Electra® 1000 Be 2
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That which stirs emotion

The Electra line 1000 was founded on an obvious fact: to make the heritage, technologies and performance once reserved for Utopia Be more accessible on an economic level of course but not only. We wanted to create a high-end line of loudspeakers in harmony with the integration requirements in the nowadays interiors, compact, attractive, sleek and balanced at the same time. We added an “object” dimension to our high-end line that entirely became a decoration element, while our technologic patrimony is maintained to tend towards very high-end sound definition.

We entrusted our ideas and our innovations to a design group in Paris Pineau & Le Porcher who sketched out the first contours in order to unite style and performance.

In 2009, this loudspeaker line has known a major technologic evolution with new drivers and new settings for even more sophisticated and dynamic sound and has become Electra 1000 Be 2. New finishes are appearing: Basalt and Champagne, in addition to the timeless Black Lacquer finish (piano black) and in 2011, another finish comes to complete the Electra 1000 Be 2 offer: Mahogany. But this line even goes further by offering the choice of color customization, on-demand. In the end, Electra 1000 Be 2 is a complete line for high-fidelity and home-theatre, easy to install and use. A speaker that truly stirs emotion through its sophisticated aesthetics, customizable and its stunning performance.

Pleasure, innovation, tradition, be the best: this is the approach we have with our products, from the worldwide reference loudspeaker Grande Utopia EM to the Focal XS multimedia system. These are Focal values, the four dimensions of “the Spirit of Sound”.
The unique structure of the IAL tweeter permits a free space behind the dome of the tweeter, charged with a practically infinite air volume. The resonant frequency, which is the principal factor limiting a tweeter in the midrange, is considerably lower.

In 2003, the Utopia line inaugurated a revolutionary technology: the pure Beryllium inverted dome for which Focal now holds two manufacturing patents. Ultra-light (21mg), but rigid (7 times more rigid than titanium or aluminum for the same volume-mass), Beryllium possesses absolutely fantastic properties to create an exceptional tweeter. Add to this the capability to surpass 45kHz without break-up, and at high-pressure levels. Last but not least, it stands out with excellent linearity thanks to its high internal damping, which inhibits resonance and distortion at the far reach of its frequency range.

In 2009, which dome diameter goes from 25 to 27mm, optimizes the recovery of the cut-off frequency and improves dynamics and precision.

Focal is the only manufacturer in the world to master all the steps in the fabrication of a pure Beryllium dome on its production site, from development and optimization to forming (patented process).
The "W" composite cone
Mastery through our know-how

The W composite sandwich technology is one of Focal’s most famous inven-
tions, an innovation that’s still at the top, because its progress has never stopped.

The "W" cone was born at the same time as the Grande Utopia of 1995. At
the time, the goal was to get closest to the theoretical ideals that consisted in get-
ing simultaneously 3 essential qualities: create a material that is both ultra-light
and more rigid than any other that bene-
fits from high internal damping to avoid
any sound coloration. The "W" sandwich
was the perfect answer.

Seven years later, the "W" knows a
patented major evolution. Combining
glass coats of different densities and in
different layers (from 1 up to 3 on the
front and back side of the cone), but
also internal foams of different thickness,
we are learning how to sculpt the response
curve of the drivers and to control one by
one the cone characteristics whether it is
used for a woofer or a midrange.
The third generation of "W" cone
appears with the Utopia 3 line with laser
trimming that permits to progress once
again. The laser’s precision permits cut-
outs that were impossible so far; that’s a
major point when we consider the
influence of the edge profile on the
driver characteristics. Electro 1000 Be 2
benefits once again from the Utopia 3
innovations and very soon after the
launching of this reference line. That’s
one of the numerous advantages we can
gain from designing and making the dri-
vers on the same site in France; we can
quickly adapt an important innovation to
tell our ranges.

> Single-skinned 3" (8cm) midrange in "W" composite cone, for the centre channel
Electro CC 1028 Bz.

> Double-skinned, 7" (18cm) woofer in "W" composite cone, Electro 1038 Bz.

> Electro 1028 Be Black Lacquer.
When style and technology meet, harmony arises

Entrusted to the design house Pineau & Le Foucher with which Focal collaborated on its other speaker lines, we wished to create a pure line of simple, natural beauty with Electra 1000 Be 2, where each style element would harmonise with the technical necessities to create the best speaker possible. With Electra 1000 Be 2, nothing comes for free. Each curve is studied to bring a tangible response and correction to a given problem. The tweeter housing and coupling is a moulded, solid piece of aluminium alloy, which represents an ultra-stable mechanical reference, with absolutely no vibration.

Every aspect of Electra 1000 Be 2 has a purpose, such as the non-parallel side panels which tighten the geometry and diffuse standing waves, or the base that conceals the otherwise unattractive port, while at the same time radically reduces the phenomena of dynamic compression in the lower bass. But the principal innovation would be the rounded aluminium baffle of the loudspeaker. The form, which is taken up in the shape of the tweeter housing and into the side panels, suppresses hard edges which are usually responsible for diffraction or edge effects surrounding the tweeter. A novel and original approach to the high-end loudspeaker segment which lends all its strength to the Electra 1000 Be 2 line.
We haven’t forgotten the magic that is Home Theatre!

New high-definition video formats are arriving, with matching high-quality sound: little compression of weak signals, very high dynamics, very wide bandwidth, exceptional definition. Home theatre sound finally achieves “high-definition”.

The multi-channel Electra 1000 Be 2 series was designed in this spirit in order to allow truly exceptional performance at all levels, whether it be in terms of definition, power and obviously 3D coherence. All our technologies that are so appreciated in stereo, such as Beryllium domes, IAL, “W” sandwich cones, Advanced (Gamma) structure, lend themselves admirably to this new high-resolution multi-channel environment. And for the rest, we innovated with a three-way centre channel speaker, with perfectly controlled directivity, BASH® subwoofer, Bi/Twin surround sound speaker which enable a multitude of configurations.

Multi-channel sound
Thanks to the Bi/Twin selector, the SR 1000 Be can function in two different modes. It is ideal to create a 6.1 or 7.1 configuration with only one pair of speakers or for multi-purpose listening of home theatre and SACD. For the enthusiast of bipole or direct effects: this switch is an offering of true simplicity.

Electra SR 1000 Be Surround
The Electra SR 1000 Be effect loudspeaker is a true speaker-cabinet masterpiece with an incredibly complex assembly. The design of its round baffle in solid MDF was dictated by the same philosophy as the other loudspeakers in the Electra 1000 Be 2 series: the very minimal horizontal directivity and exceptional linearity over a large frequency band constitute many rare qualities for these truly exceptional centre speakers.

Center
The Electra CC 1008 Be center speaker takes up the same principle as the Focal three-way phase geometry for a homogeneous distribution of energy. The timbre, perfectly in symbiosis with the sonic signature of the other speakers in the Electra 1000 Be 2 series, the very minimal horizontal directivity and exceptional linearity over a large frequency band constitute many rare qualities for these truly exceptional centre speakers.

Subwoofer
24-bit digital processor, extended setting possibilities, BASH® amplifier, W cone, the SW 1000 Be is of high technology nature and has numerous possibilities. The processor control through the remote can now become inactive to avoid the interference with other remote controls.

The wireless remote control permits access to all digital parametric filtering functions and menus of the subwoofer. The expanded profile of the port pushes the air noise turbulence responsible for distortion and dynamic compression deep into the infrabass.

Thanks to the Bi/Twin selector, the SR 1000 Be can function in two different modes. It is ideal to create a 6.1 or 7.1 configuration with only one pair of speakers or for multi-purpose listening of home theatre and SACD. For the enthusiast of bipole or direct effects: this switch is an offering of true simplicity.

Surround
The Electra SR 1000 Be effect loudspeaker is a true speaker-cabinet masterpiece with an incredibly complex assembly. The design of its round baffle in solid MDF was dictated by the same philosophy as the other loudspeakers in the Electra 1000 Be 2 line: to eliminate the cabinet edge effects in terms of diffraction, bandwidth non-linearity as well as a poorly-controlled directivity.
The traditional Electra 1000 Be 2 loudspeakers are completed by 4 high-performance In-Wall and In-Ceiling loudspeakers, which benefit from the advance made with Electra 1000 Be drivers and filtering. The magnetic levelled grille of the In-Wall loudspeakers is very thin and can be painted, integration as well as easy mounting are optimized. Optional MDF mounting frames are available in black or white lacquered finish, or in rough wood ready-to-be-painted. They enable easy On-Wall mounting of the In-Wall or On-Wall loudspeakers when flush-fitting is not possible or simply not wanted. The Electra 1000 Be 2 line offers a dedicated stand: S 1000 High Gloss, in Black Lacquer finish, with an internal metal bar. The loudspeaker is directly fixed to the stand to guaranty the greatest stability and a perfect mechanical coupling.

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Living with your loudspeakers

> Powerful Neodymium magnets placed all around the loudspeaker support the very thin and discreet metallic grille of the In-Wall loudspeakers.

> Electra 1008 Be on the S 1000 High Gloss stand.

> Structure of the S 1000 High Gloss stand with an internal metal bar.

All the Electra 1000 Be 2 models can be personalized on demand (see the conditions with your local dealer).
Electra 1000 Be 2

The Electra 1000 Be 2 line is a family of five loudspeakers, each one providing a unique combination of features. The range includes a high-performance, bass-reflex bookshelf model, a floorstanding loudspeaker, and three in-wall models, each designed to work in rooms of different dimensions.

### Electra 1008 Be
- **Description**: 2-way sealed bipole/twin mono
- **Drivers**: Two 6½" (16.5cm) "W" woofers, 1½" (37mm) pure Beryllium IAL inverted dome tweeter
- **Finish**: Black Lacquer, Champagne, Basalt, White
- **Dimensions**: 21½ x 19¾ x 17" (546x499x432mm)
- **Crossover frequencies**: 2600Hz
- **Features**: 24-bit digital processor, 600W (800W max.) digital amplifier, 150V (180V max.) woofer, the Electra SW 1000 Be subwoofer

### Electra 1028 Be
- **Description**: 3-way sealed enclosure
- **Drivers**: Three 7" (18cm) "W" woofers, 1½" (37mm) pure Beryllium IAL inverted dome tweeter
- **Finish**: Mahogany
- **Dimensions**: 49¼ x 11¼ x 15½" (1250x284x393mm)
- **Crossover frequencies**: 50Hz / 2600Hz
- **Features**: 24-bit digital processor, 600W (800W max.) woofer, the Electra SW 1000 Be subwoofer

### Electra CC 1008 Be
- **Description**: Active bass-reflex subwoofer
- **Drivers**: Two 6½" (16.5cm) "W" woofers, 1½" (37mm) pure Beryllium IAL inverted dome tweeter
- **Finish**: Basalt
- **Dimensions**: 39½ x 15¼ x 19" (999x387x482mm)
- **Crossover frequencies**: 2600Hz
- **Features**: 24-bit digital processor, 600W (800W max.) woofer, the Electra SW 1000 Be subwoofer

### Electra SR 1000 Be
- **Description**: In-Wall speaker, Powerflow
- **Drivers**: Two 6½" (16.5cm) "W" woofers, 1½" (37mm) pure Beryllium IAL inverted dome tweeter
- **Finish**: Black Lacquer
- **Dimensions**: 14¾ x 10¾ x 17" (379x271x432mm)
- **Crossover frequencies**: 2600Hz
- **Features**: 24-bit digital processor, 600W (800W max.) woofer, the Electra SW 1000 Be subwoofer

### Electra IW 1003 Be
- **Description**: Active bass-reflex subwoofer
- **Drivers**: Two 6½" (16.5cm) "W" woofers, 1½" (37mm) pure Beryllium IAL inverted dome tweeter
- **Finish**: Mahogany
- **Dimensions**: 21¼ x 19½ x 17" (540x495x432mm)
- **Crossover frequencies**: 2600Hz
- **Features**: 24-bit digital processor, 600W (800W max.) woofer, the Electra SW 1000 Be subwoofer

### Electra IW 1002 Be
- **Description**: Active bass-reflex subwoofer
- **Drivers**: Two 6½" (16.5cm) "W" woofers, 1½" (37mm) pure Beryllium IAL inverted dome tweeter
- **Finish**: White
- **Dimensions**: 21¼ x 19½ x 17" (540x495x432mm)
- **Crossover frequencies**: 2600Hz
- **Features**: 24-bit digital processor, 600W (800W max.) woofer, the Electra SW 1000 Be subwoofer

### Electra IW 1001 Be
- **Description**: Active bass-reflex subwoofer
- **Drivers**: Two 6½" (16.5cm) "W" woofers, 1½" (37mm) pure Beryllium IAL inverted dome tweeter
- **Finish**: White
- **Dimensions**: 21¼ x 19½ x 17" (540x495x432mm)
- **Crossover frequencies**: 2600Hz
- **Features**: 24-bit digital processor, 600W (800W max.) woofer, the Electra SW 1000 Be subwoofer

### Specifications

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<tr>
<th>Model</th>
<th>Type</th>
<th>Description</th>
<th>Drivers</th>
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All of the models in the Electra 1000 Be 2 range (except SR 1000 Be) are available in Basalt, Champagne, Black Lacquer and Mahogany finishes. Some models also offer special finishes on demand. All models use Focal’s Polyglass Silk tweeter and Bas-relief baskets. The SW 1000 Be subwoofer is also available in a Champagne finish. The SR 1000 Be subwoofer is designed for use in a 5.1 system (in a home cinema setup) or as a 7.1 (in a multiroom setup) without exceeding the number of effect loudspeakers in the Home Theatre rooms.

The high power-handling of the SR 1000 Be, along with its exclusive "Be/Twin" structure, makes it possible to work in rooms of big dimensions. The high power-handling enables it to compete with any high-end subwoofer thanks to its pure Beryllium IAL passive radiator loaded with integrated speaker technology, the originality of solid bass.