We, Focal,
strive to create sound
equipment that honours the artist’s
musical creation and empowers you to
feel a new dimension of the music. We want
every nuance to be revealed with precision and
purity. To do this, we push the limits of the current
boundaries in sound technology, and go beyond
the traditional approach thinking differently.
With Focal, let the sound thrill your senses
until you go beyond the usual perception
of music and discover new fields
of emotion.

LISTEN BEYOND
For four decades, Focal has been applying its unique sound signature to speaker drivers and high-end loudspeakers. We are renowned worldwide for our innovations which have given birth to exclusive technologies, and some of our loudspeakers have gone on to become world-renowned references.

Our philosophy is to promote our expertise made in France: 100% of our products are designed and developed by our engineers, and a large part of our collections are made in France in our own workshops. All Focal products benefit from innovations which result from the ongoing research in the field of acoustics. This technological heritage, protected by numerous patents, ensures a sound which is clear, powerful and true to nature; for providing the best audio systems in each category.

Our passion for music combined with our passion for cars led to the Car Audio Collection that launched in the 90s. Focal offers audio systems and kits for lovers of beautiful cars, to unite the pure pleasure of driving with the love of sound and music. From the most prestigious custom installation to kits to fit in your car, the solutions are always optimized for your vehicle. Our technology brings together the best innovations and materials to enhance the sound environment and make your journey an intensely pleasurable experience.

Innovation and performance, the highest levels of expertise and pleasure are the brand’s values. They define Focal’s signature, whose unique goal is to take you beyond sound. Listen Beyond.
The birth of the Car Audio division in the 90s allowed Focal to offer a Hi-Fi sound to music and car enthusiasts, uniting the pleasure of driving with that of a pure sound.

For us, innovation means pushing the boundaries of what’s possible. That’s why we are constantly playing with the mobile environment around us, and as a result are developing our range of kits. Thanks to the meticulous work of our engineers, we are achieving this and always expanding our offers. Our aim is to offer you high-performance products that are aesthetically pleasing and easy to install. Whether a custom creation with Utopia M, our flagship line, or an Access kit offering strategic price positioning, we devote the same care to the manufacturing of every single speaker driver.

Inspired by the very best Focal technologies, the Utopia M line and its Beryllium tweeter deliver acoustic quality that is quite simply exceptional... All wrapped up in finishes that take on the ultimate high-end Hi-Fi design codes.

Discover the performance of the iconic yellow cone, the emblem of sportiness, dynamics and power. With its ‘M’-shaped aramid-fibre inverted dome tweeter and its ‘push-pull’ motor, the K2 Power line is in a league of its own.

Equipped with a flax cone, the new Flax Evo line embodies the quest for sound performance, combined with meticulous aesthetics. The sandwich is made of glass fibre and flax, a harmonious union of rigidity, weight and damping, for an acoustic rendering that is as sharp as it is powerful.

Forget your existing audio system: treat yourself to a fresh sound, with defined midranges thanks to the Polyglass kits. Named after the cone that characterises it, the Polyglass line has already proven its worth.

Access brings you closer to the ultimate in Focal innovation with its exclusive DFS cone, robust and reliable. Access audio kits offer high performance and strategic price positioning.

Compatible with a wide range of vehicles, quick and easy to install, Universal kits deliver a detail-rich and powerful sound without altering the aesthetics of your car’s cabin. Leaving you to simply take pleasure in the listening experience.

The young generation will also find with the Auditor line the Focal sound expertise at a very affordable budget. The design and select technologies will provide the perfect audio accompaniment to enhance the driving experience.

CAR AUDIO

UTOPIA
‘À la carte’ concept

K2 POWER
More than products, a lifestyle!

FLAX EVO
The perfect balance

POLYGLASS
A winning combination

ACCESS
Accessible Focal technology

UNIVERSAL
An optimal compatibility

AUDITOR
Your first installation with Focal sound

AND ALSO
Subwoofers, electronics, accessories...
For years, the Utopia range has been a myth for all music and car lovers. It has become a benchmark thanks to our unique technologies.

With our rich history and strong DNA, we set ourselves a huge challenge: to renew the range and establish a new reference of high-end drivers in the market.

And thus Utopia M was born, the quintessence of our expertise and our latest patented technologies.

Utopia M is an innovative, 'à la carte' concept, that lets you build your own bespoke system depending on your vehicle, the only limit being your creativity and that of the installer fitting it. When devising its unique design, a mix of tradition and innovation, our designers drew on the codes and richness of French architecture.

This work was possible thanks to the development of our patented ‘M-profile ‘W’ sandwich cone, which pushes the boundaries by perfectly combining the 3 criteria essential for creating the ideal driver: rigidity/lightness/damping.

In combination with our patented TMD® surround, distortion is reduced, thus increasing the precision and realism of the midrange. Our Beryllium tweeter also benefits from these innovations and includes an ‘M-shaped inverted dome combined with our TMD® surround, which provides a striking level of detail.

With Utopia M, the legend continues...
<table>
<thead>
<tr>
<th></th>
<th>TBM</th>
<th>6WM</th>
<th>3.5WM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Tweeter</td>
<td>Woofer</td>
<td>Midrange</td>
</tr>
<tr>
<td>Diameter</td>
<td>6½” (165mm)</td>
<td>3½” (87.5mm)</td>
<td></td>
</tr>
<tr>
<td>Cone</td>
<td>‘M’ shape pure Beryllium dome</td>
<td>‘M’ profile ‘W’</td>
<td>‘M’ profile ‘W’</td>
</tr>
<tr>
<td>Surround technology</td>
<td>Tuned Mass Damper (TMD®)</td>
<td>Tuned Mass Damper (TMD®)</td>
<td>Tuned Mass Damper (TMD®)</td>
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<tr>
<td>Motor</td>
<td>Neodymium</td>
<td>Neodymium</td>
<td>Neodymium</td>
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<tr>
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<tr>
<td>Voice coil diameter</td>
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<td>1½” (45mm)</td>
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<td>Voice coil height</td>
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<td>½” (15.5mm)</td>
<td>⅔” (8mm)</td>
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<td>4Ω</td>
<td>4Ω</td>
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<tr>
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<td>100W</td>
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<tr>
<td>Nom. power</td>
<td>200W RMS</td>
<td>100W RMS</td>
<td>50W RMS</td>
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<td>Sensitivity (2.83V/1m)</td>
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<td>91.5dB</td>
<td>88dB</td>
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<tr>
<td>Frequency response</td>
<td>1.5kHz - 50kHz</td>
<td>60Hz - 6kHz</td>
<td>20Hz - 20kHz</td>
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<tr>
<td>Accessories</td>
<td>Supplied mounting brackets</td>
<td>Optional grille</td>
<td>Optional grille</td>
</tr>
</tbody>
</table>

6" grille
‘M’ shaped design
Aluminium ring
Sold separately by unit

3.5" grille
‘M’ shaped design
Aluminium ring
Sold separately by unit
### 8WM 10WM

- **Type**
  - Woofer
  - Subwoofer
- **Diameter**
  - 8” (200mm)
  - 10” (250mm)
- **Cone**
  - 1M-profile ‘W’
  - 1M-profile ‘W’
- **Surround technology**
  - Tuned Mass Damper (TMD\(^{\circledR}\))
  - -
- **Motor**
  - Neodymium
  - Neodymium
- **Mounting depth**
  - 2⅛” (52mm)
  - 4¼” (108mm)
- **Voice coil diameter**
  - 3⅛” (80mm)
  - Dual voice coil 4⅛” (120mm)
- **Voice coil height**
  - 1⅛” (31.5mm)
  - 1⅞” (45mm)
- **Impedance**
  - 4Ω
  - 2 x 4Ω
- **Max. power**
  - 200W
  - 800W
- **Nom. power**
  - 100W RMS
  - 400W RMS
- **Sensitivity**
  - (2.83V/1m)
  - 91.8dB
  - 87.5dB
- **Frequency response**
  - 45Hz - 5kHz
  - 25Hz - 800Hz
- **Suggested load volume**
  - Sealed enclosure: 0.35 to 0.52 cu ft
  - (10 to 15 l)
- **Accessories**
  - Optional grille
  - -

### Accessories
Grille 8”
YM-shaped design.
Aluminium ring.
Sold separately by unit.

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### 165W-XP Passive

- **Type**
  - 2-way component kit
- **Diameter**
  - 6½” (165mm)
- **Cone**
  - Composite ‘W’ sandwich
- **Surround technology**
  - Tuned Mass Damper (TMD\(^{\circledR}\))
  - -
- **Motor**
  - Ferrite
- **Mounting depth**
  - 2⅛” (54mm)
- **Voice coil diameter**
  - 1⅛” (32mm)
- **Voice coil height**
  - 1⅛” (31.5mm)
- **Tweeter**
  - Pure Beryllium inverted dome
- **Crossover**
  - Separated: 12/18dB bi-amp
  - Adjustable tweeter level:+3; 0; -3dB/oct
- **Impedance**
  - 2Ω
- **Max. power**
  - 200W
- **Nom. power**
  - 100W RMS
- **Sensitivity**
  - (2.83V/1m)
  - 93dB
- **Frequency response**
  - 60Hz - 40kHz
- **Accessories**
  - Grilles included

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Utopia wouldn’t be Utopia without this new 165W-XP kit. An evolution of one of our most iconic products, which opens the door to this world and its exceptional performance. It integrates our latest technologies such as the TMD\(^{\circledR}\) surround, a progressive spider and a new, pure Beryllium inverted dome tweeter.
More than products, a lifestyle!

Besides its distinct yellow colour, the K2 Power line has become a lifestyle object in its own right worldwide. Once more, our engineers have pushed back the limits of performance to continue making the reputation of this extraordinary line synonymous with power and precision!

The K2 Power’s composite sandwich cone combines three key features: rigidity, lightness and damping. This unique expertise ‘Made in Focal’ combines a new patented TMD® (Tuned Mass Damper) rubber surround which controls unwanted resonances to provide a clean and neutral midrange with very low harmonic distortion.

The ventilated voice coil gap keeps the temperature of the voice coil low and stable for increased power handling and reliability. The subwoofers have been designed to work in very compact volumes while having a very high SPL and an amazing energy!

Finally, the major innovation of this line made in France is the ‘M’-profile inverted dome tweeter. This totally exclusive ‘M’-profile inverted dome tweeter has been specifically designed to increase precision in the very high frequencies. The push-pull motor inspired by the IAL technology dampens acoustic resonances on the back of the membrane and extends the low end of the frequency response, in a very compact housing.

K2 POWER

> Aramid-fibre sandwich cone
> TMD® surround (Tuned Mass Damper)
> Ventilated voice coil cooling system
> ‘M’ profile inverted dome tweeter
| Model     | Type                        | Diameter       | Cone                  | Surround Technology          | Motor                           | Mounting depth   | Voice coil diameter | Voice coil height | Tweeter                  | Crossover                  | Adjustable tweeter level | Impedance | Max. power | Nom. power | Sensitivity (2.83V/1m) | Frequency response | Suggested load volume | Accessories |
|-----------|-----------------------------|----------------|-----------------------|-------------------------------|-------------------------------|-----------------------------|-------------------|--------------------|-------------------|--------------------------|----------------------------|--------------------------|------------|------------|------------|--------------------------|---------------------------|------------------------|-------------|
| EC 165 K  | 2-way coaxial kit           | 6½" (165mm)    | K2 composite sandwich | Tuned Mass Damper (TMD®)     | Ferrite                       | 2" (51mm)                  | 1" (25mm)        | ½" (12mm)         | 1½" (38mm)       | TKH (14 profile)         | Separated: 6-12/12dB/oct | +5, -3, -6dB/oct          | 4Ω         | 160W       | 80W RMS    | 92.8 dB                  | 60Hz - 22kHz              | -                      | Grilles included |
| ES 100 K  | 2-way component kit         | 4" (100mm)     | K2 composite sandwich | Tuned Mass Damper (TMD®)     | Ferrite                       | 1½" (39mm)                 | ⁵⁄₁₆" (20mm)     | ¹⁄₈" (12mm)       | ½" (12mm)        | TKM (9 profile)          | Separated: 6-12/12dB/oct | +5, -3, -6dB/oct          | 4Ω         | 120W       | 60W RMS    | 90 dB                    | 65Hz - 22kHz              | -                      | Grilles included |
| ES 130 K  | 2-way component kit         | 3" (75mm)      | K2 composite sandwich | Tuned Mass Damper (TMD®)     | Ferrite                       | 19/16" (40mm)              | ¹⁄₈" (8.5mm)     | ¹⁄₈" (12mm)       | ½" (12mm)        | TKM (9 profile)          | Separated: 6-12/12dB/oct | +5, -3, -6dB/oct          | 4Ω         | 100W       | 80W RMS    | 90 dB                    | 65Hz - 22kHz              | -                      | Grilles included |
| ES 165 K  | 2-way component kit         | 6½" (165mm)    | K2 composite sandwich | Tuned Mass Damper (TMD®)     | Ferrite                       | 215/16" (74mm)             | ¹⁄₈" (20mm)      | ¹⁄₄" (32mm)       | 1½" (38mm)       | TKM (9 profile)         | Separated: 6-12/12dB/oct | +5, -3, -6dB/oct          | 4Ω         | 200W       | 100W RMS   | 100 dB                   | 60Hz - 22kHz              | -                      | Grilles included |
| ES 165 K2 | 2-way component kit         | 6½" (165mm)    | K2 composite sandwich | Tuned Mass Damper (TMD®)     | Ferrite                       | 215/16" (74mm)             | ¹⁄₈" (20mm)      | ¹⁄₄" (32mm)       | 1½" (38mm)       | TKM (9 profile)         | Separated: 6-12/12dB/oct | +5, -3, -6dB/oct          | 4Ω         | 240W       | 120W RMS   | 120 dB                   | 60Hz - 22kHz              | -                      | Grilles included |
| ES 165 KX | 2-way component kit         | 6½" (165mm)    | K2 composite sandwich | Tuned Mass Damper (TMD®)     | Ferrite                       | 215/16" (73.9mm)           | ¹⁄₈" (20mm)      | ¹⁄₄" (32mm)       | 1½" (38mm)       | TKM (9 profile)         | Separated: 6-12/12dB/oct | +5, -3, -6dB/oct          | 4Ω         | 200W       | 100W RMS   | 100 dB                   | 60Hz - 22kHz              | -                      | Grilles included |
| ES 165 KX2| 2-way component kit         | 6½" (165mm)    | K2 composite sandwich | Tuned Mass Damper (TMD®)     | Ferrite                       | 215/16" (73.9mm)           | ¹⁄₈" (20mm)      | ¹⁄₄" (32mm)       | 1½" (38mm)       | TKM (9 profile)         | Separated: 6-12/12dB/oct | +5, -3, -6dB/oct          | 4Ω         | 240W       | 120W RMS   | 120 dB                   | 60Hz - 22kHz              | -                      | Grilles included |
| ES 165 KX3| 3-way component kit         | 6½" (165mm)    | K2 composite sandwich | Tuned Mass Damper (TMD®)     | Ferrite                       | 215/16" (74mm)             | ¹⁄₈" (20mm)      | ¹⁄₂" (32mm)       | 1½" (38mm)       | TKM (9 profile)         | Separated: 6-12/12dB/oct | +5, -3, -6dB/oct          | 4Ω         | 240W       | 120W RMS   | 120 dB                   | 60Hz - 22kHz              | -                      | Grilles included |
| E25 KX    | Subwoofer                   | 10" (250mm)    | K2 composite sandwich | Tuned Mass Damper (TMD®)     | Woofer/ Ferrite               | 215/16" (73.9mm)           | ¹⁄₄" (32mm)      | ¹⁄₂" (32mm)       | 1½" (38mm)       | TKM (9 profile)         | Separated: 6-12/12dB/oct | +5, -3, -6dB/oct          | 4Ω         | 240W       | 120W RMS   | 120 dB                   | 60Hz - 22kHz              | -                      | Grilles included |
| E30 KX    | Subwoofer                   | 12" (300mm)    | K2 composite sandwich | Tuned Mass Damper (TMD®)     | Woofer/ Ferrite               | 215/16" (74mm)             | ¹⁄₂" (32mm)      | ¹⁄₂" (32mm)       | 1½" (38mm)       | TKM (9 profile)         | Separated: 6-12/12dB/oct | +5, -3, -6dB/oct          | 4Ω         | 240W       | 120W RMS   | 120 dB                   | 60Hz - 22kHz              | -                      | Grilles included |

- Accessories: Grilles included

Sealed enclosure: 0.99 to 2.3 cu ft (28 to 69 l)
Bass-reflex: 0.79 to 2.84 cu ft (23 to 82 l)

Suggested load volume:
- Sealed enclosure: 0.99 to 2.3 cu ft (28 to 69 l)
- Bass-reflex: 0.79 to 2.84 cu ft (23 to 82 l)
Over recent years, many innovations have appeared in the materials field by combining traditional natural materials with modern composites, a whole new genre of hybrid materials has emerged.

Just as our ‘sandwich’ technology, perfectly mastered with our ‘K2’ and ‘W’ cones, is the optimal combination of rigidity/weight/damping, flax was the engineers’ obvious choice for the sandwich core. The use of an ecotextile, combined with composite technologies, provides an innovative solution for a sandwich structure: we use a very high-quality flax – French flax, considered the best in the world – and place it between two layers of glass fibre.

Manufactured in our workshops in France, the Flax cone is characterised by its very natural sound without colouration, a rich reproduction in the midrange and clear bass strokes. From the Home to the Car Audio collection, it features in many of Focal’s flagship products with our Flax Evo line comprising kits with 2 and 3-way component kits, a coaxial kit, and subwoofers.

In addition to aluminium baskets, the TAM tweeter – another Focal exclusive technology developed and manufactured in our workshops – completes the range and sets itself apart through its qualities in terms of ‘wide-angle’ diffusion, a massive advantage for in-car installations.
<table>
<thead>
<tr>
<th>PC 165 FE</th>
<th>PS 130 FE</th>
<th>PS 165 FE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type</strong></td>
<td>2-way coaxial kit</td>
<td>2-way component kit</td>
</tr>
<tr>
<td><strong>Diameter</strong></td>
<td>6½” (165mm)</td>
<td>5” (130mm)</td>
</tr>
<tr>
<td><strong>Cone</strong></td>
<td>Flax sandwich</td>
<td>Flax sandwich</td>
</tr>
<tr>
<td><strong>Surround technology</strong></td>
<td>Tuned Mass Damper (TMD&lt;sup&gt;®&lt;/sup&gt;)</td>
<td>Tuned Mass Damper (TMD&lt;sup&gt;®&lt;/sup&gt;)</td>
</tr>
<tr>
<td><strong>Motor</strong></td>
<td>Ferrite</td>
<td>Ferrite</td>
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<tr>
<td><strong>Mounting depth</strong></td>
<td>2¼” (57.2mm)</td>
<td>2¼” (57.2mm)</td>
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<tr>
<td><strong>Voice coil diameter</strong></td>
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<td>1” (25mm)</td>
</tr>
<tr>
<td><strong>Voice coil height</strong></td>
<td>¼” (13mm)</td>
<td>¼” (13mm)</td>
</tr>
<tr>
<td><strong>Tweeter</strong></td>
<td>Coaxial 'M'-profile inverted dome</td>
<td>TAM ('M'-profile Aluminum/Magnesium inverted dome)</td>
</tr>
<tr>
<td><strong>Crossover</strong></td>
<td>Integrated: 6dB/oct</td>
<td>Separated: 12/12dB/oct</td>
</tr>
<tr>
<td><strong>Adjustable tweeter level</strong></td>
<td>0; -3dB/oct</td>
<td>0; -3dB/oct</td>
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<tr>
<td><strong>Impedance</strong></td>
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<tr>
<td><strong>Max. power</strong></td>
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<td>120W</td>
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<td>70W RMS</td>
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<td>90dB</td>
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<td><strong>Frequency response</strong></td>
<td>60Hz - 28kHz</td>
<td>75Hz - 28kHz</td>
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<tr>
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<th>PS 165 FXE</th>
<th>PS 165 F3E</th>
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<tr>
<td><strong>Type</strong></td>
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<td>6½” (165mm)</td>
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<tr>
<td><strong>Cone</strong></td>
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<td>Flax sandwich</td>
</tr>
<tr>
<td><strong>Surround technology</strong></td>
<td>Tuned Mass Damper (TMD&lt;sup&gt;®&lt;/sup&gt;)</td>
<td>Tuned Mass Damper (TMD&lt;sup&gt;®&lt;/sup&gt;)</td>
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<tr>
<td><strong>Motor</strong></td>
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<td>Ferrite</td>
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<tr>
<td><strong>Mounting depth</strong></td>
<td>2¼” (54.5mm)</td>
<td>3” (77mm)</td>
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<td><strong>Voice coil diameter</strong></td>
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<td><strong>Voice coil height</strong></td>
<td>1¼” (15mm)</td>
<td>1¼” (15mm)</td>
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<tr>
<td><strong>Tweeter</strong></td>
<td>TAM ('M'-profile Aluminum/Magnesium inverted dome)</td>
<td>TAM ('M'-profile Aluminum/Magnesium inverted dome)</td>
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<tr>
<td><strong>Crossover</strong></td>
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<td>Separated: 12-18dB/oct</td>
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<td><strong>Adjustable tweeter level</strong></td>
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<td>0; -3dB/oct</td>
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<tr>
<td><strong>Impedance</strong></td>
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<tr>
<td><strong>Max. power</strong></td>
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<td>160W</td>
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<td>80W RMS</td>
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<tr>
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<td>90.5dB</td>
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<tr>
<td><strong>Frequency response</strong></td>
<td>75Hz - 28kHz</td>
<td>75Hz - 28kHz</td>
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</tbody>
</table>

Mounting accessories, screws.
**P 20 FE**

- **Type**: Sealed box and bass-reflex subwoofer
- **Diameter**: 8" (200mm)
- **Cone**: Flax sandwich
- **Motor**: Dual ferrite
- **Mounting depth**: 45/8" (117mm)
- **Voice coil diameter**: 1½" (38mm)
- **Voice coil height**: 1¼" (29mm)
- **Impedance**: 4Ω
- **Max. power**: 500W
- **Nom. power**: 250W RMS
- **Sensitivity (2.83V/1m)**: 82.5dB
- **Frequency response**: 39Hz - 500Hz
- **Suggested load volume**: Sealed enclosure: 0.35 to 0.52 cu ft (10 to 15 l)
  Bass-reflex: 0.35 to 0.71 cu ft (10 to 20 l)

**P 20 FSE**

- **Type**: Sealed box subwoofer
- **Diameter**: 8" (200mm)
- **Cone**: Flax sandwich
- **Motor**: Dual ferrite
- **Mounting depth**: 3" (76mm)
- **Voice coil diameter**: 1½" (38mm)
- **Voice coil height**: 1⅞" (23mm)
- **Impedance**: 4Ω
- **Max. power**: 400W
- **Nom. power**: 200W RMS
- **Sensitivity (2.83V/1m)**: 86dB
- **Frequency response**: 49Hz - 400Hz
- **Suggested load volume**: Sealed enclosure: 0.21 to 0.32 cu ft (6 to 9 l)

**P 25 FE**

- **Type**: Sealed box and bass-reflex subwoofer
- **Diameter**: 10" (250mm)
- **Cone**: Flax sandwich
- **Motor**: Dual ferrite
- **Mounting depth**: 59/16" (140.6mm)
- **Voice coil diameter**: 2" (50mm)
- **Voice coil height**: 7⅛" (203mm)
- **Impedance**: 4Ω
- **Max. power**: 600W
- **Nom. power**: 300W RMS
- **Sensitivity (2.83V/1m)**: 85dB
- **Frequency response**: 49Hz - 400Hz
- **Suggested load volume**: Sealed enclosure: 0.35 to 0.88 cu ft (10 to 25 l)
  Bass-reflex: 0.88 to 1.23 cu ft (25 to 35 l)

**P 25 FSE**

- **Type**: Sealed box subwoofer
- **Diameter**: 10" (250mm)
- **Cone**: Flax sandwich
- **Motor**: Dual ferrite
- **Mounting depth**: 3" (76mm)
- **Voice coil diameter**: 1½" (38mm)
- **Voice coil height**: 1⅞" (23mm)
- **Impedance**: 4Ω
- **Max. power**: 400W
- **Nom. power**: 200W RMS
- **Sensitivity (2.83V/1m)**: 86dB
- **Frequency response**: 49Hz - 400Hz
- **Suggested load volume**: Sealed enclosure: 0.42 to 0.64 cu ft (12 to 18 l)
Over the thirty years it has been in existence, the Polyglass range has never stopped improving across the board, from concept to design. Our engineers have succeeded in creating high-quality 2-way component kits and coaxial kits that combine power, durability and compactness. Just as high-performing are our subwoofers, which can be used in sealed box or bass-reflex form, and are a real asset to audio installations with their distinctive bass sounds.

The Polyglass cone is the line’s crowning glory. It involves applying fine glass microbeads to a cellulose pulp (paper) cone. A process that combines the paper’s excellent damping with the rigidity of glass. In addition to these assets, it produces well-defined midranges and well-controlled harmonic balance.

Together, all components of the range are meticulously combined to deliver a spectacular sound and surround the passengers with warm sound that has no colouration.

POLYGLASS

A winning combination for well-defined midranges
<table>
<thead>
<tr>
<th></th>
<th>PC 100</th>
<th>PC 130</th>
<th>PC 165</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type</strong></td>
<td>2-way coaxial kit</td>
<td>2-way coaxial kit</td>
<td>2-way coaxial kit</td>
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<tr>
<td><strong>Diameter</strong></td>
<td>4&quot; (100mm)</td>
<td>5&quot; (130mm)</td>
<td>6½&quot; (165mm)</td>
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<tr>
<td><strong>Cone</strong></td>
<td>Polyglass</td>
<td>Polyglass</td>
<td>Polyglass</td>
</tr>
<tr>
<td><strong>Motor</strong></td>
<td>Ferrite</td>
<td>Ferrite</td>
<td>Ferrite</td>
</tr>
<tr>
<td><strong>Mounting depth</strong></td>
<td>2&quot; (51.5mm)</td>
<td>2¼&quot; (56.5mm)</td>
<td>2½&quot; (65.5mm)</td>
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<tr>
<td><strong>Voice coil diameter</strong></td>
<td>1½&quot; (25mm)</td>
<td>1½&quot; (25mm)</td>
<td>1½&quot; (25mm)</td>
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<tr>
<td><strong>Tweeter</strong></td>
<td>Rotating Aluminium inverted dome</td>
<td>Rotating Aluminium inverted dome</td>
<td>Rotating Aluminium inverted dome</td>
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<tr>
<td><strong>Crossover</strong></td>
<td>Integrated 6dB/oct</td>
<td>Integrated 6dB/oct</td>
<td>Integrated 6dB/oct</td>
</tr>
<tr>
<td><strong>Adjustable tweeter level</strong></td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Impedance</strong></td>
<td>4Ω</td>
<td>4Ω</td>
<td>4Ω</td>
</tr>
<tr>
<td><strong>Max. power</strong></td>
<td>100W</td>
<td>120W</td>
<td>160W</td>
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<tr>
<td><strong>Nom. power</strong></td>
<td>50W RMS</td>
<td>60W RMS</td>
<td>80W RMS</td>
</tr>
<tr>
<td><strong>Sensitivity (2.83V/1m)</strong></td>
<td>90 dB</td>
<td>91.6 dB</td>
<td>93.6 dB</td>
</tr>
<tr>
<td><strong>Frequency response</strong></td>
<td>100Hz - 20kHz</td>
<td>80Hz - 20kHz</td>
<td>60Hz - 20kHz</td>
</tr>
<tr>
<td><strong>Suggested loaded volume</strong></td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Accessories</strong></td>
<td>Grilles included</td>
<td>Grilles included</td>
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<table>
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<tr>
<th></th>
<th>PS 165 V1</th>
<th>SUB P 25 DB</th>
<th>SUB P 30 DB</th>
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<tr>
<td><strong>Type</strong></td>
<td>2-way component kit</td>
<td>Subwoofer</td>
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<tr>
<td><strong>Diameter</strong></td>
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<td>10&quot; (250mm)</td>
<td>12&quot; (300mm)</td>
</tr>
<tr>
<td><strong>Cone</strong></td>
<td>Polyglass</td>
<td>Polypropylene</td>
<td>Polypropylene</td>
</tr>
<tr>
<td><strong>Motor</strong></td>
<td>Ferrite</td>
<td>Ferrite</td>
<td>Ferrite</td>
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<tr>
<td><strong>Mounting depth</strong></td>
<td>2½&quot; (51.5mm)</td>
<td>5½&quot; (138.6mm)</td>
<td>6¼&quot; (160.5mm)</td>
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<tr>
<td><strong>Voice coil diameter</strong></td>
<td>1½&quot; (25mm)</td>
<td>5½&quot; (145mm)</td>
<td>5½&quot; (145mm)</td>
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<td><strong>Tweeter</strong></td>
<td>Rotating Aluminium inverted dome</td>
<td>Dual voice coil 2½&quot; (60mm)</td>
<td>Dual voice coil 2½&quot; (60mm)</td>
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<tr>
<td><strong>Crossover</strong></td>
<td>Integrated 6dB/oct</td>
<td>Separated: 6/12dB/oct</td>
<td>-</td>
</tr>
<tr>
<td><strong>Adjustable tweeter level</strong></td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Impedance</strong></td>
<td>4Ω</td>
<td>4Ω</td>
<td>4Ω</td>
</tr>
<tr>
<td><strong>Max. power</strong></td>
<td>500W</td>
<td>600W</td>
<td>600W</td>
</tr>
<tr>
<td><strong>Nom. power</strong></td>
<td>250W RMS</td>
<td>350W RMS</td>
<td>300W RMS</td>
</tr>
<tr>
<td><strong>Sensitivity (2.83V/1m)</strong></td>
<td>92.5dB</td>
<td>93.6 dB</td>
<td>93.6 dB</td>
</tr>
<tr>
<td><strong>Frequency response</strong></td>
<td>42Hz - 500Hz</td>
<td>42Hz - 500Hz</td>
<td>27Hz - 500Hz</td>
</tr>
<tr>
<td><strong>Suggested loaded volume</strong></td>
<td>-</td>
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<td>-</td>
</tr>
<tr>
<td><strong>Accessories</strong></td>
<td>Grilles included</td>
<td>Grilles included</td>
<td>Grilles included</td>
</tr>
</tbody>
</table>
Accessible Focal technology

Access invites all drivers to experience Focal innovation and quality. With its established style and technical quality, this emblematic line prioritises performance: you are guaranteed the full experience of Focal technology in your car.

Power handling, the drop down into the bass and acoustics remain the common denominators across the Access range. The DFS (Dual Fiberglass Structure) cone is robust and reliable. The glass fibre is woven at 90° and sealed with a polyurethane coating, allowing it to be used in extreme acoustic and climatic conditions...

Access is more than a name; it’s an unrivalled and world-renowned story. This complete line - 2-way and 3-way component kits or 2-way coaxial kits can be combined with two subwoofers for renewed acoustic subtlety in your car- continues to offer what has always been its strength: unrivalled performance and strategic price positioning.

- Reinforced ABS basket
- DFS® cone
- Profiled grilles
<table>
<thead>
<tr>
<th>Model</th>
<th>Type</th>
<th>Diameter</th>
<th>Cone</th>
<th>Motor</th>
<th>Mounting depth</th>
<th>Voice coil diameter</th>
<th>Tweeter</th>
<th>Crossover</th>
<th>Impedance</th>
<th>Max. power</th>
<th>Nom. power</th>
<th>Sensitivity (2.83V/1m)</th>
<th>Frequency response</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 AC</td>
<td>2-way coaxial kit</td>
<td>4&quot; (100mm)</td>
<td>DFS® (Dual Fiberglass Structure)</td>
<td>Ferrite</td>
<td>2&quot; (52.2mm)</td>
<td>1&quot; (25mm)</td>
<td>Rotating Aluminium/Inverted dome</td>
<td>Integrated: 6dB/oct</td>
<td>4Ω</td>
<td>80W</td>
<td>40W RMS</td>
<td>87.2dB</td>
<td>70Hz - 20kHz</td>
<td>Grilles included</td>
</tr>
<tr>
<td>130 AC</td>
<td>2-way coaxial kit</td>
<td>5&quot; (130mm)</td>
<td>DFS® (Dual Fiberglass Structure)</td>
<td>Ferrite</td>
<td>2½&quot; (54.7mm)</td>
<td>1½&quot; (39.2mm)</td>
<td>Rotating Aluminium/Inverted dome</td>
<td>Integrated: 6dB/oct</td>
<td>4Ω</td>
<td>100W</td>
<td>50W RMS</td>
<td>89.3dB</td>
<td>70Hz - 20kHz</td>
<td>Grilles included</td>
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<tr>
<td>165 AC</td>
<td>2-way coaxial kit</td>
<td>6½&quot; (165mm)</td>
<td>DFS® (Dual Fiberglass Structure)</td>
<td>Ferrite</td>
<td>2½&quot; (63.8mm)</td>
<td>1½&quot; (39.2mm)</td>
<td>Rotating Aluminium/Inverted dome</td>
<td>Integrated: 6dB/oct</td>
<td>4Ω</td>
<td>120W</td>
<td>60W RMS</td>
<td>91dB</td>
<td>60Hz - 20kHz</td>
<td>Grilles included</td>
</tr>
<tr>
<td>570 AC</td>
<td>2-way coaxial kit</td>
<td>5 x 7&quot; (130 x 180mm)</td>
<td>DFS® (Dual Fiberglass Structure)</td>
<td>Ferrite</td>
<td>2½&quot; (130 x 180mm)</td>
<td>1½&quot; (39.2mm)</td>
<td>Rotating Aluminium/Inverted dome</td>
<td>Integrated: 6dB/oct</td>
<td>4Ω</td>
<td>120W</td>
<td>75W RMS</td>
<td>92.8dB</td>
<td>65Hz - 20kHz</td>
<td>Without grilles</td>
</tr>
<tr>
<td>690 AC</td>
<td>2-way coaxial kit</td>
<td>6 x 9&quot; (165 x 235mm)</td>
<td>DFS® (Dual Fiberglass Structure)</td>
<td>Ferrite</td>
<td>2½&quot; (165 x 235mm)</td>
<td>1½&quot; (39.2mm)</td>
<td>Rotating Aluminium/Inverted dome</td>
<td>Integrated: 6dB/oct</td>
<td>4Ω</td>
<td>150W</td>
<td>75W RMS</td>
<td>93.1dB</td>
<td>50Hz - 20kHz</td>
<td>Grilles included</td>
</tr>
</tbody>
</table>
- Type
  - 130 AS: 2-way component kit
  - 165 AS: 2-way component kit
  - 165 AS3: 3-way component kit

- Diameter
  - 130 AS: 5" (130mm)
  - 165 AS: 6½" (165mm)
  - 165 AS3: 6½" (165mm)

- Cone
  - 130 AS: DFS® (Dual Fiberglass Structure)
  - 165 AS: DFS® (Dual Fiberglass Structure)
  - 165 AS3: DFS® (Dual Fiberglass Structure)

- Motor
  - 130 AS: Ferrite
  - 165 AS: Ferrite
  - 165 AS3: Ferrite

- Mounting depth
  - 130 AS: 2¼" (54.7mm)
  - 165 AS: 2¼" (54.7mm)
  - 165 AS3: 2¼" (54.7mm)

- Voice coil diameter
  - 130 AS: 1" (25mm)
  - 165 AS: 1" (25mm)
  - 165 AS3: 1" (25mm)

- Tweeter
  - 130 AS: Aluminium inverted dome
  - 165 AS: Aluminium inverted dome
  - 165 AS3: Aluminium inverted dome

- Crossover
  - 130 AS: Separated: 12/12dB/oct (5kHz)
  - 165 AS: Separated: 12/12dB/oct (5kHz)
  - 165 AS3: Separated: 12/12dB/oct (5kHz)

- Voice coil diameter
  - 130 AS: +5; 0; 0 dB/oct
  - 165 AS: +5; 0; 0 dB/oct
  - 165 AS3: +5; 0; 0 dB/oct

- Impedance
  - 130 AS: 4Ω
  - 165 AS: 4Ω
  - 165 AS3: 4Ω

- Max. power
  - 130 AS: 100W
  - 165 AS: 120W
  - 165 AS3: 160W

- Nom. power
  - 130 AS: 50W RMS
  - 165 AS: 60W RMS
  - 165 AS3: 80W RMS

- Sensitivity
  - 130 AS: 90dB
  - 165 AS: 91.3dB
  - 165 AS3: 90dB

- Frequency response
  - 130 AS: 65Hz - 20kHz
  - 165 AS: 60Hz - 20kHz
  - 165 AS3: 55Hz - 20kHz

- Accessories
  - Grilles included

- Subwoofer
  - 25 A4: 10" (250mm)
  - 30 A4: 12" (300mm)

- Cone
  - Subwoofer: DFS® (Dual Fiberglass Structure)

- Motor
  - Subwoofer: Ferrite

- Mounting depth
  - Subwoofer: 5" (126.6mm)

- Voice coil diameter
  - Subwoofer: 43/4" (120mm)

- Tweeter
  - Subwoofer: Aluminium inverted dome

- Crossover
  - Subwoofer: Separated: 12/12dB/oct (5kHz)

- Impedance
  - Subwoofer: 4Ω

- Max. power
  - Subwoofer: 400W

- Nom. power
  - Subwoofer: 200W RMS

- Sensitivity
  - Subwoofer: 85dB

- Frequency response
  - Subwoofer: 36Hz - 50Hz

- Accessories
  - Grilles included

- Subwoofer
  - 25 A4: -
  - 30 A4: -

- Nom. power
  - 25 A4: 250W RMS
  - 30 A4: 500W

- Sensitivity
  - 25 A4: 87dB
  - 30 A4: 32Hz - 50Hz

- Accessories
  - Grilles included

- Subwoofer
  - 25 A4: -
  - 30 A4: -

- Nom. power
  - 25 A4: 250W RMS
  - 30 A4: 500W

- Sensitivity
  - 25 A4: 87dB
  - 30 A4: 32Hz - 50Hz

- Accessories
  - Grilles included
Enjoy this line’s rich sound without altering the aesthetics of your car’s cabin. Special attention was paid to design and dimensions during the development stages of these kits, to ensure optimal compatibility with as many different vehicles as possible.

The impressively compact size, achieved by reducing the housing depth, and the snap-off fixings make Universal kits quick to install.

We make it a point of honour to provide you with a material of flawless quality. Universal kits are equipped with the Polyglass cone, offering a natural sound without colouration. They are the perfect partner for the Aluminium/Magnesium inverted dome tweeter, providing renewed acoustic subtlety in your vehicle, and quite simply the pleasure of listening.
<table>
<thead>
<tr>
<th>ICU 100</th>
<th>ICU 130</th>
<th>ICU 165</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>2-way coaxial kit</td>
<td>2-way coaxial kit</td>
</tr>
<tr>
<td>Diameter</td>
<td>4&quot; (100mm)</td>
<td>5&quot; (130mm)</td>
</tr>
<tr>
<td>Cone</td>
<td>Polyglass</td>
<td>Polyglass</td>
</tr>
<tr>
<td>Motor</td>
<td>Ferrite</td>
<td>Ferrite</td>
</tr>
<tr>
<td>Mounting depth</td>
<td>1¾&quot; (49mm)</td>
<td>1¾&quot; (48.9mm)</td>
</tr>
<tr>
<td>Voice coil diameter</td>
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<td>1 ½&quot; (25mm)</td>
</tr>
<tr>
<td>Cone</td>
<td>Polyglass</td>
<td>Polyglass</td>
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<tr>
<td>Motor</td>
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<td>Ferrite</td>
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<td>1 ½&quot; (25mm)</td>
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<td>Flat / High</td>
<td>Flat / High</td>
</tr>
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<td>• Impedance</td>
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<td>• Max. power</td>
<td>80W</td>
<td>120W</td>
</tr>
<tr>
<td>• Nom. power</td>
<td>40W RMS</td>
<td>60W RMS</td>
</tr>
<tr>
<td>• Sensitivity (2.83V/Wm)</td>
<td>90.8dB</td>
<td>91.8dB</td>
</tr>
<tr>
<td>• Frequency response</td>
<td>90Hz - 21kHz</td>
<td>90Hz - 21kHz</td>
</tr>
<tr>
<td>• Accessories</td>
<td>Without grilles</td>
<td>Without grilles</td>
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<table>
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<tr>
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<th>ICU 690</th>
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<tbody>
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</tr>
<tr>
<td>Cone</td>
<td>Polyglass</td>
</tr>
<tr>
<td>Motor</td>
<td>Ferrite</td>
</tr>
<tr>
<td>Mounting depth</td>
<td>2 ½&quot; (59.3mm)</td>
</tr>
<tr>
<td>Voice coil diameter</td>
<td>1 ½&quot; (25mm)</td>
</tr>
<tr>
<td>Cone</td>
<td>Polyglass</td>
</tr>
<tr>
<td>Motor</td>
<td>Ferrite</td>
</tr>
<tr>
<td>Mounting depth</td>
<td>2 ½&quot; (59.3mm)</td>
</tr>
<tr>
<td>Voice coil diameter</td>
<td>1 ½&quot; (25mm)</td>
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<tr>
<td>• Adjustable tweeter level</td>
<td>Flat / High</td>
</tr>
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<td>4Ω</td>
</tr>
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<td>• Max. power</td>
<td>140W</td>
</tr>
<tr>
<td>• Nom. power</td>
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</tr>
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<td>• Sensitivity (2.83V/Wm)</td>
<td>94dB</td>
</tr>
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<td>• Frequency response</td>
<td>80Hz - 21kHz</td>
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<td>• Accessories</td>
<td>Without grilles</td>
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<td>Type</td>
<td>2-way component kit</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------</td>
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<tr>
<td>Diameter</td>
<td>5&quot; (130mm)</td>
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<tr>
<td>Cone</td>
<td>Polyglass</td>
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<td>Ferrite</td>
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<tr>
<td>Mounting depth</td>
<td>1½&quot; (48.9mm)</td>
</tr>
<tr>
<td>Voice coil diameter</td>
<td>1&quot; (25mm)</td>
</tr>
<tr>
<td>Tweeter</td>
<td>Aluminium/Magnesium inverted dome</td>
</tr>
<tr>
<td>Adjustable tweeter level</td>
<td>Car/Display</td>
</tr>
<tr>
<td>Impedance</td>
<td>4Ω</td>
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<tr>
<td>Max. power</td>
<td>120W</td>
</tr>
<tr>
<td>Nom. power</td>
<td>80W RMS</td>
</tr>
<tr>
<td>Sensitivity</td>
<td>91.8dB</td>
</tr>
<tr>
<td>Frequency response</td>
<td>90Hz - 21kHz</td>
</tr>
<tr>
<td>Accessories</td>
<td>Tweeter support Crossovers in line on connectors Supplied without grille</td>
</tr>
</tbody>
</table>

**ISU 130**

**ISU 165**

**ISU 200**

**ISU 690**

**TWU 1.5**

2-way component kit Tweeter

<table>
<thead>
<tr>
<th>6 x 9&quot; (164 x 235mm)</th>
<th>1¼&quot; (49.4mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyglass</td>
<td>Aluminium/Magnesium inverted dome</td>
</tr>
<tr>
<td>Ferrite</td>
<td>Neodymium</td>
</tr>
<tr>
<td>3¼&quot; (85.5mm)</td>
<td>1¼&quot; (31.7mm)</td>
</tr>
<tr>
<td>1¼&quot; (31.7mm)</td>
<td>1¼&quot; (25mm)</td>
</tr>
<tr>
<td>Aluminium/Magnesium inverted dome</td>
<td>-</td>
</tr>
<tr>
<td>Integrated (connectors): 6dB/oct</td>
<td>Integrated: 6dB/oct</td>
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<tr>
<td>Car/Display</td>
<td>Car/Display</td>
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<tr>
<td>4Ω</td>
<td>4Ω</td>
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<tr>
<td>150W</td>
<td>150W</td>
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<tr>
<td>80W RMS</td>
<td>15W RMS</td>
</tr>
<tr>
<td>93.6dB</td>
<td>94dB</td>
</tr>
<tr>
<td>55Hz - 28kHz</td>
<td>4kHz - 21kHz</td>
</tr>
<tr>
<td>Tweeter support Crossovers in line on connectors Supplied without grille</td>
<td>4 possibilities: &quot;Flush&quot;, surface-tilted mounting, in factory location</td>
</tr>
</tbody>
</table>
Your first installation with Focal sound

Comprising 5 coaxial kits, 2 component kits and 2 subwoofers, the Auditor line presents Focal’s full DNA in terms of technology and sound, all within a limited budget.

These audio kits integrate the Focal inverted dome tweeter, one of our stand-out innovations. It offers excellent spatialisation, a very wide soundstage and provides sound quality that is unrivalled at this price point.

Discover new musical sensations with Auditor kits in multiple possible configurations, all along the lines of the flagship kit: the 165 AS, which stands out thanks to its high sensitivity and can be connected directly to a car radio.

The tweeter level can be adjusted between three positions for optimal listening comfort.

The accessories supplied with the tweeter allow multiple mounting options to achieve the best possible sound image!

The gold standard of this line is a world-renowned best-seller.

> Mylar inverted dome tweeter
> Polypropylene cone
> U-shaped surround
<table>
<thead>
<tr>
<th>RCX-100</th>
<th>RCX-130</th>
<th>RCX-165</th>
<th>RCX-570</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type</strong></td>
<td>2-way coaxial kit</td>
<td>2-way coaxial kit</td>
<td>2-way coaxial kit</td>
</tr>
<tr>
<td><strong>Diameter</strong></td>
<td>4&quot; (100mm)</td>
<td>5&quot; (130mm)</td>
<td>6½&quot; (165mm)</td>
</tr>
<tr>
<td><strong>Cone</strong></td>
<td>Polypropylene</td>
<td>Polypropylene</td>
<td>Polypropylene</td>
</tr>
<tr>
<td><strong>Motor</strong></td>
<td>Ferrite</td>
<td>Ferrite</td>
<td>Ferrite</td>
</tr>
<tr>
<td><strong>Mounting depth</strong></td>
<td>1¾&quot; (44.2mm)</td>
<td>2½&quot; (54.5mm)</td>
<td>3½&quot; (86mm)</td>
</tr>
<tr>
<td><strong>Voice coil diameter</strong></td>
<td>1&quot; (25mm)</td>
<td>1&quot; (25mm)</td>
<td>1&quot; (25mm)</td>
</tr>
<tr>
<td><strong>Tweeter</strong></td>
<td>1&quot; Mylar inverted dome</td>
<td>1&quot; Mylar inverted dome</td>
<td>1&quot; Mylar inverted dome</td>
</tr>
<tr>
<td><strong>Crossover</strong></td>
<td>6dB/oct</td>
<td>6dB/oct</td>
<td>6dB/oct</td>
</tr>
<tr>
<td><strong>Impedance</strong></td>
<td>4Ω</td>
<td>4Ω</td>
<td>4Ω</td>
</tr>
<tr>
<td><strong>Max. power</strong></td>
<td>60W</td>
<td>100W</td>
<td>120W</td>
</tr>
<tr>
<td><strong>Nom. power</strong></td>
<td>30W RMS</td>
<td>60W RMS</td>
<td>60W RMS</td>
</tr>
<tr>
<td><strong>Sensitivity (2.83V/1W)</strong></td>
<td>88dB</td>
<td>90dB</td>
<td>91.5dB</td>
</tr>
<tr>
<td><strong>Frequency response</strong></td>
<td>80Hz - 21kHz</td>
<td>65Hz - 21kHz</td>
<td>60Hz - 21kHz</td>
</tr>
<tr>
<td><strong>Suggested load volume</strong></td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Accessories</strong></td>
<td>Supplied with grilles, fastening and screws</td>
<td>Supplied with grilles, fastening and screws</td>
<td>Supplied with grilles, fastening and screws</td>
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<table>
<thead>
<tr>
<th>RCX-690</th>
<th>RSE-130</th>
<th>RSE-165</th>
<th>RSB-250</th>
<th>RSB-300</th>
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<tbody>
<tr>
<td><strong>Type</strong></td>
<td>3-way coaxial elliptic kit</td>
<td>2-way component kit</td>
<td>2-way component kit</td>
<td>Subwoofer</td>
</tr>
<tr>
<td><strong>Diameter</strong></td>
<td>6 x 9&quot; (184 x 260mm)</td>
<td>5&quot; (150mm)</td>
<td>6½&quot; (165mm)</td>
<td>12&quot; (300mm)</td>
</tr>
<tr>
<td><strong>Cone</strong></td>
<td>Polypropylene</td>
<td>Polypropylene</td>
<td>Polypropylene</td>
<td>Polypropylene</td>
</tr>
<tr>
<td><strong>Motor</strong></td>
<td>Ferrite</td>
<td>Ferrite</td>
<td>Ferrite</td>
<td>Ferrite</td>
</tr>
<tr>
<td><strong>Mounting depth</strong></td>
<td>3½&quot; (89.5mm)</td>
<td>2½&quot; (54.5mm)</td>
<td>3½&quot; (86mm)</td>
<td>4½&quot; (87mm)</td>
</tr>
<tr>
<td><strong>Voice coil diameter</strong></td>
<td>1&quot; (25mm)</td>
<td>1&quot; (25mm)</td>
<td>Dual voice coil: 2&quot; (50mm)</td>
<td>Dual voice coil: 2&quot; (50mm)</td>
</tr>
<tr>
<td><strong>Tweeter</strong></td>
<td>1&quot; Mylar inverted dome</td>
<td>1&quot; Mylar inverted dome</td>
<td>1&quot; Mylar inverted dome</td>
<td>-</td>
</tr>
<tr>
<td><strong>Crossover</strong></td>
<td>6dB/oct</td>
<td>Separated pre-wired: 12dB/oct</td>
<td>Separated pre-wired: 12dB/oct</td>
<td>-</td>
</tr>
<tr>
<td><strong>Impedance</strong></td>
<td>4Ω</td>
<td>4Ω</td>
<td>4Ω</td>
<td>2 x 4Ω</td>
</tr>
<tr>
<td><strong>Max. power</strong></td>
<td>100W</td>
<td>120W</td>
<td>500W</td>
<td>600 W</td>
</tr>
<tr>
<td><strong>Nom. power</strong></td>
<td>60W RMS</td>
<td>60W RMS</td>
<td>250W RMS</td>
<td>300W RMS</td>
</tr>
<tr>
<td><strong>Sensitivity (2.83V/1W)</strong></td>
<td>90dB</td>
<td>91.5dB</td>
<td>88dB</td>
<td>90dB</td>
</tr>
<tr>
<td><strong>Frequency response</strong></td>
<td>85Hz - 31Hz</td>
<td>60Hz - 21Hz</td>
<td>35Hz - 500Hz</td>
<td>30Hz - 500Hz</td>
</tr>
<tr>
<td><strong>Suggested load volume</strong></td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Accessories</strong></td>
<td>Supplied with grilles, fastening and screws</td>
<td>Supplied with grilles, fastening and screws</td>
<td>Supplied with grilles, fastening and screws</td>
<td>Supplied with grilles, blinding and screws</td>
</tr>
</tbody>
</table>
FOR A COMPLETE SOLUTION
To combine with and complement your installation, we also provide subwoofers, amplifiers and cables to create a complete audio system.

With our subwoofers, whether passive or active, bass-reflex, ultra flat and/or amplified, you enjoy the full benefit of the power and dynamics of the bass. Easy to install, these Focal subwoofers also feature many settings, so you can always find better listening comfort and finer sound nuances as you travel.

To experience the sensations of a precise but controlled and stable sound in your car, Focal electronics have it all. Create the type of architecture you’re looking for, as compact as you need it to be; the audio processing chain can be optimized with digital signal processing and one or more amplifiers.

Accessories and cables play a key role in your audio architecture. With Hilo.V3, we provide solutions for any amplification scenario so that you can get the best from your system. They also optimize connections between components: the car radio, electronics and acoustics. They guarantee a high-quality, secure installation.

AND ALSO...
4 enclosures, 4 ways of obtaining intense bass and power.

**PSB 200** is compact and easy-to-use, offering stunning performance thanks to the 250W of its subwoofer. **Bomba BP 20** is a bass-reflex box with a moulded vent to reduce air circulation noise. With its integrated Class D amplifier, this 2-in-1 enclosure takes up minimum space while offering a great bass level that is both tight and powerful.

A unique concept of an amplified subwoofer connected to a 2-channel amplifier, the **Ibus 2.1** boosts the bass and adds power to your system. With its integrated amplifier, **Ibus 20** is ready to go. Easy to install, you simply connect the HP outputs from your radio using the ‘Plug & Play’ ISO cable provided.

---

**PSB 200**

- **Type**: Compact passive subwoofer enclosure
- **Woof diameter**: 8” (200mm)
- **Impedance**: 4Ω
- **Max. power**: 250W
- **Nom. power (150W RMS)**
- **Sensitivity (2.83V/1m)**: 83dB
- **Frequency response**: 45Hz - 150Hz
- **Accessories**: Screws, fixation system
- **Dimensions (L x H x W)**: 19¼ x 4½ x 12” (109 x 489 x 304mm)
- **Weight**: 15.7lbs (7kg)

**Bomba BP 20**

- **Type**: Compact active subwoofer enclosure
- **Woof diameter**: 8” (200mm)
- **Sub max. power**: 300W
- **Sub nom. power**: 150W RMS
- **Frequency response**: 20Hz - 125Hz
- **Speaker max. power**: -
- **Speaker nom. power**: -
- **Frequency response**: -
- **Accessories**: Remote & Plug & Play wiring
- **Dimensions (H x L x W)**: 17½ x 9¼ x 12¼” (449 x 239 x 312mm)
- **Weight**: 24.4lbs (11kg)

**Ibus 20**

- **Type**: Active enclosure with subwoofer
- **Woof diameter**: 8” (200mm)
- **Sub max. power**: 150W
- **Sub nom. power**: 75W RMS
- **Frequency response**: 45Hz - 150Hz
- **Speaker max. power**: -
- **Speaker nom. power**: -
- **Frequency response**: -
- **Accessories**: Remote & Plug & Play wiring
- **Dimensions (H x L x W)**: 213/16 x 139/16 x 913/16” (71.5 x 344 x 250mm)
- **Weight**: -

**Ibus 2.1**

- **Type**: Active enclosure with subwoofer
- **Woof diameter**: 8” (200mm)
- **Sub max. power**: 150W
- **Sub nom. power**: 75W RMS
- **Frequency response**: 45Hz - 150Hz
- **Speaker max. power**: -
- **Speaker nom. power**: -
- **Frequency response**: -
- **Accessories**: Remote & Plug & Play wiring
- **Dimensions (H x L x W)**: 213/16 x 139/16 x 913/16” (71.5 x 344 x 250mm)
- **Weight**: -
Thanks to our FPX and FDS amplifier ranges, you’ll immediately find your balance between power, versatility, compactness and audio quality.

### FPX 5.1200
- **Type**: Premium Class D Amplifier - 5 channels
- **CEA Power (4Ω)**: 4 x 75W RMS + 1 x 420W RMS
- **Max. power (2Ω)**: 4 x 120W RMS
- **Max. power (1Ω)**: -
- **Max. power (Stabilized 4Ω)**: 2 x 240W RMS + 720W RMS
- **Crossover**: Configurable High-Pass / Low-Pass: 50Hz - 500Hz
- **Copy mode**: 6CH/4CH/2CH
- **Phase adjustment**: Yes
- **Protection**: Short circuit / Over-current / Reverse polarity / DC / Voltage drop / Heat protection
- **Accessories**: Remote control, screws, fuses, terminal tools
- **Weight**: 9lbs (4.1kg)
- **Dimensions (W x H x D)**: 11 13/16 x 6 1/2 x 2 1/4“ (300 x 175 x 57mm)

### FPX 4.400 SQ
- **Type**: Premium Class AB Amplifier - 4/3/2 channels Sound Quality
- **CEA Power (4Ω)**: 4 x 70W RMS + 1 x 120W RMS
- **Max. power (2Ω)**: 4 x 100W RMS + 1 x 210W RMS
- **Max. power (1Ω)**: -
- **Max. power (Stabilized 4Ω)**: 2 x 200W RMS + 720W RMS
- **Crossover**: Configurable High-Pass / Low-Pass: 50Hz - 500Hz
- **Copy mode**: 4CH/2CH
- **Phase adjustment**: Yes
- **Protection**: Short circuit / Over-current / Reverse polarity / DC / Voltage drop / Heat protection
- **Accessories**: Remote control, screws, fuses, terminal tools
- **Weight**: 8.2lbs (3.7kg)
- **Dimensions (W x H x D)**: 12 3/8 x 6 1/2 x 2 1/4“ (314 x 175 x 57mm)

### FPX 4.800
- **Type**: Premium Class D Amplifier - 4/3/2 channels
- **CEA Power (4Ω)**: 4 x 80W RMS + 1 x 150W RMS
- **Max. power (2Ω)**: 4 x 100W RMS + 1 x 210W RMS
- **Max. power (1Ω)**: -
- **Max. power (Stabilized 4Ω)**: 2 x 200W RMS + 720W RMS
- **Crossover**: Configurable High-Pass / Low-Pass: 50Hz - 500Hz
- **Copy mode**: 4CH/2CH
- **Phase adjustment**: Yes
- **Protection**: Short circuit / Over-current / Reverse polarity / DC / Voltage drop / Heat protection
- **Accessories**: Remote control, screws, fuses, terminal tools
- **Weight**: 4.4lbs (2kg)
- **Dimensions (W x H x D)**: 9 15/16 x 5 15/16 x 2 15/16“ (237 x 132 x 58mm)

### FPX 11000
- **Type**: Premium Class D Amplifier - Mono
- **CEA Power (2Ω)**: 1 x 650W RMS
- **Max. power (1Ω)**: -
- **Max. power (Stabilized 2Ω)**: 2 x 200W RMS
- **Crossover**: Configurable High-Pass / Low-Pass: 50Hz - 500Hz
- **Copy mode**: 6CH/4CH/2CH
- **Phase adjustment**: Yes
- **Protection**: Short circuit / Over-current / Reverse polarity / DC / Voltage drop / Heat protection
- **Accessories**: Remote control, screws, fuses, terminal tools
- **Weight**: 4.4lbs (2kg)
- **Dimensions (W x H x D)**: 11 13/16 x 5 15/16 x 2 15/16“ (297 x 132 x 58mm)

### FDS 4.350
- **Type**: Class D Amplifier - 4/3/2 channels
- **CEA Power (4Ω)**: 4 x 58W RMS + 1 x 110W RMS
- **Max. power (2Ω)**: 4 x 95W RMS + 1 x 210W RMS
- **Max. power (1Ω)**: -
- **Max. power (Stabilized 4Ω)**: 2 x 200W RMS + 720W RMS
- **Crossover**: Configurable Low-Pass: 50Hz - 250Hz
- **Copy mode**: 6CH/4CH/2CH
- **Phase adjustment**: Yes
- **Protection**: Short circuit / Over-current / Reverse polarity / DC / Voltage drop / Heat protection
- **Accessories**: Remote control, screws, fuses, terminal tools
- **Weight**: 1.9lbs (850g)
- **Dimensions (W x H x D)**: 7 13/16 x 4 1/4 x 1 11/16“ (199 x 108 x 43mm)

### FDS 1.350
- **Type**: Class D Amplifier - Mono
- **CEA Power (4Ω)**: 1 x 55W RMS
- **Max. power (2Ω)**: 1 x 110W RMS
- **Max. power (1Ω)**: -
- **Max. power (Stabilized 4Ω)**: 2 x 200W RMS + 720W RMS
- **Crossover**: Configurable Low-Pass: 50Hz - 250Hz
- **Copy mode**: 4CH/2CH
- **Phase adjustment**: Yes
- **Protection**: Short circuit / Over-current / Reverse polarity / DC / Voltage drop / Heat protection
- **Accessories**: Remote control, screws, fuses, terminal tools
- **Weight**: 1.9lbs (850g)
- **Dimensions (W x H x D)**: 7 13/16 x 4 1/4 x 1 11/16“ (199 x 108 x 43mm)

### AP-4340
- **Type**: Class AB Amplifier 4/3/2 channels
- **CEA Power (4Ω)**: 4 x 70W RMS + 1 x 170W RMS
- **Max. power (2Ω)**: 4 x 100W RMS + 1 x 220W RMS
- **Max. power (1Ω)**: -
- **Max. power (Stabilized 4Ω)**: 2 x 200W RMS + 720W RMS
- **Crossover**: Configurable Low-Pass: 50Hz - 250Hz
- **Copy mode**: 6CH/4CH/2CH
- **Phase adjustment**: Yes
- **Protection**: Short circuit / Over-current / Reverse polarity / DC / Voltage drop / Heat protection
- **Accessories**: Remote control, screws, terminal tools
- **Weight**: 5.6lbs (2.55kg)
- **Dimensions (W x H x D)**: 13 3/8 x 2 x 9 1/4“ (340 x 50 x 235mm)
**Manager Focal FSP-8 software**

- **Type**: 8-channel sound processor
- **Inputs**
  - Selectable high/low-level inputs for compatibility with factory or after-market head units
  - High-resolution digital input (24 bits/192kHz)
- **Max output (with 10 kΩ)**: 3.4 V
- **Frequency response**
  - Digital crossover OFF: -3 dB: 5Hz-21kHz
- **Signal/Noise ratio**
  - Analog input: -90dBA
  - Optical: -99dBA
- **Distortion**
  - @ 1kHz (with 22kHz Low-Pass filter): 0.02%

**FSP-8 remote control**

- Enables you to control the main functionalities of the FSP-8:
  - Adjust overall gain, subwoofer volume, and input selection
- Remote control with LED screen
- Knob: 50mm (1.97in) Ø (187x187mm)

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**IMPULSE 4.320**

- **Type**: Class D ultra-compact Amplifier - 4/3/2 channels
- **CEA power (4Ω)**: 4 x 55W RMS
- **Max. power (4Ω bridged)**: 2 x 160W RMS
- **Crossovers**
  - Activable/deactivable
  - Fixed at 75Hz on channels 1/2
  - Configurable from 40Hz-200Hz on channels 3/4
- **Copy Mode**
  - 4 CH/2CH
- **Setting**
  - Adjustable Phase 0°/180° on channels 3/4
- **Protection**
  - Short circuit / Over-current / Reverse polarity / DC / Voltage drop / Heat protection
- **Weight**: 1.2lbs (550g)
- **Dimensions** (L x H x W): 2.5x1.8x0.7in (64x46x17.5mm)

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**HILO V3**

- **Type**: High-level to RCA line stereo converter
- **Function**: Converts a stereo amplified signal in two low-level line outputs for an amplifier
- **DC and AC detection modes**
- **Automatic remote output**
- **Speaker simulation network**
  - to avoid head-unit muting.
- **Bandwidth (±dB)**: 100Hz - 10kHz
- **Signal/Noise ratio**: 100dB
- **Distortion**: < 0.01%
**CABLES & ACCESSORIES**

**CABLES**

- **ER1**: RCA cable, 1 x 1m (3.3ft)
- **ER3**: RCA cable, 1 x 3m (9.9ft)
- **ER5**: RCA cable, 1 x 5m (16.4ft)
- **EY05**: RCA cable, 2 x 0.5m (2 x 1.64ft)
- **PS15**: Flat speaker cable, 15 AWG/1.5mm², 2 x 90° bent plugs, for difficult locations, 39ft x 15 AWG
- **PS25**: Flat speaker cable, 13 AWG/2.5mm², 2 x 90° bent plugs, for difficult locations, 39ft x 13 AWG
- **PR5**: RCA cable, 11 AWG/4mm², 2 x 90° bent plugs and 2 straight plugs, 39ft x 11 AWG
- **PK21**: Complete supply kit (Amplifier-speakers), 21AWG, 16.4ft (5m) remote cable, 16.4ft (5m) RCA cable, 16.4ft (5m) speaker cable, 16.4ft (5m) ground cable, 16.4ft (5m) RCA cable, male/female plugs, 3.3ft (1m) remote cable, 3.3ft (1m) RCA cable, 3.3ft (1m) speaker cable, 3.3ft (1m) ground cable, accessory pack
- **PK8**: Complete supply kit (Amplifier-speakers), 8 AWG, 16.4ft (5m) supply cable (8.3mm²), 3.3ft (1m) ground cable (8.3mm²), 3.3ft (1m) remote cable, 3.3ft (1m) RCA cable, 3.3ft (1m) speaker cable, accessory pack
- **PS15**: Flat speaker cable, 15 AWG/1.5mm², 2 x 90° bent plugs and 2 straight plugs, 39ft x 15 AWG
- **PS25**: Flat speaker cable, 13 AWG/2.5mm², 2 x 90° bent plugs and 2 straight plugs, 39ft x 13 AWG

**ACCESSORIES**

- **ES15**: Flat speaker cable, 1 roll: 15 AWG, 39ft x 1.5mm²
- **ES25**: Flat speaker cable, 1 roll: 13 AWG, 39ft x 2.5mm²
- **ES4**: Flat speaker cable, 1 roll: 11 AWG, 39ft x 4mm²
- **B.A.M. XXXL**: 1 roll of 90° x 236°F (50 x 600cm) (36")
- **B.A.M. XL**: 1 sheet 1911/16"x783/4" (50x200cm) (1m²)
- **B.A.M.**: 3 technical materials, 3 strategic functions
- **Tool Set**: 11 composite tools to remove door panel, car cup holders, and other exterior installations without risk of aesthetic damage.

**3D**

- **B.A.M.**: This acoustic insulation kit is completing and essential to a quality car audio installation. From its use depends optimum acoustic rendering of speakers, amplifiers and installed accessories. Technical materials made of honeycombed damping material, an aluminum sheet and a viscoelastic complex (Butyl).
Focal Inside is an offer for all drivers who want access to quality, custom Plug & Play solutions that are perfectly suited to their vehicle. From the simplest kit to the most complete amplified system, the Focal Inside offer is quick and easy to install in place of the original system, without modifying the environment.

Our offer covers more than 20 car manufacturers and is compatible with over 200 vehicles. To guide you in your choice of audio system, we have developed a dedicated website. By selecting your vehicle model and desired level of customisation, you can build your sound experience and configure the solution best suited to your requirements, in just a few clicks.

Check your vehicle compatibility on: www.focal-inside.com
For more information about Focal Inside, refer to the Focal Inside catalog.