



Archon  
Permanent Installation Loudspeaker

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Permanent Installation Loudspeaker

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**Archon 115**  
1000W



**Archon 112**  
1000W



**Archon 110**  
700W



**Archon 108**  
350W

The Archon series of full-range and bi-amped speaker systems have been designed to provide ample bandwidth and high SPL for an accurate sound reproduction in the most various application projects.

With the Archon series FBT wants to meet today's expectations of the installed sound market: a new generation of improved speakers responding to high quality sound requirements for modern indoor spaces.

The FBT Archon series lines up three 2-way full range/bi-amp models and three 2-way full range compact models; in addition, two low-profile subwoofers (2x8" and 2x15") increase the low frequency extension of the desired systems. All Archon speakers are elegantly designed and crafted to meet the most demanding architectural design.

The FBT Archon series has been engineered to fulfill the need of high quality sound in bars, pubs, restaurants, retail shops, clubs, entertainment venues, fitness centres, conference rooms, theatres, educational institutions, houses of worship, museums, exhibition centres, cruise ships, corporate AV, granting excellent speech intelligibility, wide and precise band coverage, ease of installation thanks to the flexible mounting hardware.

# A new generation of improved speakers for modern indoor spaces



**Archon**  
Permanent Installation Loudspeaker

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## The Archon features are:

- Stylish architectural cabinet design
- Acoustically transparent steel grilles with protection cloth
- High SPL, fast responding dynamics, excellent intelligibility, wide band, extremely low distortion
- Baltic birch plywood cabinets available in black or white extra texture paint
- Choice of different RAL paint colours on order
- Choice of different paint finish: glossy, matt, textured and more, on order
- Custom designed low frequency woofers, made in Italy
- Custom designed high frequency compression drivers, made in Italy
- Rotatable horns for optimal horizontal or vertical sound dispersion angle
- Selectable bi-amp/full range crossover network
- Full suspension possibilities through multiple M10 / M5 threaded rigging points and a wide range of mounting hardware
- Possibility to install line transformers for 100V/70V applications
- Possibility to order weatherproof versions for outdoor use
- Possibility to extend low frequencies performance through dedicated and compact subwoofers (Archon 208S, Archon 215S)



## Archon 115 - 112 - 110

2-way, passive sound reinforcement systems

15mm (0.6") baltic birch plywood cabinets

B&C custom designed high excursion LF woofers

B&C custom designed HF compression drivers

Full range / bi-amp crossover networks with protection

2 x Neutrik NL-4 speakon connectors

1 x 4 Euroblock terminal speaker connector

12 x M10 threaded rigging points

2 x metal flange threads for U bracket wall mount

Acoustically transparent steel grille and ant dust protection cloth

Rear pocket handle to ease lifting and installation of the cabinet

35mm (1. 3/8") top hat for speaker stand

New FBT rotatable logo badge following vertical or horizontal installation

Optional mounting hardware

Optional line transformer (300W for Archon 115 and 112, 200W for Archon 110)

## Archon 115

**Passive Sound Reinforcement**  
1000 W / 8 ohm - 134dB SPL

- 1 x 15" (3" VC) B&C custom made high excursion LF woofer
- 1 x 2" (2.5" VC) B& C custom made HF compression driver
- 1 x 2" FBT rotatable 60° x 40° constant directivity horn

## Archon 112

**Passive Sound Reinforcement**  
1000 W / 8 ohm - 133dB SPL

- 1 x 12" (3" VC) B&C custom made high excursion LF woofer
- 1 x 1.4" (2.5" VC) B& C custom made HF compression driver
- 1 x 1.4" FBT rotatable 70° x 50° constant directivity horn



## Archon 110

**Passive Sound Reinforcement**  
700 W / 8 ohm - 129dB SPL

- 1 x 10" (2.5" VC) B&C custom made high excursion LF woofer
- 1 x 1" (1.7" VC) B&C custom made HF compression driver
- 1 x 1" FBT rotatable 80° x 50° constant directivity horn

## Archon 108

**Passive Sound Reinforcement**  
350W / 8 ohm - 121dB SPL

- 1 x 8" (1.5") custom made LF woofer with rubber surround
- 1 x 1.5" HF high-end dome tweeter
- 8 x M5 threaded rigging points

2-way, passive sound reinforcement systems

12mm (0.47") baltic birch plywood cabinets

Custom designed LF woofers, made in Italy

Custom designed HF dome tweeter, Made in Italy

Crossover networks equipped with 4 x Euroblock speaker terminals; factory preset for optimal line transformer installation

Multiple M5 threaded rigging points

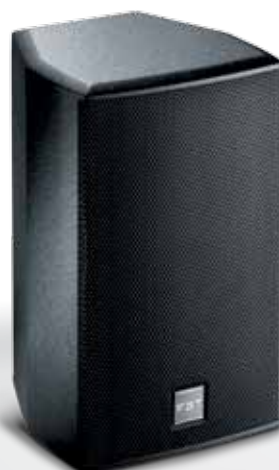
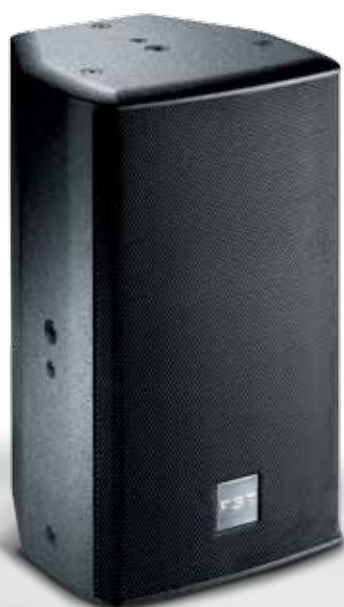
Acoustically transparent steel grille and antidust protection cloth

New FBT rotatable logo badge following vertical or horizontal installation

Optional mounting hardware

Optional line transformer (100W for Archon 108 and 106, 50W for Archon 105)

**Archon 108**



## Archon 106 - 105

2-way, passive sound reinforcement systems

12mm (0.47") baltic birch plywood cabinets

Custom designed LF woofers, made in Italy

Custom designed HF dome tweeter, Made in Italy

Crossover networks equipped with 4 x Euroblock speaker terminals; factory preset for optimal line transformer installation

Multiple M5 threaded rigging points

Acoustically transparent steel grille and antidust protection cloth

New FBT rotatable logo badge following vertical or horizontal installation

Optional mounting hardware

Optional line transformer (100W for Archon 108 and 106, 50W for Archon 105)

## Archon 106

**Passive Sound Reinforcement**  
300W / 8 ohm - 119dB SPL

- 1 x 6.5" (1.5") custom made LF woofer with rubber surround
- 1 x 1" HF dome tweeter
- 6 x M5 threaded rigging points

## Archon 105

**Passive Sound Reinforcement**  
200W / 8 ohm - 115dB SPL

- 1 x 5" (1.25" VC) custom made LF woofer with rubber surround
- 1 x 1" HF dome tweeter
- 4 x M5 threaded rigging points



## Archon 215S

### Passive Sound Reinforcement Subwoofer

2000W / 4ohm 142dB SPL

- 2 x 15" (4" VC) custom made high excursion woofer with bass-reflex enclosure
- 18mm (3/4) birch plywood enclosure
- Four FBT design aluminum handles
- 2 x Speakon NL-4 connectors

## Archon 208S

### Passive Sound Reinforcement Subwoofer

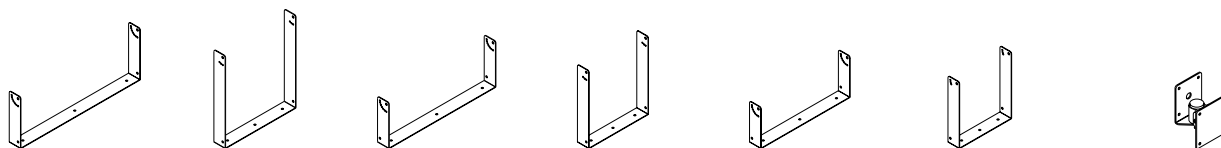
600W / 8ohm 132dB SPL

- 2 x 8" (2" VC) custom made high excursion woofer with bass-reflex enclosure
- 15mm (5/8) birch plywood enclosure
- Two pocket handles
- 2 x Speakon NL-4 connectors





ARCHON		115	112	110	108	106	105	2155	208S
Configuration	way	2	2	2	2	2	2	1	1
Recommended amplifier	W rms	1000	1000	700	350	300	200	2000	600
System Long term power	W	500	500	350	175	150	100	1000	300
System Short term power IEC 268-5	W	2000	2000	1400	700	600	400	4000	1200
Transformer	V/W	100 /300 optional	100 /300 optional	100 / 200 optional	100 / 100 optional	100 / 100 optional	100 / 50 optional	-	-
Nominal impedance	Ohm	8	8	8	8	8	8	4	8
Frequency response	@-6dB	48Hz - 18KHz	50Hz - 18KHz	60Hz - 18KHz	55Hz - 22KHz	60Hz - 22KHz	70Hz - 22KHz	35Hz - 500Hz	50Hz - 500Hz
Low frequency woofer	inch	15 - 3 coil	12 - 3 coil	10 - 2.5 coil	8 - 1.5 coil	6.5 - 1.5 coil	5 - 1.25 coil	2 x 15 4 coil	2 x 8 - 2 coil
AES power	W	400	400	300	150	120	70	500	150
High frequency driver	inch	2 - 2.5 coil	1.4 - 2.5 coil	1 - 1.7 coil	1.5 - 1.5 coil dome	1 - 1 coil dome	1 - 1 coil dome	-	-
AES power	W	80	80	50	35	20	20	-	-
Sensitivity (@1W/1m)	dB	100	99	97	92.5	91	89	101	95
Maximum SPL cont/peak (Bi-Amp)	dB	130 / 134	129 / 133	125 / 129	118 / 121	116 / 119	112 / 115	139/142 half-space	129/132 half space
Dispersion	H x V	60° x 40°	70° x 50°	80° x 50°	90°	100°	110°	omni	omni
Crossover frequency	kHz	1.3 passive or active Bi-Amp	1.6 passive or active Bi-Amp	1.8 passive or active Bi-Amp	2	2.5	3	external active	external active
Recommended HP filter		35hz - 24dboct	40hz - 24dboct	45hz - 24dboct	40hz - 24dboct	45hz - 24dboct	60hz - 24dboct	28hz - 24dboct	40hz - 24dboct
Recommended external filter		Digital management with presets	Digital management with presets	Digital management with presets	-	-	-	Digital management with presets	Digital management with presets
Input connectors		2 x Speakon NL4 in & thru 4 x Euroblock	2 x Speakon NL4 in & thru 4 x Euroblock	2 x Speakon NL4 in & thru 4 x Euroblock	4 x Euroblock 0-8-100V (low-high)	4 x Euroblock 0-8-100V (low-high)	4 x Euroblock 0-8-100V (low-high)	2 x Speakon NL4 in & thru	2 x Speakon NL4 in & thru
Net dimensions (WxHxD)	mm inch	435x740x421 17.12x29.13x16.57	365x660x380 14.37x25.98x14.96	320x550x325 12.59x21.65x12.79	248x411x248 9.76x16.18x9.76	216x360x216 8.50x14.17x8.50	180x300x180 7.08x11.81x7.08	900x485x640 35.43x19.09x25.19	550x285x480 21.65x11.22x18.89
Net weight	kg/lb	29/63,9	22/48,5	15/33	6,5/14,3	5,5/12,1	4/8,8	50/110,2	18/39,6
Transport dimensions(WxHxD)	mm inch	530x860x530 20.86x33.85x20.86	530x860x530 20.86x33.85x20.86	420x650x420 16.53x25.59x16.53	330x491x330 12.99x19.33x12.99	300x440x300 11.81x17.32x11.81	260x380x260 10.23x14.96x10.23	1000x530x800 39.4x20.8x31.5	690x370x625 27.16x14.56x24.60
Transport weight	kg/lb	31/68,3	24/53	17/37,4	8,5/18,7	7,5/16,5	6/13,2	60/132,3	20/44



AC-U 115V	AC-U 115H	AC-U 112V	AC-U 112H	AC-U 110V	AC-U 110H	AC-W 568/AC-W 568W
36331	36328	36330	36327	36329	36326	36987 / 37330
Wall metal bracket to mount in vertical position	Wall metal bracket to mount in horizontal position	Wall metal bracket to mount in vertical position	Wall metal bracket to mount in horizontal position	Wall metal bracket to mount in vertical position	Wall metal bracket to mount in horizontal position	Directional wall metal bracket black / white
<b>Archon 115</b>	<b>Archon 115</b>	<b>Archon 112</b>	<b>Archon 112</b>	<b>Archon 110</b>	<b>Archon 110</b>	<b>Archon 105, 106, 108</b>

KIT 100V TRANSFORMER	POWER	CODE
Archon 105	50 W	37438
Archon 106/108	100 W	37439
Archon 110	200 W	37443
Archon 112/115	300 W	37444