Focal has been a leader in the international high-end audio industry since 1979. Today, thanks to more than 35 years of expertise in designing and manufacturing speaker drivers, the brand’s innovation, its know-how made in France and its authentic high-fidelity sound are reputed worldwide.

Created in 1990, the Car Audio department enabled Focal to provide car and music enthusiasts with hi-fi sound: the perfect combination of driving pleasure with the joys of audiophile sound.

For us, innovation means pushing back the limits of the impossible. This is why we constantly strive to create products with the car interior in mind and to expand our offer accordingly.

We owe our success to our experienced engineers who enable our product ranges to evolve in order to meet consumers’ needs, and most of all to meet the desires of the thousands of Focal fans throughout the world.

Focal products are organised into three categories:

- **Elite:** on-board audio perfection - get the highest musical quality for your car thanks to those customised installations capable of exceptional performances.
- **Performance:** gives powerful and demonstrative sound through a sound system which reflects who you are.
- **Integration:** a simple way to improve your vehicle’s acoustics without altering the original in-car system.

Each category is designed for different uses and ways of listening to music. Whether it’s a customised Elite installation or a “plug and play” kit from our Integration line, the quality of manufacturing and the care for a refined finish are just as important.

Regardless of your preference, we have one goal: to unite you around a common passion for rich and authentic sound. Innovation, tradition, performance and pleasure are our key values; they characterise “the Spirit of Sound”.

For over 35 years, Focal has been developing and manufacturing loudspeakers for the home, speaker drivers for the car, monitor speakers for recording studios and more recently headphones. Market leader in high-fidelity, Focal’s worldwide reputation is well known: our brand is recognised everywhere for its sound quality and its numerous technological innovations.

The Spirit of Sound
Is your car a gem bespoke to you? Is ultimate sound quality never far from your thoughts?

If so, then Elite is for you: The Focal name is synonymous with unique, “hand-made” equipment to help you achieve the absolute performance from your music. Based on rare, precious metals, this range uses the very latest technologies, strong in the heritage of the Grande Utopia EM, currently considered as one of the best loudspeakers in the world. Made in France, these dream products, available in Utopia Be and K2 Power ranges, are the natural choice for bespoke installations implemented exclusively for you by our expert installers.

Utopia Be and K2 power technologies

Utopia Be and K2 Power are two product lines oriented towards ultra-high-technologies, and are the result of an extraordinary human adventure to achieve optimum sound reproduction.

Our refusal of all concessions has enabled us to push back the limits by developing cones made with composite materials, such as the aramid-fibre cones of the K2 Power line, the “W” sandwich cone, or even cones made with ultimate materials such as beryllium, the jewel of the Elite range. These major innovations developed for the speaker drivers of the Grande Utopia enable an extended bandwidth up to 40kHz and unrivalled neutrality of the midrange.

The design of our “W” composite sandwich cones is a wise compromise between ingenuity, manual precision and acoustic expertise. By combining a structural foam core between two layers of composite fibres, we are able to give you the best of Focal know-how. Thus, we can guarantee total control over the rigidity, weight and damping of the speaker drivers used for the K2 Power and Utopia Be lines, which is essential for providing neutrality, faithful reproduction and high performances.
Utopia Be

No limit for Passion!

A Unique sensation in the world, experience the Grande UTOPIA in your car.

ULTIMA is a full active car audio kit designed and inspired by all the best drivers used in our high-end loudspeakers.

A real midbass developed from the “Grande Utopia EM” midrange associated with its tweeter with IAL2 technology to drive a 2-way front component kit.

To be sure to have the best flat and neutral frequency response we associated two 8” subwoofers designed for our professional monitoring system SM9.

With a high air decompression from the Power Flower woofer, the distortion is reduced to the minimum and offers high dynamic.

Incredible materials and all the best Focal knowledge used on this kit are not the only highlights... more than a “product” it’s a real complete full active hi-fi system... handmade in France passionately for car and music lovers.

Detailed soundstages, instrument separation, relief, precision like you’ve never heard before.

Detailed soundstages, instrument separation, relief, precision like you’ve never heard before.

Detailed soundstages, instrument separation, relief, precision like you’ve never heard before.

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Detailed soundstages, instrument separation, relief, precision like you’ve never heard before.

TW Ultima

- Diameter: 2½'' (70mm)
- Cone Technology: Pure Beryllium inverted dome
- Magnet: Neodynium (120mm)
- Max. power: 150W RMS
- Nom. power: 50W RMS
- Sensitivity (2.83V/1m): 93dB
- Impedance: 6 Ohms
- Frequency Response: 500Hz to 40kHz

Suggested load volume: 0.01 cu ft (0.3L) in sealed enclosure

6 W Ultima

- Diameter: 6½'' (165mm)
- Cone Technology: Composite “W” sandwich cone
- Voice coil diameter: 1 9/16'' (40mm)
- Magnet: Power Flower multi ferrite
- Max. power: 400W
- Nom. power: 240W RMS
- Sensitivity (2.83V/1m): 90.5dB
- Impedance: 4 Ohms
- Frequency Response: 60Hz to 4.5kHz

Accessory: Aluminium engraved ring

Suggested load volume: 1 cu ft (30L) in sealed enclosure

8 W Ultima

- Diameter: 8'' (200mm)
- Cone Technology: Composite “W” sandwich cone
- Voice coil: 1 15/16'' (50mm)
- Magnet: Dual ferrite
- Max. power: 600W
- Nom. power: 300W RMS
- Sensitivity (2.83V/1m): 90.2dB
- Impedance: 6 Ohms
- Frequency Response: 40Hz to 120Hz

Suggested load volume for 1 subwoofer: 0.79 cu ft (22.5L) in ported enclosure

Port size suggested: 6 11/16'' x Ø 2 3/8'' – (17cm x Ø 6cm)
2 and 3-way component kits

Kit n°5
- 2-way component kit
- Diameter: 5" (130mm)
- Composite sandwich cone: "W"
- Voice-coil: 1" (25mm)
- Magnet: Neodymium
- Pure Beryllium inverted dome tweeter
- Crossblock: 4480 filtering settings available, 2-way 12/12dB/oct
- Max. power: 150 W
- Nom. power: 75 WRMS
- Sensitivity (2.83V/1m): 89.5 dB
- Frequency response: 75Hz-40kHz
- Accessories: Supplied grilles

Kit n°6
- 2-way component kit
- Diameter: 6" 1/2" (165mm)
- Composite sandwich cone: "W"
- Voice-coil: 1 9/16" (40mm)
- Magnet: Neodymium
- Pure Beryllium inverted dome tweeter
- Crossblock: 4480 filtering settings available, 2-way 12/12dB/oct
- Max. power: 200 W
- Nom. power: 100 WRMS
- Sensitivity (2.83V/1m): 89dB
- Frequency response: 55Hz-40kHz
- Accessories: Supplied grilles

Mid box
Mid box designed to install the 3W2 and TBe in the windshield upright. Supplies without woofer.

Kit n°7
- 2-way component kit
- Diameter: 6" 1/2" (165mm)
- Composite sandwich cone: "W"
- Voice-coil: 19/16" (40mm)
- Magnet: Neodymium
- Pure Beryllium inverted dome TBe tweeter
- Crossblock: 4480 filtering settings available, 2-way 12/12dB/oct
- Max. power: 200 W
- Nom. power: 100 WRMS
- Sensitivity (2.83V/1m): 91.5dB
- Frequency response: 66Hz-40kHz
- Accessories: Supplied grilles

Utopia Be

165 W-RC Passive version
- 2-way component kit
- Diameter: 6" 1/2" (165mm)
- Composite sandwich cone: "W"
- Pure Beryllium inverted dome TBe tweeter
- Crossblock: 4480 filtering settings available, 2-way 12/12dB/oct
- Max. power: 160 W
- Nom. power: 80 WRMS
- Sensitivity (2.83V/1m): 93dB
- Frequency response: 60Hz-30kHz
- Accessories: Supplied grilles

165 W-RC Active version
- 2-way component kit
- Diameter: 6" 1/2" (165mm)
- Composite sandwich cone: "W"
- Pure Beryllium inverted dome TBe tweeter
- Crossblock: 4480 filtering settings available, 2-way 12/12dB/oct
- Max. power: 160 W
- Nom. power: 80 WRMS
- Sensitivity (2.83V/1m): 93dB
- Frequency response: 60Hz-30kHz
- Accessories: Supplied grilles

Subwoofers

13 WS
- 21 WX
- 33 WX
Focal Power Symmetric

**FPS 4160**
- Power amplifier: 4-channel
- 2Ω compatible (stereo)
- All CLASS A
- CEA power into 4Ω: 4x120 W RMS
- Power into 2Ω: 4x200 W RMS
- Power into bridged mode into 4Ω: 2x380 W RMS
- Adjustable high-pass, low-pass and bandpass crossovers: 25 Hz - 25 kHz
- Frequency response: 10 Hz - 52 kHz
- Remote control supplied
- Direct mode
- High-Cap not supplied

**FPS 2300 RX**
- Power amplifier: 2-channel
- 2Ω compatible (stereo)
- All CLASS B
- CEA power into 2Ω: 2x105 W RMS
- Power into 2Ω: 2x180 W RMS
- Power into bridged mode into 2Ω: 1x360 W RMS
- Adjustable high-pass, low-pass and bandpass crossovers: 50 Hz - 5 kHz
- Frequency response: 10 Hz - 25 kHz
- Remote control supplied
- Direct mode
- Not compatible with High-Cap

**FPS 2160**
- Power amplifier: 2-channel
- 2Ω compatible (stereo)
- All CLASS A
- CEA power into 2Ω: 2x105 W RMS
- Power into 2Ω: 2x180 W RMS
- Power into bridged mode into 2Ω: 1x360 W RMS
- Adjustable high-pass, low-pass and bandpass crossovers: 50 Hz - 5 kHz
- Frequency response: 10 Hz - 25 kHz
- Remote control supplied
- Direct mode
- High-Cap not supplied

**FPS 1500**
- Power amplifier: Monochannel
- 1Ω compatible
- All CLASS A
- CEA power into 1Ω: 1x325 W RMS
- Power into 2Ω: 1x550 W RMS
- Power into 1Ω: 1x800 W RMS
- Adjustable low-pass crossover: 50 Hz - 500 Hz
- Subsonic crossover: 20 Hz - 50 Hz
- Adjustable phase: 0° to 180°
- Frequency response: 10 Hz - 25 kHz
- Remote control supplied
- Direct mode
- Not compatible with High-Cap

**High-Cap**
- Amplifier external module, power supply booster
- Increases the power supply regulation capacity of the amplifier
- Only compatible with the FPS amplifiers (except for FPS 3000)

**Elite**

**EK35**
- Soft touch high flexibility power supply cable: 5.20m (17Ft) diameter 4AWG
- High-Cap: not supplied
- Gold plated, power supply cable and mounted with 200A fuse
- Ground cable: 3.70m (12Ft)
- RCA cable (ER5): 1m (3Ft)
- Accessory pack

**EK21**
- Soft touch high flexibility power supply cable: 5.20m (17Ft) / 1862 strands
- High-Cap: not supplied
- Gold plated, power supply cable and mounted with 150A fuse
- Ground cable: 3.70m (12Ft)
- RCA cable (ER5): 1m (3Ft)
- Accessory pack

**Cables**

**ES15**
- Tinned Copper: 1.25mm²
- 29 x 15AWG

**ES4**
- Tinned Copper: 1.25mm²
- 29 x 11AWG

**ES25**
- Tinned Copper: 4.0mm²
- 29 x 11AWG

**ES25**
- High performance cables for speakers
- 100% Oxygen Free Copper (OFC) conductor

**EK21**
- Two “ready to play” kits for the installation of the ELITE “FPS” power amplifier range
- Power supply cables and RCA extension with “High Flexible PVC Soft Touch” technology 100% Oxygen Free Copper (OFC) conductor

**ER1**
- Tinned RCA Cable 3.0m

**ER5**
- Tinned RCA Cable 0.5m

**ER3**
- Tinned RCA Cable 1.0m

**ER5**
- Tinned RCA Cable 2.5m

**ER5**
- Tinned RCA Cable 3.0m

Stereo, high-performance RCA cables for amplifiers. Insulator “Flexible PVC Soft Touch”
100% Oxygen Free Copper (OFC) conductor
Tripel shielding (reduction of external interference).
<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Frequency response</th>
<th>Nom. power</th>
<th>Max. power</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 KRS</td>
<td>4-way component kit</td>
<td>30Hz-20kHz</td>
<td>2x2Ω</td>
<td>300WRMS</td>
<td>Supplied grilles</td>
</tr>
<tr>
<td>130 KRC</td>
<td>2-way coaxial 6.5&quot;</td>
<td>100KHz</td>
<td>4Ω</td>
<td>120W</td>
<td>Supplied grilles</td>
</tr>
<tr>
<td>130 KR</td>
<td>2-way component kit</td>
<td>400Hz-20kHz</td>
<td>2x2Ω</td>
<td>300WRMS</td>
<td>Supplied grilles</td>
</tr>
<tr>
<td>165 KRC</td>
<td>2-way coaxial 7&quot;</td>
<td>400Hz-20kHz</td>
<td>4Ω</td>
<td>600W</td>
<td>Supplied grilles</td>
</tr>
<tr>
<td>165 KR2</td>
<td>2-way component kit</td>
<td>180Hz-20kHz</td>
<td>2x2Ω</td>
<td>1000WRMS</td>
<td>Supplied grilles</td>
</tr>
<tr>
<td>27 KX</td>
<td>2-way component kit</td>
<td>20Hz-20kHz</td>
<td>2x2Ω</td>
<td>200W</td>
<td>Supplied grilles</td>
</tr>
<tr>
<td>33 KX</td>
<td>3-way component kit</td>
<td>20Hz-20kHz</td>
<td>2x2Ω</td>
<td>200W</td>
<td>Supplied grilles</td>
</tr>
<tr>
<td>40 KX</td>
<td>3-way component kit</td>
<td>20Hz-20kHz</td>
<td>2x2Ω</td>
<td>200W</td>
<td>Supplied grilles</td>
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<tr>
<td>46 KX 4</td>
<td>4-way component kit</td>
<td>20Hz-20kHz</td>
<td>2x2Ω</td>
<td>200W</td>
<td>Supplied grilles</td>
</tr>
</tbody>
</table>
Performance

Are you passionate about your beautiful powerful car? Do you want to create a sound system that reflects who you are?

The Performance range, innovative and dynamic, delivers sound to make your spine tingle. Ultra-technical and assertively designed, Performance was conceived to bring extreme sensations. If the traditional Access line marks the entry-point to this technology universe, you can push the limits of your creativity to their very peaks with the Expert range. The young generation will also find with the Auditor line the Focal sound expertise at a very affordable budget. Power and fidelity work hand in hand: “live” sound in all its dimensions for the most demanding audiophile.

Flax® Technology

Over the last 5 years, there have been many innovations regarding the materials used. The return to natural materials and their combination with modern composites has resulted in the creation of new kinds of modern hybrids.

The “Sandwich” technology which we master perfectly with the K2 and “W” cones is the best way to achieve a perfect balance between rigidity/weight/damping.

The key to success for a speaker cone made by Focal lies in the satisfaction of these conflicting criteria.

When it came down to the delicate choice regarding the design of the core of the sandwich structure, our engineers were soon impressed by the characteristics particular to flax, and after five years of research, the Flax sandwich cone was born. The use of an ecological textile such as flax, combined with our composite technology has led to an innovative solution for manufacturing sandwich structures: very high-quality flax fibres between two sheets of glass fibres. French flax is considered the best in the world, and another important detail is that the manufacturing process can be mechanised and automated.

The high-end products of our Expert line are the result of our constant efforts to differentiate ourselves and our goal to provide ultimate acoustic reproduction. Featuring four new Performance kits, the “F” series prefigures radical changes in terms of design, innovation and sound while still respecting the demands for a product made in France.

Patent pending n°1350116
Flax® Technology
Expert

**PC 710**
- 3-way coaxial kit
- Diameter: 7½” (191mm)
- Mounting depth: 22/32” (49mm)
- Voice-coil diameter: 7/8” (22mm)
- Voice-coil height: 0½” (12mm)
- Ferrite magnet: 1” (26mm)
- Max. power: 400 W
- Nom. power: 200 WRMS
- Sensitivity (2.83V/1m): 85dB
- Frequency response: 100Hz-20kHz

**SB P 25**
- Diameter: 10” (250mm)
- Dimensions (HxWxD): 15⅞x12⅛x14¼” (390x330x377mm)
- Voice-coil diameter: 2” (50mm)
- Voice-coil height: 1⅛” (26mm)
- Magnet: 5⅛” (145mm)
- Max. power: 500 W
- Nom. power: 250 WRMS
- Sensitivity (2.83V/1m): 90.2dB
- Frequency response: 42Hz-500Hz
- Impedance: 4Ω

**SB P 30**
- Diameter: 12” (300mm)
- Dimensions (HxWxD): 17⅞x15⅞x18⅞” (440x400x460mm)
- Voice-coil diameter: 2” (50mm)
- Voice-coil height: 1⅛” (26mm)
- Magnet: 5⅛” (145mm)
- Max. power: 600 W
- Nom. power: 300 WRMS
- Sensitivity (2.83V/1m): 90.8dB
- Frequency response: 40Hz-500Hz
- Impedance: 4Ω

**P21 V2**
- Diameter: 10” (250mm)
- For sealed enclosures from 12 to 20 liters (0.42 to 0.71 Ft³)
- Dual voice-coil: 1” (25mm), 4Ω
- Max. power: 500 W
- Nom. power: 250 WRMS
- Sensitivity (2.83V/1m): 90.9dB
- Frequency response: 42Hz-500Hz

**P27 V2**
- Diameter: 11” (270mm)
- For sealed enclosures from 15 to 30 liters (0.53 to 1.06 Ft³)
- Dual voice-coil: 2½” (65mm), 2x4Ω
- Double ferrite magnet: 6⅞” (172mm)
- Max. power: 600 W
- Nom. power: 300 WRMS
- Sensitivity (2.83V/1m): 90.8dB
- Frequency response: 40Hz-500Hz

**P33 V2**
- Diameter: 13” (330mm)
- For sealed enclosures from 25 to 50 liters (0.88 to 1.77 Ft³)
- Dual voice-coil: 2½” (65mm), 2x4Ω
- Double ferrite magnet: 6⅞” (172mm)
- Max. power: 800 W
- Nom. power: 400 WRMS
- Sensitivity (2.83V/1m): 90dB
- Frequency response: 40Hz-500Hz

**Sub P 25 DB**
- Diameter: 10” (250mm)
- Dual voice-coil: 1½” (38mm)
- Max. power: 500 W
- Nom. power: 250 WRMS
- Sensitivity (2.83V/1m): 93.4dB
- Frequency response: 27Hz-500Hz
- Impedance: 4Ω

**Sub P 30 DB**
- Diameter: 12” (300mm)
- Dual voice-coil: 2½” (60mm)
- Max. power: 600 W
- Nom. power: 300 WRMS
- Sensitivity (2.83V/1m): 93.4dB
- Frequency response: 27Hz-500Hz
- Impedance: 4Ω
Thanks to many innovative solutions, highest audio performances and compactness are now living together. DSA 500 RT is a real powerful 2.1 digital system including:

- Digital Signal Processor offering large tuning possibilities through “FOCAL MANAGER RT” graphic user interface.
- 3 channels compact D class amplifier (2x65 WRMS + 1x165 WRMS) pushing away power limits and listening comfort.
- Active bandpass long stroke subwoofer.

Thanks to “FOCAL MANAGER RT”, anybody can share or download the most appropriate preset, beginners can meet experienced users through a dedicated webservice.
### 2 and 3-way component kits

**Access 130 AS**
- 2-way component kit
- Speaker: 6 ½" (165mm)
- Mounting depth: 2" (50mm)
- Voice coil diameter: 0.8" (20mm)
- Voice coil height: 0.75" (19mm)
- Magnet: 1 ¼" (32mm)
- Tweeter: Aluminium tweeter dome
- Frequency response: 80 Hz - 120 Hz
- Max. power: 250 WRMS
- Nom. power: 120 W
- Integrated crossover: 60 Hz referral
- Supplied grilles: 1 ½ (38mm)
- Accessories: Grille pins

**Access 165 AS**
- 2-way component kit
- Speaker: 5 ½" (140mm)
- Mounting depth: 2" (50mm)
- Voice coil diameter: 0.8" (20mm)
- Voice coil height: 0.75" (19mm)
- Magnet: 1 ¼" (32mm)
- Tweeter: Aluminium tweeter dome
- Frequency response: 80 Hz - 120 Hz
- Max. power: 250 WRMS
- Nom. power: 120 W
- Integrated crossover: 60 Hz referral
- Supplied grilles: 1 ½ (38mm)
- Accessories: Grille pins

**Access 165 AS3**
- 2-way component kit
- Speaker: 5 ½" (140mm)
- Mounting depth: 2" (50mm)
- Voice coil diameter: 1 ¼" (32mm)
- Voice coil height: 0.75" (19mm)
- Magnet: 1 ¼" (32mm)
- Tweeter: Aluminium tweeter dome
- Frequency response: 80 Hz - 120 Hz
- Max. power: 250 WRMS
- Nom. power: 120 W
- Integrated crossover: 60 Hz referral
- Supplied grilles: 1 ½ (38mm)
- Accessories: Grille pins

**Access 100 AC**
- 2-way coaxial kit
- Diameter: 5 ½" (140mm)
- Mounting depth: 2" (50mm)
- Voice coil diameter: 0.8" (20mm)
- Voice coil height: 0.75" (19mm)
- Magnet: 1 ¼" (32mm)
- Tweeter: Aluminium tweeter dome
- Frequency response: 80 Hz - 120 Hz
- Max. power: 250 WRMS
- Nom. power: 120 W
- Integrated crossover: 60 Hz referral
- Supplied grilles: 1 ½ (38mm)
- Accessories: Grille pins

**Access 130 AC**
- 2-way coaxial kit
- Diameter: 5 ½" (140mm)
- Mounting depth: 2" (50mm)
- Voice coil diameter: 0.8" (20mm)
- Voice coil height: 0.75" (19mm)
- Magnet: 1 ¼" (32mm)
- Tweeter: Aluminium tweeter dome
- Frequency response: 80 Hz - 120 Hz
- Max. power: 250 WRMS
- Nom. power: 120 W
- Integrated crossover: 60 Hz referral
- Supplied grilles: 1 ½ (38mm)
- Accessories: Grille pins

### 3-way component kits

**BOMBA BP20**
- Compact active subwoofer enclosure
- D-class amplifier
- High and low level audio input (oem and after market head units compatibility)
- Bandpass technology
- Frequency response: 45 Hz - 500 Hz
- Max. power: 500 W
- Nom. power: 250 WRMS
- Integrated crossover: 60 Hz referral
- Accessories: Grille pins

**Sub 25A4**
- 2-way coaxial kit
- Speaker: 2 ½" (65mm)
- Mounting depth: 2 ½" (65mm)
- Voice coil diameter: 0.8" (20mm)
- Voice coil height: 0.75" (19mm)
- Magnet: 1 ¼" (32mm)
- Tweeter: Aluminium tweeter dome
- Frequency response: 30 Hz - 150 Hz
- Max. power: 120 W
- Nom. power: 60 W
- Separate grilles: 0.20 (5mm)
- Accessories: 1 ½ (38mm)

**Sub 30A4**
- 3-way coaxial kit
- Speaker: 3 ½" (85mm)
- Mounting depth: 3 ½" (85mm)
- Voice coil diameter: 1 ¼" (32mm)
- Voice coil height: 0.75" (19mm)
- Magnet: 1 ½" (38mm)
- Tweeter: Aluminium tweeter dome
- Frequency response: 30 Hz - 150 Hz
- Max. power: 120 W
- Nom. power: 60 W
- Separate grilles: 0.20 (5mm)
- Accessories: 1 ½ (38mm)
**R-100C**
- 2-way coaxial kit
- Diameter: 4" (100mm)
- Mounting depth: 2" (50mm)
- Voice-coil diameter: 1.25" (32mm)
- Voice-coil height: 8.5" (215mm)
- Magnet: 2.83 oz (80g)
- Mylar tweeter
- Polypropylene cone
- Nominal power: 30W RMS
- Max. power: 60W RMS
- Frequency response: 80Hz - 20kHz
- Accessories: Supplied grilles

**R-130C**
- 2-way coaxial kit
- Diameter: 5" (125mm)
- Mounting depth: 2.75" (70mm)
- Voice-coil diameter: 1.5" (38mm)
- Voice-coil height: 11" (280mm)
- Magnet: 2.83 oz (80g)
- Mylar tweeter
- Polypropylene cone
- Nominal power: 50W RMS
- Max. power: 100W RMS
- Frequency response: 65Hz - 20kHz
- Accessories: Supplied grilles

**R-165C**
- 2-way coaxial kit
- Diameter: 6" (150mm)
- Mounting depth: 3.5" (88mm)
- Voice-coil diameter: 2" (50mm)
- Voice-coil height: 11" (280mm)
- Magnet: 2.83 oz (80g)
- Mylar tweeter
- Polypropylene cone
- Nominal power: 120W RMS
- Max. power: 240W RMS
- Frequency response: 60Hz - 20kHz
- Accessories: Supplied grilles

**R-570C**
- 2-way coaxial kit
- Woofer: 5.5" (140mm)
- Mounting depth: 2.37" (60mm)
- Voice-coil diameter: 1.5" (38mm)
- Voice-coil height: 9" (228mm)
- Magnet: 2.83 oz (80g)
- Mylar tweeter
- Polypropylene cone
- Nominal power: 30W RMS
- Max. power: 60W RMS
- Frequency response: 80Hz - 20kHz
- Accessories: Supplied grilles

**R-690C**
- 3-way coaxial kit
- Woofer: 6.5" (164mm)
- Mounting depth: 3.5" (88mm)
- Voice-coil diameter: 2.5" (63mm)
- Voice-coil height: 11" (280mm)
- Magnet: 2.83 oz (80g)
- Mylar tweeter
- Polypropylene cone
- Nominal power: 50W RMS
- Max. power: 100W RMS
- Frequency response: 35Hz - 20kHz
- Accessories: Supplied grilles

**R-130S2**
- 2-way component kit
- Diameter: 5" (125mm)
- Mounting depth: 2.75" (70mm)
- Voice-coil diameter: 1.5" (38mm)
- Voice-coil height: 11" (280mm)
- Magnet: 2.83 oz (80g)
- Silk/Aluminum Tweeter
- Polypropylene cone
- Nominal power: 100W RMS
- Max. power: 200W RMS
- Frequency response: 65Hz - 20kHz
- Accessories: Supplied grilles

**R-250S**
- Subwoofer
- Diameter: 10" (250mm)
- Single Voice-coil: 4" (100mm)
- Voice-coil diameter: 2.5" (63mm)
- Voice-coil height: 11" (280mm)
- Magnet: 1.25 lb (560g)
- Polypropylene cone
- Nominal power: 120W RMS
- Max. power: 240W RMS
- Frequency response: 10Hz - 30kHz
- Dimensions: (LxHxl): 13" (335mm) x 9" (230mm) x 9" (230mm)

**R-300S**
- Subwoofer
- Diameter: 12" (300mm)
- Single Voice-coil: 6" (150mm)
- Voice-coil diameter: 3" (76mm)
- Voice-coil height: 11" (280mm)
- Magnet: 1.5 lb (680g)
- Polypropylene cone
- Nominal power: 300W RMS
- Max. power: 600W RMS
- Frequency response: 10Hz - 30kHz
- Dimensions: (LxHxl): 16" (400mm) x 13" (330mm) x 13" (330mm)

**R-4280**
- 24-channel A/B class amplifier
- RCA input
- CEA Power: 140x4/30x4 (2Ω) / 75x6/35x6 (4Ω)
- Max. power: 2100W RMS
- Max. power 3rd octave: 350W (2Ω) / 150W (4Ω)
- High pass crossover: 125Hz 1.2db - 2k 12db
- High pass crossover: 125Hz 1.2db - 4k 3db
- Low pass crossover: 50-250Hz
- Full range mode
- Frequency response: 50Hz - 20kHz
- Dimensions: (LxHxl): 19" (480mm) x 13" (340mm) x 13" (340mm)
PK21 4AWG Complete supply kit
- 16Ft (4.9m) supply cable (21mm²)
- 3.3Ft (1m) ground cable (21mm²)
- 32.8Ft (10m) speaker cable
- 16.4Ft (5m) remote cable
- 16.4Ft (5m) RCA cable
- 2x90° bent plugs and 2 straight plugs
- 80A fuse-box
- Accessory pack

PK8 8AWG Complete supply kit
- 16Ft (4.9m) supply cable (8.3mm²)
- 3.3Ft (1m) ground cable (8.3mm²)
- 32.8Ft (10m) speaker cable
- 16.4Ft (5m) remote cable
- 16.4Ft (5m) RCA cable
- 2x90° bent plugs and 2 straight plugs
- Accessory pack

PR5 RCA cable
- 5m (16.4Ft)
- Male/male plugs
- 2x90° bent plugs for difficult locations

PS15 Flat speaker cable
- 15AWG (1.5mm²)
- 39Ftx15AWG (12mx1.5mm²)
- High performance, easy to install.
- Soft touch insulant.
- Roll: 39Ftx15AWG (12mx1.5mm²)
- Workshop using

PS25 Flat speaker cable
- 13AWG (2.5mm²)
- 39Ftx13AWG (12mx2.5mm²)
- High performance, easy to install.
- Soft touch insulant.
- Roll: 39Ftx13AWG (12mx2.5mm²)
- Workshop using

Accessories

Cables

B.A.M. 3 technical materials, 3 strategic functions
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).

B.A.M. XXL 1 roll of 19”x236” (50x600cm) (3m²)
B.A.M. XL 1 roll of 19”x78” (50x200cm) (1m²)

B.A.M. XXXL 1 roll of 19”x50” (50x150cm) (0.5m²)

B.R. The Focal B.R. is a soundproofing seal for car doors and bass enclosures. Sold as a 0.3/8” (9mm) diameter roll, 14.7 Ft (4.5m) long.

B.A.M. XL
- High / Low-level converter (2 channels)
- Bandwidth: 10Hz-140kHz
- Signal/noise ratio superior to 100dB
- Distortion inferior to 0.01%
- Automatic remote output

HILO High / Low-level converter (2 channels)
- Bandwidth: 10Hz-140kHz
- Signal/noise ratio superior to 100dB
- Distortion inferior to 0.01%
- Automatic remote output

Tool Set
Set of 11 composite tools to remove door panel. The complementary product for quality car audio installations without risk of aesthetic damage.
Do you have a car and like listening to music? The solution is here: The Integration range of systems. Quick and easy to fit, even by owners themselves, these speakers guarantee the best of Focal Sound. There are no technical or aesthetic changes to your car interior; your car headunit is not changed, your steering-wheel controls work perfectly! At the heart of the Universal range, every compactly sized system is very simple to fit. If you have a vehicle covered by one of our dedicated kits, the Plug & Play range means you can enjoy an installation 100% compatible with original-fit equipment. Forget the old, now you can hear all the difference and live the emotion that comes from quality sound.
IFVW Golf 6 / IFP 207

IFWV Golf 6

3-way component kit

Car compatibility (Front assembly):
- Golf 6 (3/5 doors)

Cone:
- Polyglass

Diameter:
- 6 ½'' (165mm)

Nominal impedance:
- 4 Ohms

Frequency response:
- 85Hz – 200Hz

Sensitivity (2,83V/1M):
- 90.5dB (58Hz)

Nominal power:
- 80 W

Max power:
- 180 W

Integrated crossover:
- Plug & Play

IFBMW-C / IFBMW-S / IFBMW-SUB

IFBMW-C

3-way component kit

Car compatibility:
- BMW X1 (E84)*
- BMW 3 serie (E90/91/92/93)*
- BMW 1 serie (E81/82/87/88)*

Cone:
- Aluminum/magnesium inverted dome tweeter

Diameter:
- 4'' (100mm)

Nominal impedance:
- 4 Ohms

Frequency response:
- 38Hz – 200Hz

Sensitivity (2,83V/1M):
- 90 WRMS

Nominal power:
- 90 WRMS

Max power:
- 180 W

Integrated crossover:
- Plug & Play

* Non-compatible product for last BMW models (F20/F30/31 series).

IFBMW-S

3-way component kit

Car compatibility:
- BMW X1 (E84)**
- BMW 3 serie (E90/91/92/93)**
- BMW 1 serie (E81/82/87/88)**

Cone:
- Aluminum/magnesium inverted dome tweeter

Diameter:
- 3.6'' (90mm)

Nominal impedance:
- 3.6 Ohms

Frequency response:
- 38Hz – 200Hz

Sensitivity (2,83V/1M):
- 90.5dB (58Hz)

Nominal power:
- 90 W

Max power:
- 180 W

Integrated crossover:
- Plug & Play

* Technical wire adaptations to fit in those car models.

IFBMW-Sub

Subwoofer (sold by unit)

Car compatibility:
- BMW X1 (E84)
- BMW 3 serie (E90/91/92/93)
- BMW 1 serie (E81/82/87/88)

Cone:
- Metal grille (top cover)

Diameter:
- 8.6'' (215 mm)

Nominal Impedance:
- 3.6 Ohms

Frequency response:
- 85Hz – 220Hz

Power, sensitivity and frequency response was measured in real car situation

Installation 100% dedicated to BMW (3 Serie / 1 Serie / X1) in less than an hour.

IFBMW-Sub demonstration video: www.focal.com/en/ifbmw-sub
### Universal

#### 2-way component kits

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<tbody>
<tr>
<td>ISN 100</td>
<td>6.5&quot; (165mm)</td>
<td>120 W</td>
<td>35mm</td>
<td>1/3&quot;</td>
<td>1&quot; (25mm)</td>
<td>2/3/4 holes fixing system</td>
<td>60Hz-28kHz</td>
<td>94dB</td>
<td>60WRMS</td>
<td>150 WRMS</td>
<td>0.75&quot; (19mm)</td>
<td>1/2&quot; (12.7mm)</td>
<td>Supplied without grille</td>
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<tr>
<td>ISN 130</td>
<td>6.5&quot; (165mm)</td>
<td>120 W</td>
<td>35mm</td>
<td>1/3&quot;</td>
<td>1&quot; (25mm)</td>
<td>2/3/4 holes fixing system</td>
<td>60Hz-28kHz</td>
<td>94dB</td>
<td>60WRMS</td>
<td>150 WRMS</td>
<td>0.75&quot; (19mm)</td>
<td>1/2&quot; (12.7mm)</td>
<td>Supplied without grille</td>
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<tr>
<td>ISN 165</td>
<td>6.5&quot; (165mm)</td>
<td>120 W</td>
<td>35mm</td>
<td>1/3&quot;</td>
<td>1&quot; (25mm)</td>
<td>2/3/4 holes fixing system</td>
<td>60Hz-28kHz</td>
<td>94dB</td>
<td>60WRMS</td>
<td>150 WRMS</td>
<td>0.75&quot; (19mm)</td>
<td>1/2&quot; (12.7mm)</td>
<td>Supplied without grille</td>
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<tr>
<td>ISN 170</td>
<td>6.5&quot; (165mm)</td>
<td>120 W</td>
<td>35mm</td>
<td>1/3&quot;</td>
<td>1&quot; (25mm)</td>
<td>2/3/4 holes fixing system</td>
<td>60Hz-28kHz</td>
<td>94dB</td>
<td>60WRMS</td>
<td>150 WRMS</td>
<td>0.75&quot; (19mm)</td>
<td>1/2&quot; (12.7mm)</td>
<td>Supplied without grille</td>
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<tr>
<td>ISN 200</td>
<td>6.5&quot; (165mm)</td>
<td>120 W</td>
<td>35mm</td>
<td>1/3&quot;</td>
<td>1&quot; (25mm)</td>
<td>2/3/4 holes fixing system</td>
<td>60Hz-28kHz</td>
<td>94dB</td>
<td>60WRMS</td>
<td>150 WRMS</td>
<td>0.75&quot; (19mm)</td>
<td>1/2&quot; (12.7mm)</td>
<td>Supplied without grille</td>
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#### Tweeter TIS 1.5

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<tr>
<td>6&quot; (150mm)</td>
<td>100 W</td>
<td>35mm</td>
<td>1/3&quot;</td>
<td>1&quot; (25mm)</td>
<td>2/3/4 holes fixing system</td>
<td>60Hz-28kHz</td>
<td>94dB</td>
<td>60WRMS</td>
<td>150 WRMS</td>
<td>0.75&quot; (19mm)</td>
<td>1/2&quot; (12.7mm)</td>
<td>Supplied without grille</td>
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</table>

### ISN 100

- **Supplied without grille**
- **Crossover on connectors**
- **Accessories:** tweeter support (soft touch finishing), crossover on connection, supplied without grille

### ISN 130

- **Supplied without grille**
- **Crossover on connectors**
- **Accessories:** tweeter support (soft touch finishing), crossover on connection, supplied without grille

### ISN 165

- **Supplied without grille**
- **Crossover on connectors**
- **Accessories:** tweeter support (soft touch finishing), crossover on connection, supplied without grille

### ISN 170

- **Supplied without grille**
- **Crossover on connectors**
- **Accessories:** tweeter support (soft touch finishing), crossover on connection, supplied without grille

### ISN 200

- **Supplied without grille**
- **Crossover on connectors**
- **Accessories:** tweeter support (soft touch finishing), crossover on connection, supplied without grille

### ISN 570

- **Supplied grilles**
- **Crossover on connectors**
- **Accessories:** tweeter support (soft touch finishing), crossover on connection, supplied without grille

### ISN 690

- **Supplied grilles**
- **Crossover on connectors**
- **Accessories:** tweeter support (soft touch finishing), crossover on connection, supplied without grille

### Tweeter TIS 1.5

- **Supplied grilles**
- **Crossover on connectors**
- **Accessories:** tweeter support (soft touch finishing), crossover on connection, supplied without grille

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*Note: The above information is a summary and does not include all details. Please refer to the full specification sheets for complete information.*
ISC 100
Z-way coaxial kit
Diameter: 4” (100mm)
Mounting depth: 3 15/16” (49mm)
Cone: Polyglass
Voice-coil diameter: 1” (25mm)
Voice-coil height: 0 1/3” (8.4mm)
Magnet: 2 13/16” (72mm)
Aluminum inverted dome rotating tweeter
Integrated crossover: 6 dB/oct
Max. power: 80 W
Nom. power: 40 WRMS
Sensitivity (2.83V/1m): 90.3dB
Frequency response: 90Hz-20kHz
Impedance: 4Ω
Supplied without grille

ISC 130
Z-way coaxial kit
Diameter: 5” (130mm)
Mounting depth: 1 15/16” (49mm)
Cone: Polyglass
Voice-coil diameter: 1” (25mm)
Voice-coil height: 0 1/3” (8.4mm)
Magnet: 2 13/16” (72mm)
Aluminum inverted dome rotating tweeter
Integrated crossover: 6 dB/oct
Max. power: 120 W
Nom. power: 60 WRMS
Sensitivity (2.83V/1m): 91.8dB
Frequency response: 80Hz-20kHz
Impedance: 4Ω
Supplied without grille

ISC 165
Z-way coaxial kit
Diameter: 6 1/2” (165mm)
Mounting depth: 1 15/16” (50mm)
Cone: Polyglass
Voice-coil diameter: 1” (25mm)
Voice-coil height: 0 7/16” (11mm)
Magnet: 3 9/16” (90mm)
Processed Aluminum inverted dome rotating tweeter
Integrated crossover: 6/6 dB/oct
Max. power: 140 W
Nom. power: 70 WRMS
Sensitivity (2.83V/1m): 93.2dB
Frequency response: 60Hz-20kHz
Impedance: 4Ω
Supplied without grille

ISC 570
Z-way coaxial kit
Diameter: 5x7” (130x180mm)
Mounting depth: 2 1/13” (59.3mm)
Cone: Polyglass
Voice-coil diameter: 1” (25mm)
Voice-coil height: 0 7/16” (11mm)
Magnet: 3 1/3” (85mm)
Aluminum inverted dome rotating tweeter
Integrated crossover: 6 dB/oct
Max. power: 120 W
Nom. power: 60 WRMS
Sensitivity (2.83V/1m): 94.1dB
Frequency response: 65Hz-20kHz
Impedance: 4Ω
Supplied without grille

ISC 690
Z-way coaxial kit
Diameter: 6x9” (165x237mm)
Mounting depth: 3 1/4” (82.5mm)
Cone: Polyglass
Voice-coil diameter: 1 3/16” (30mm)
Voice-coil height: 0 7/16” (10.5mm)
Magnet: 3 9/16” (90mm)
Aluminum inverted dome rotating tweeter
Integrated crossover: 6dB/oct
Max. power: 160 W
Nom. power: 80 WRMS
Sensitivity (2.83 V/1m): 93.6dB
Frequency response: 55Hz-20kHz
Impedance: 4Ω
Supplied with grille

Ibus 2.1
True 2.1 system - Unique concept!
1 amplifier for the subwoofer + 1 amplifier for the front channels very high power.
Type: Active and smart with 8” (20cm) subwoofer
Max. power: 150 W
Nom. power: 75 WRMS
Frequency response: 45Hz-150Hz
High-level inputs
Amplifier: 50W
Amplifier 2 channels
Nom. power: 2x55 WRMS
Max. power: 2x110 W max.
Dimensions (HxWxD): 2 13/16”x13 9/16”x9 13/16” (71.5x344x250mm)
Plug & Play cable kit with ISO connector supplied

Ibus 20
Type: Active enclosure with 8” (20cm) subwoofer
Max. power: 150 W
Nom. power: 75 WRMS
Frequency response: 45Hz-150Hz
High-level inputs
Amplifier: 50W
Amplifier 2 channels
Nom. power: 2x55 WRMS
Max. power: 2x110 W max.
Dimensions (HxWxD): 2 13/16”x13 9/16”x9 13/16” (71.5x344x250mm)
Plug & Play cable kit with ISO connector supplied

Ibus 20
Type: Active enclosure with 8” (20cm) subwoofer
Max. power: 150 W
Nom. power: 75 WRMS
Frequency response: 45Hz-150Hz
High-level inputs
Amplifier: 50W
Amplifier 2 channels
Nom. power: 2x55 WRMS
Max. power: 2x110 W max.
Dimensions (HxWxD): 2 13/16”x13 9/16”x9 13/16” (71.5x344x250mm)
Plug & Play cable kit with ISO connector supplied

Ibus 20
Type: Active enclosure with 8” (20cm) subwoofer
Max. power: 150 W
Nom. power: 75 WRMS
Frequency response: 45Hz-150Hz
High-level inputs
Amplifier: 50W
Amplifier 2 channels
Nom. power: 2x55 WRMS
Max. power: 2x110 W max.
Dimensions (HxWxD): 2 13/16”x13 9/16”x9 13/16” (71.5x344x250mm)
Plug & Play cable kit with ISO connector supplied

Plug & Play active bass enclosures