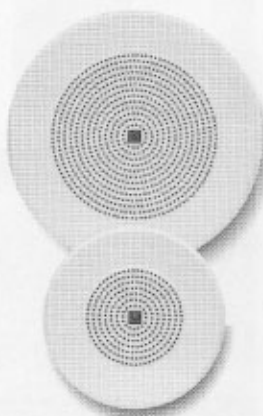


W

ell-known
for its
acoustic
qualities,

the sober modernity of its design and a rapid mounting system available on all models, this family of ceiling speakers meets with undeniable success in the most diverse kinds of settings. With its fiberglass loudspeaker, the RB 2701 model offers the advantage, among others, of functioning in damp environments such as indoor swimming pools etc. With its latex-treated diaphragm, the RB 401 loudspeaker can be installed, for instance, in hotel bathrooms.

REFERENCE	RB 400 / RB 401	RB 501 / RB 801	RB 2000 / RB 2001
DESCRIPTION	DIPLAR	DIPLAR	DIPLAR
STYLE	Circular	Circular	Square / Circular
MATERIAL	Metal	Metal	ABS
COLOUR	White - RAL 9010	White - RAL 9010	White - RAL 9010
LOUDSPEAKER	8.7 cm	12 cm / 21 cm - Dual cone	17 cm - dual cone
SPL	87.5 dBA/1W/1m 90.5 dBA/3W/1m	91 dBA/1W/1m - 93 dBA/1W/1m 99 dBA/6W/1m - 101 dBA/6W/1m	92 dBA/1W/1m 99 dBA/6W/1m
BANDWIDTH	100 - 12 000 Hz	100 - 18 000 Hz / 50 - 18 000 Hz	70 - 13 000 Hz
DISPERSION ANGLE (+6 dBA)	170°	160° / 170°	160°
NOMINAL POWER			
Low impedance	6 W / 8 Ω	6 W / 8 Ω	6 W / 8 Ω
100 V line	6-3-1.5-0.8 W (RB 401)	6-3-1.5-0.8 W	6-3-1.5-0.8 W
70 V line	3-1.5-0.7-0.4 W (RB 401)	3-1.5-0.7-0.4 W	3-1.5-0.7-0.4 W
50 V line	1.5-0.7-0.4-0.2 W (RB 401)	1.5-0.7-0.4-0.2 W	1.5-0.7-0.4-0.2 W
CONNECTION	Screw terminals	Screw terminals	Screw terminals
DIMENSIONS W x D x H (mm)	Ø 125 x 95	Ø 200 x 100 / Ø 280 x 100	245 x 100 x 245 / Ø 245 x 100
WEIGHT (kg)	0.5	1.1 / 1.6	1.2
INSTRUCTION BOOKLET	595 610	595 735	595 906
OPTIONS		ZR 85 / ZR 88 : flameproof cover	ZR 86 : flameproof cover
FEATURES	Ø flush fitting : 112 mm Diaphragm with latex treatment RB 400 : available in 8 Ω only.	RB 501 : Ø flush fitting : 173 mm RB 801 : Ø flush fitting : 256 mm	Ø flush fitting : 211 mm Auto extinguishable V.O.



AMPLIFIED SPEAKERS



RB 2061	RB 4061
Compact speaker	Compact speaker
2 ways	2 ways
Rectangular	Rectangular
Polypropylene -	Polypropylene -
Metal grille	Metal grille
Anthracite grey or white	Black or white
10 cm + tweeter	13 cm + tweeter
85 dBA/1W/1m	88 dBA/1W/1m
98 dBA/20W/1m	104 dBA/40W/1m
100 - 22 000 Hz	60 - 20 500 Hz
130°	
30 W / 8 Ω	50 W / 8 Ω
20-10-5-2,5 W	40-20-10-5 W
10-5-2,5-1,25 W	20-12-7 W
5-2,5-1,25-0,6 W	10-6-3,5 W
Pushbutton terminals	Pushbutton terminals
175 x 142 x 247	180 x 185 x 280
3	3,2
595 791	596 160
See accessories	See accessories
p. 21/22	p. 21/22
Swivel fixture (anti-theft).	Optiself power switch.
Optiself power switch on front panel.	Delivered with mounting swivel bracket.
Tweeter protection.	



REFERENCE	CP 2050	CP 2800
DESCRIPTION	Amplified speaker	Amplified speaker
MATERIAL	Polypropylene -	Polypropylene -
	Metal grille	Metal grille
COLOUR	Anthracite grey	Anthracite grey
LOUDSPEAKER	10 cm	10 cm
SPL	92 dBA/1W/1m	92 dBA/1W/1m
	102 dBA/10W/1m	102 dBA/10W/1m
BANDWIDTH	100 - 17 000 Hz	120 - 17 000 Hz
NOMINAL POWER	10 W	10 W
POWER SUPPLY		
Mains	230 V	230 V - 25 VA
OUTPUT	1 x 0 dBm	1 x 0 dBm
DIMENSIONS L x P x H (mm)	175 x 142 x 247	175 x 142 x 247
WEIGHT (kg) (without battery)	3	3,1
INSTRUCTION BOOKLET	595 693	596 026
OPTIONS		Operate with RF microphone GM 202 and GM 220
FEATURES	Male XLR output. Volume control.	Integrated 200 MHz RF receiver

