

Catalog for Equipment Integrators 2014



 **FOCAL**[®]
THE SPIRIT OF SOUND



Public Address 100 V Solutions

- ◆ In-Ceiling 100V loudspeakers: *Custom 100 - T*
- ◆ 100V compact loudspeakers: *Sib & Co - T*
- ◆ Outdoor 100V loudspeakers: *Chorus 700 - T, Custom 100 - T*



Custom Solutions

- ◆ In-Wall / On-Wall loudspeakers: *Electra 1000, Chorus 700, Custom 100*
- ◆ In-Ceiling loudspeakers: *Electra 1000 Be 2, Chorus 700, Custom 100*
- ◆ Outdoor loudspeakers: *Chorus 700, Custom 100*



Notes

The Spirit of Sound

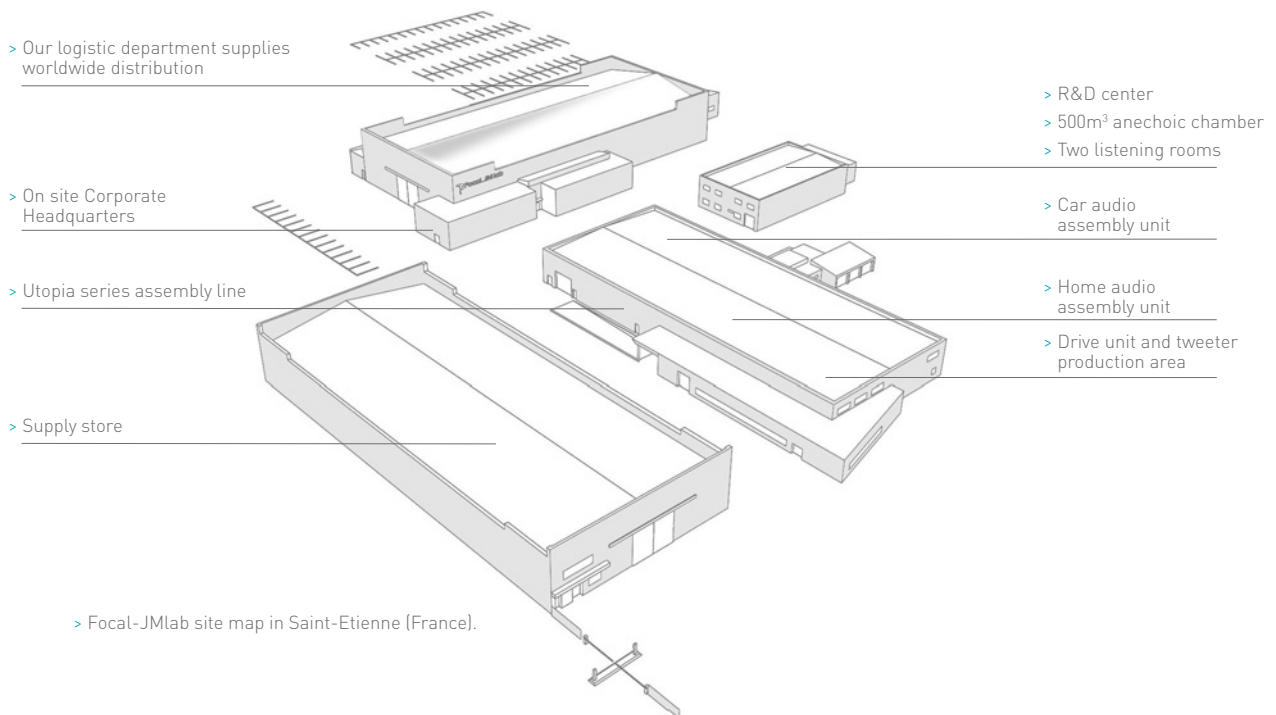
Since 35 years, Focal has designed, developed and manufactured drive-units and loudspeakers. Our renown is international: that of a market leader in the segment of quality acoustic loudspeakers. Over these years, several legendary models and series have appeared and led the way to greater success and prestige. At the zenith of this evolution, the Grande Utopia. This

speaker alone created a worldwide shock that inscribed Focal into history books as the most innovative loudspeaker brand on the planet. Innovation, design and industrialisation follow in a tradition where skilled handwork remains an essential element of our luxury offering, and justifies our activities in research and development, and most of all, the manufacturing of our loudspeakers at our

production site. Dynamism and creativity are intrinsic Focal values.

We believe that to push limits is the only possible avenue to innovation and that all that belongs to the domain of the impossible simply represents a challenge.

Innovation, tradition, be the world's best in everything we create for your pleasure, that's our philosophy: "the Spirit of Sound".



> Focal, it's a brand, but also three divisions: Focal Home, Focal Car and Focal Professional. Each of these divisions enriches the others with its own experience to make progress in every field. Today, Focal Home also gathers two subdivisions, split between traditional Acoustic Loudspeaker, and New Media solutions dedicated to private customers or groups...



Public Address 100 V Solutions

The Focal Public Address Integration range was developed by our Research & Development team to meet the simple requirements of the current market for indoor and outdoor installations. Unobtrusive products (In-Wall and In-Ceiling range) with a well-treated finish for a successful integration with the Focal sound signature. These products perfectly suit applications such as: hotel, shop, meeting room, shopping centre, restaurant...

"In-Ceiling" 100V loudspeakers

Custom 100 - T line

These 2-way In-Ceiling loudspeakers are designed for a high-quality sound system with a powerful, clear and always balanced sound. Thanks to the Focal technology for the inverted dome tweeter, this line has the best space dispersion of the market! This range design will guarantee excellent intelligibility, whatever the location of the loudspeaker, thanks to the models equipped with the rotating tweeter (except for IC 105 - T). In order to benefit from optimum integration, each model is sold with a cutting template, a protection for painting, a logo is also included in the packaging to place it or not on the speaker grille. Flat grille for perfect integration.

Custom 105 - T



The most compact In-Ceiling solution with a 5" (130mm) fiberglass woofer and inverted aluminium dome tweeter. Ideal the voice spectrum and the diffusion of messages.

Custom 106 - T



Fairly balanced with compact size and performance, the IC 106 - T is an In-Ceiling loudspeaker easy to install and ultra versatile thanks to its linearity, its rotating tweeter and its numerous adjustments.

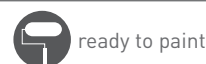
Custom 108 - T



With its 8" (210mm) fiberglass woofer, its 91dB efficiency and its very high power handling, the IC 108 - T recreates a large, powerful and punchy sound without resorting to a subwoofer.

Technical specifications

	IC 105 - T	IC 106 - T	IC 108 - T
Speakers	Ø 5" (130mm) Polyflex® midbass Ø 1" (25mm) tweeter	Ø 6 1/2" (165mm) Polyflex® midbass Ø 1" (25mm) tweeter	Ø 8" (210mm) Polyflex® midbass Ø 1" (25mm) tweeter
Frequency response	65Hz - 20kHz	60Hz - 20kHz	50Hz - 20kHz
Sensitivity (2.83V/1m)	88dB @ 1W/1m at 1kHz	89dB @ 1W/1m at 1kHz	90dB @ 1W/1m at 1kHz
Nominal power	15, 8, 4W /100V - 50W/8Ω	20, 10, 5W /100V - 60W/8Ω	30, 20, 10W /100V - 70W/8Ω
Opening angle	170° /1kHz	170° /1kHz	165° /1kHz
Dimensions (diam./depth)	Ø 7 7/8" /3 7/16" (200mm/87mm)	Ø 9 9/16" /3 3/16" (243mm/81mm)	Ø 11 1/8" /4 1/8" (282mm/105mm)
Cut-out dimensions (diam./depth)	Ø 6 1/2" /3 1/3" (165mm/85mm)	Ø 8 3/16" /3 1/16" (208mm/78mm)	Ø 9 11/16" /4" (246mm/102mm)
Weight	2.87lbs (1.3kg)	3.09lbs (1.4kg)	3.53lbs (1.6kg)
Packaging	per unit	per unit	per unit



100V compact loudspeakers

Ligne Sib & Co

The Sib & Co line is a reference in its category, thanks to its excellent sound reproduction and its exceptional size/power ratio. Its unobtrusive and elegant design remains very enhanceive, either in the glossy Jet Black or Pearl White finish.

Sib - T



Elegant and high-quality loudspeaker, thanks to its jointed base, you can use it in multiple configurations, such as on wall, on ceiling or on a shelf.

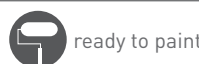
Sib XL - T



On Wall loudspeaker, compact and shallow, powerful thanks to its two 5" (130mm) woofers. Very high intelligibility, good response in the bass frequencies, perfect balance for background music.

Technical specifications

	SIB - T	SIB XL - T
Speakers	Ø 5" (130mm) Polyflex® midbass Ø 3/4" (19mm) Mylar dome tweeter	2 x Ø 5" (130mm) Polyflex® midbass Ø 3/4" (19mm) OAL Aluminium dome tweeter
Frequency response	80Hz - 20kHz	67Hz - 20kHz
Sensitivity (2.83V/1m)	90dB	91dB
Nominal power	30W, 15W, 7.5W/100V - 50W/4Ω	60W, 30W, 15W/100V - 100W/4Ω
Opening angle	160° H x 150° V /1kHz	190° H x 65° V /1kHz
Dimensions (H x L x D)	10 ^{3/4} " x 5 ^{9/16} " x 6 ^{7/16} " (247 x 142 x 164mm)	19 ^{7/8} " x 5 ^{5/8} " x 4 ^{1/4} " (505 x 142 x 108mm)
Weight	4.6lbs (2.6kg)	9.9lbs (4.5kg)
Packaging	per unit	per unit



Outdoor 100V/70V loudspeakers

The outdoor loudspeaker OD 706 - T extends the Public Address range to prolong the Focal sound outside. Supplied with adjustable bracket (screw) and ready to paint for optimal integration.

Chorus OD 706 - T

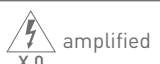
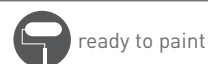


Compact loudspeaker for short and mid-range installations, the OD 706 - T is first of all a very high-fidelity loudspeaker thanks to exclusive speaker technologies: Polyglass woofer and Aluminum/Magnesium tweeter.

Indoor use also possible as a high sound quality loudspeaker.

Technical specifications

	OD 706 - T
Speakers	6 ¹ / ₂ " (165mm) Polyglass midbass 1" (25mm) Al/Mg TNV inverted dome tweeter
Frequency response (±3dB)	60Hz - 28kHz
Sensitivity (2.83V/1m)	90dB
Nominal impedance	8Ω
Amp. recommended power	30W, 15W, 10W /100V 30W, 15W, 10W, 5W /70V 80W /8Ω
Dimensions (H x L x D)	11 ¹⁵ / ₁₆ " x 8 ¹ / ₂ " x 7 ⁹ / ₁₆ " (304 x 216 x 192mm)
Weight	7lbs (3.2kg)
Packaging	per unit





Custom Solutions

All the Focal In-Wall Custom solutions, from the ceiling to the outdoor solutions, are developed with the same quality standards as our traditional speakers. So, they are an almost invisible alternative sound system, all ready-to-be-painted and supplied with numerous accessories to get the best possible integration in your environment.

In-Wall loudspeakers

Electra IW 1003 Be



True technology concentrate, this reference 3-way is the high-end traditional alternative loudspeaker. Horizontal or vertical mounting available or in-wall. Magnetic speaker grille.

Electra IW 1002 Be / IW 1002

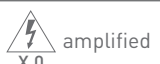
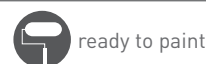


The IW 1002 Be's sophisticated design enables it to compete with any high-end 2-way loudspeaker thanks to its pure Beryllium inverted dome tweeter and its W cone woofer loaded with integrated sealed volume. Magnetic speaker grille.

IW 1002 : Aluminum/Magnesium inverted dome tweeter version

Technical specifications

	IW 1003 Be	IW 1002 Be	IW 1002
Speakers	6 1/2" (165mm) "W" passive radiator 6 1/2" (165mm) "W" 3" (80mm) "W" midrange 1 1/16" (27mm) Be tweeter	6 1/2" (165mm) "W" midbass 1 1/16" (27mm) Be tweeter	6 1/2" (165mm) "W" midbass 1" (25mm) Al/Mg tweeter
Frequency response (±3dB)	49Hz - 40kHz	60Hz - 40kHz	60Hz - 30.5kHz
Sensitivity (2.83V/1m)	90dB	88dB	88dB
Nominal impedance	8Ω	8Ω	8Ω
Amp. recommended power	25-240W	25-150W	25-150W
Adjustments	Tweeter: -3dB / 0dB / +3dB Midrange: -3dB / 0dB / +3dB	Tweeter: -3dB / 0dB / +3dB	Tweeter: -3dB / 0dB / +3dB
Dimensions (H x L x D)	27 7/16" x 11 3/4" x 4" (700x298x102mm)	16 3/8" x 11 3/4" x 4" (415x298x102mm)	16 3/8" x 11 3/4" x 4" (415x298x102mm)
Cut-out dimensions (H x L)	26 3/16" x 10 5/16" (664x262mm)	14 15/16" x 10 5/16" (379 x 262mm)	14 15/16" x 10 5/16" (379 x 262mm)
Depth from wall	3 7/8" (99mm)	3 7/8" (99mm)	3 7/8" (99mm)
Weight	22lbs (10kg)	13.6lbs (6.2kg)	13.6lbs (6.2kg)
Packaging	per unit	per unit	per unit



Chorus IW 706



The two-way, In-Wall acoustic loudspeaker IW 706 benefits from all the technology that came from the Chorus line. A superior quality sound in stereo and an extremely wall-adapted speaker for the 5.1 and 7.1 multichannel solutions.

Mounting kit (for walls under construction).

Custom IW 106

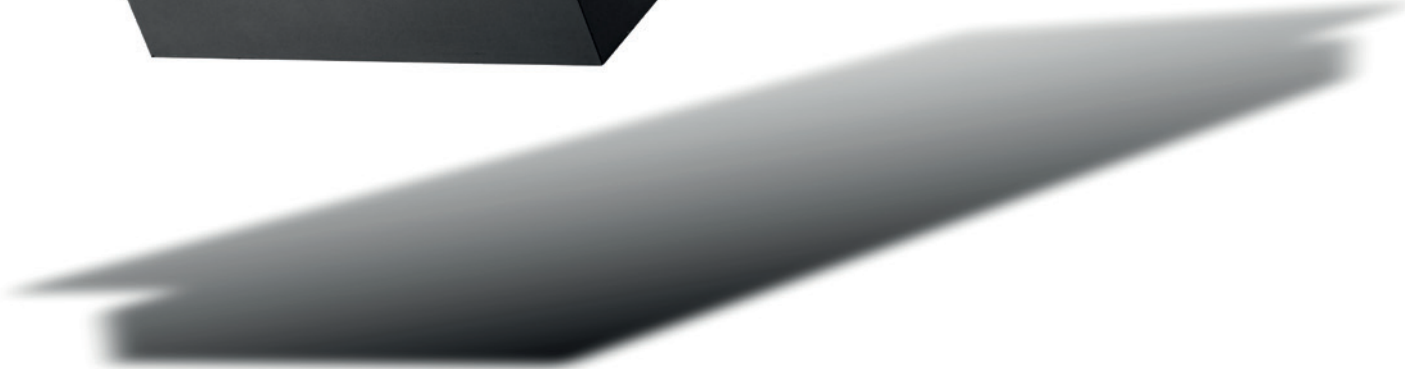


As in the entire Custom 100 line, the IW 106 benefits from Focal know-how: high power handling and efficiency, compatibility with damp environments, inverted dome tweeter and fiberglass cone make it a 100% Focal product.

Mounting kit (for walls under construction).

Technical specifications

	Chorus IW 706	Custom IW 106
Speakers	6 1/2" (165mm) Polyglass midbass 1" (25mm) Al/Mg adjustable tweeter.	6 1/2" (165mm) fiberglass midbass 1" (25mm) Aluminum adjustable tweeter
Frequency response (±3dB)	65Hz - 28kHz	60Hz - 20kHz
Sensitivity (2.83V/1m)	89dB	89dB
Nominal impedance	8Ω	8Ω
Amp. recommended power	25-120W	10-120W
Tweeter Adjustments	-3dB / 0dB / +3dB	-3dB / 0dB / +3dB
Dimensions (H x L x D)	12 5/8" x 9 1/4" x 3 3/4" (321 x 235 x 96mm)	12 3/16" x 8 1/8" x 2 15/16" (310 x 207 x 74mm)
Cut-out dimensions (H x L)	11 1/3" x 8" (288 x 203mm)	10 5/8" x 6 11/16" (273 x 170mm)
Depth from wall	3 5/8" (92mm)	2 3/16" (71mm)
Weight	4.4lbs (2kg)	3.4lbs (1.6kg)
Packaging	per unit	per unit



In-Ceiling loudspeakers

Electra IC 1002



The IC 1002 is a high-end loudspeaker, equipped with an exclusive coaxial driver, with W cone and Al/Mg tweeter, for maximum musicality and power handling. Perfect for a quality main system or as a high-end In-Ceiling effect speaker.

Mounting kit (for walls under construction).

Chorus IC 706



The In-Ceiling version of the IW 706, the IC 706 revisits all the same technologies with a 6^{1/2}" [165mm] Polyglass woofer, coaxial version of the TNV and Wall Boost Control. It benefits from an update and evolution without concessions as does any Focal loudspeaker.

Mounting kit (for walls under construction).

Chorus IC 706 ST

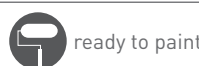


The IC 706 - ST is a stereo loudspeaker, perfect for small rooms, without losing any information from the left and right channels or as a simplified surround solution.

Mounting kit (for walls under construction).

Technical specifications

	IC 1002	IC 706	IC 706 - ST
Speakers	6 ^{1/2} " (165mm) "W" midbass 1" (25mm) Al/Mg inverted dome tweeter	6 ^{1/2} " (165mm) Polyglass midbass 1" (25mm) Al/Mg TNV inverted dome adjustable tweeter	6 ^{1/2} " (165mm) dual voice coil Polyglass midbass 1" (25mm) dual Al/Mg TNV rotating inverted dome tweeter
Frequency response (±3dB)	60Hz - 30.5kHz	65Hz - 28kHz	65Hz - 28kHz
Sensitivity (2.83V/1m)	88dB	89dB	89dB
Nominal impedance	8Ω	8Ω	2 x 8Ω
Amp. recommended power	25-150W	25-120W	25-120W
Tweeter adjustments	-3dB / 0dB / +3dB	-3dB / 0dB / +3dB	-
Dimensions (diam./depth)	Ø 10" x 3 ^{3/4} " (253 x 96mm)	Ø 10" x 3 ^{3/4} " (253 x 96mm)	Ø 10" x 3 ^{3/4} " (253 x 96mm)
Cut-out dimensions (diam.)	Ø 8 ^{11/16} " (221mm)	Ø 8 ^{11/16} " (221mm)	Ø 8 ^{11/16} " (221mm)
Depth from wall	3 ^{5/8} " (92mm)	3 ^{5/8} " (92mm)	3 ^{7/8} " (99mm)
Weight	4.6lbs (2.1kg)	4.2lbs (1.9kg)	4.4lbs (2kg)
Packaging	per unit	per unit	per unit



Custom IC 108



With its 8" (210mm) fiberglass woofer, 91dB sensitivity and very high power handling, the IC 108 recreates a large, powerful sound, capable of properly playing in rooms of very large dimensions.

Mounting kit (for walls under construction).

Custom IC 106



Fairly balanced with compact size, performance and bass reproduction, the IC 106 is the ultra multi-purpose and adaptable In-Ceiling loudspeaker thanks to its heritage and numerous possible settings. The true Focal sound at a competitive price.

Mounting kit (for walls under construction).

Custom IC 105

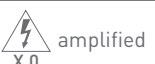
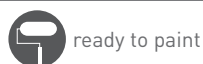


The most compact In-Ceiling solution with a 5" (130mm) woofer and an inverted dome, Aluminum coaxial tweeter: ideal for small rooms, bedrooms or bathrooms, outdoor use or marine use.

Mounting kit (for walls under construction).

Technical specifications

	IC 108	IC 106	IC 105
Speakers	8" (210mm) fiberglass midbass 1" (25mm) Aluminum adjustable tweeter	6 ¹ / ₂ " (165mm) fiberglass midbass 1" (25mm) Aluminum adjustable tweeter	5" (130mm) fiberglass midbass 1" (25mm) Aluminum tweeter
Frequency response (±3dB)	50Hz - 20kHz	60Hz - 20kHz	65Hz - 20kHz
Sensitivity (2.83V/1m)	91dB	89dB	88dB
Nominal impedance	8Ω	8Ω	8Ω
Amp. recommended power	10-140W	10-120W	10-100W
Tweeter adjustments	-3dB / 0dB / +3dB	-3dB / 0dB / +3dB	-3dB / 0dB / +3dB
Dimensions (diam./depth)	Ø 11 ¹ / ₈ " x 4 ¹ / ₈ " [282 x 105mm]	Ø 9 ⁹ / ₁₆ " [243 x 81mm]	Ø 7 ⁷ / ₈ " x 3 ⁷ / ₁₆ " [200 x 87mm]
Cut-out dimensions (diam.)	Ø 9 ¹¹ / ₁₆ " [246mm]	Ø 8 ³ / ₁₆ " [208mm]	Ø 6 ¹ / ₂ " [165mm]
Depth from wall	4" [102mm]	3 ¹ / ₁₆ " [78mm]	3 ⁵ / ₁₆ " [84mm]
Weight	5.5lbs [2.5kg]	3.4lbs [1.6kg]	2.3lbs [1.1kg]
Packaging	per unit	per unit	per unit





Outdoor loudspeakers

Chorus OD 706



Bring the Focal sound to the outside is the vocation of the outdoor OD 706 loudspeaker, waterproof and resistant to common weather conditions. Ideal for a sound system on a terrace and midrange listening with very high musicality.

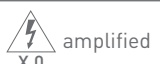
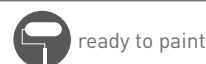
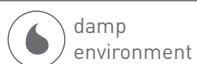
Custom OD 108



The big sound brought outdoors thanks to a 8" (210mm) fiberglass woofer. Designed for a long and midrange use, maintaining enough sharpness for a nearfield listening, even at low level. Perfect for bringing the sound into your garden with substantial power stock.

Technical specifications

	OD 706	OD 108
Speakers	6 ¹ / ₂ " (165mm) Polyglass midbass 1" (25mm) Al/Mg TNV inverted dome tweeter	8" (210mm) fiberglass midbass 1" (25mm) Aluminum inverted dome tweeter
Frequency response (±3dB)	60Hz - 28kHz	50Hz - 20kHz
Sensitivity (2.83V/1m)	90dB	91dB
Nominal impedance	8Ω	8Ω
Amp. recommended power	25-120W	10-200W
Dimensions (HxLxD)	11 ¹⁵ / ₁₆ " x 8 ¹ / ₂ " x 7 ⁹ / ₁₆ " (304x216x192mm)	16 ⁵ / ₁₆ " x 11 ⁵ / ₁₆ " x 10 ³ / ₁₆ " (414x287x258mm)
Weight	7lbs (3.2kg)	12.8lbs (5.8kg)
Packaging	per unit	per unit





Dealer stamp



GB-EXP

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