"The Spirit of Sound"

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 these customised installations capable of exceptional performances.
- **Performance**: give 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 & play” kit from our Integration line, the quality of manufacturing and the care for a refined finish are just as important.

Wherever you may be, 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.
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.

K2 Power Technology

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, unbeatable until now, 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 new line Made in France is the M-shaped inverted Kevlar dome tweeter. This new and totally exclusive M-shaped inverted dome tweeter has been specifically designed to increase precision in the very high end. 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.

More than products... a lifestyle!
No limit for Passion!

A Unique sensation in the world, experience the Grande Utopia EM 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.

From the low bass level to the very high frequencies, the listening pleasure is given by details, neutrality and high dynamic.

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

**TW Ultima**

- Diameter: 2⅓" (75mm)
- Cone technology: Pure Beryllium inverted dome
- Magnet: Neodymium IAL2 motor
- Max. power: 200W (with filtering)
- Nom. power: 50W RMS (with filtering)
- Sensitivity (2.83V/1m): 93dB
- Impedance: 6Ω
- Frequency Response: 500Hz to 40kHz

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

**6 W Ultima**

- Diameter: 6⅜" (165mm)
- Cone technology: Composite "W" sandwich cone
- Voice coil diameter: 1⅜" (40mm)
- Magnet: Power Flower multi ferrite
- Max. power: 240W
- Nom. power: 120W RMS
- Sensitivity (2.83V/1m): 90.5dB
- Impedance: 4Ω
- 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: 1⅜" (40mm)
- Magnet: Dual ferrite
- Max. power: 600W
- Nom. power: 300W RMS
- Sensitivity (2.83V/1m): 90.2dB
- Impedance: 6Ω
- Frequency Response: 40Hz to 120Hz

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

Port size suggested: 6⅝" x Ø2⅜"-(17cm x Ø6cm)
Kit n°6
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: 200W
- Nom. power: 100W RMS
- Sensitivity (2.83V/1m): 91.5dB
- Frequency response: 66Hz-40kHz
- Accessories: supplied grilles

Available in N°6 Active version (without Crossblock)

Kit n°7
3-way component kit
- Diameter: 6 1/2" (165mm)
- Composite sandwich cone: “W”
- Voice-coil: 1" (25mm)
- Magnet: Neodymium
- Pure Beryllium inverted dome TBe tweeter
- Crossblock: 4480 filtering settings available, 3-way 12/12/12dB/oct
- Max. power: 200W
- Nom. power: 100W RMS
- Sensitivity (2.83V/1m): 91dB
- Frequency response: 55Hz-40kHz
- Accessories: supplied grilles

Available in N°7 Active version (without Crossblock)

Mid box
Mid box designed to install the 3W2 and TBe in the windshield upright.
Supplies without woofer.
**165 W-RC Passive version**

2-way component kit  
Diameter: 6 1/2" (165mm)  
Composite sandwich cone: “W”  
Pure Beryllium inverted dome tweeter  
Max. power: 160W  
Nom. power: 80W RMS  
Sensitivity (2.83V/1m): 93dB  
Impedance: 2Ω  
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 tweeter  
Max. power: 160W  
Nom. power: 80W RMS  
Sensitivity (2.83V/1m): 93dB  
Impedance: 2Ω  
Frequency response: 60Hz-30kHz  
Accessories: supplied grilles

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**13 WS**

Subwoofer  
Diameter: 5" (130mm) compact  
Composite sandwich cone: “W”, mounting at the front of the vehicle  
Use in sealed box from 3 to 7l (0.106-0.247 ft³)  
Magnet: Neodymium  
Max. power: 150W  
Nom. power: 75W RMS  
Sensitivity (2.83V/1m): 88dB  
Frequency response: 36Hz*-1500Hz  
Voice-coil: 1 1/4" (32mm)  
Impedance: 4Ω  
Accessories: supplied grilles  
*Depends on load

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**21 WX**

Subwoofer  
Diameter: 8" (210mm)  
Composite sandwich cone: “W”  
Use in sealed or vented box from 15 to 30l (0.530-1.059 ft³)  
Magnet: Multiferrite  
Max. power: 500W  
Nom. power: 250W RMS  
Sensitivity (2.83V/1m): 86.5dB  
Frequency response: 29Hz*-500Hz  
Voice-coil: 2" (50mm)  
Impedance: 4Ω  
Accessories: supplied grilles  
*Depends on load

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**33 WX**

Subwoofer  
Diameter: 13" (330mm)  
Composite sandwich cone: “W”  
Use in sealed or vented box from 35 to 45l (1.236-1.589 ft³)  
Magnet: Multiferrite  
Max. power: 800W  
Nom. power: 400W RMS  
Sensitivity (2.83V/1m): 92dB  
Frequency response: 27Hz*-500Hz  
Voice-coil: 3 1/16" (77mm)  
Impedance: 4Ω  
*Depends on load
Focal Power Symmetric

**FPS 4160**
Power amplifier: 4-channel  
2Ω compatible (stereo)  
AB class  
CEA power into 4Ω: 4x120W RMS  
Power into 2Ω: 4x200W RMS  
Power in bridged mode into 4Ω: 2x380W RMS  
Adjustable high-pass, low-pass and bandpass crossovers: 50Hz-5kHz  
Frequency response: 10Hz-52kHz  
Remote control supplied  
Direct mode  
High-Cap not supplied

**FPS 2300 RX**
Power amplifier: 2-channel  
1Ω compatible (stereo)  
AB class  
CEA power into 4Ω: 2x155W RMS  
Power into 2Ω: 2x300W RMS  
Power into 1Ω: 2x430W RMS  
Power in bridged mode into 4Ω: 1x380W RMS  
Power in bridged mode into 2Ω: 1x750W RMS  
Adjustable high-pass, low-pass and bandpass crossovers: 50Hz-5kHz  
Frequency response: 10Hz-25kHz  
Remote control supplied  
Direct mode  
High-Cap not supplied

**FPS 2160**
Power amplifier: 2-channel  
2Ω compatible (stereo)  
AB class  
CEA power into 4Ω: 2x105W RMS  
Power into 2Ω: 2x180W RMS  
Power in bridged mode into 4Ω: 1x380W RMS  
Adjustable high-pass, low-pass and bandpass crossovers: 50Hz-5kHz  
Frequency response: 10Hz-52kHz  
Direct mode  
High-Cap not supplied

**FPS 3000**
Power amplifier: Monochannel  
1Ω compatible  
D class  
CEA power into 4Ω: 1x590W RMS  
Power into 2Ω: 1x1000W RMS  
Power into 1Ω: 1x1500W RMS  
Adjustable low-pass crossover: 50Hz-500Hz  
Subsonic crossover: 20Hz-50Hz  
Adjustable phase: 0 to 180°  
Frequency response: 10Hz-2.5kHz  
Remote control supplied  
Direct mode  
Not compatible with High-Cap

**FPS 1500**
Power amplifier: Monochannel  
1Ω compatible  
D class  
CEA power into 4Ω: 1x325W RMS  
Power into 2Ω: 1x650W RMS  
Power into 1Ω: 1x800W RMS  
Adjustable low-pass crossover: 50Hz-500Hz  
Subsonic crossover: 20Hz-50Hz  
Adjustable phase: 0 to 180°  
Frequency response: 10Hz-2.5kHz  
Remote control supplied  
Direct mode  
High-Cap not supplied

**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)

* Within the limits of available stock.
K2 Power

NEW!

EC 165 K

2 way coaxial kit
Diameter: 6½” (165mm)
Voice coil diameter: 1” (25mm)
Voice coil height: 0½” (15mm)
Motor: Magnet
Tweeter: TKM (“M” profil aramid fiber inverted dome)
Cone: Composite K2 Power “W” sandwich cone
Surround: Tuned Mass Damper (TMD®)
Separated crossover: 6-12/12dB (3kHz)
Max. power: 400W
Nom. power: 80W RMS
Sensitivity (2.83V/1m): 90dB
Frequency response: 60Hz-22kHz
Impedance: 4Ω
Accessories: supplied grilles

ES 100 K

2 way component kit
Diameter: 4” (100mm)
Voice coil diameter: 01/3” (20mm)
Voice coil height: 0½” (8.5mm)
Motor: Neodymium
Tweeter: TKM (“M” profil aramid fiber inverted dome)
Cone: Composite K2 Power “W” sandwich cone
Surround: Tuned Mass Damper (TMD®)
Separated crossover: 12/12dB (3.5kHz)
Tweeter adjustable level: +3; 0; -3dB/oct
Max. power: 200W
Nom. power: 60W RMS
Sensitivity (2.83V/1m): 90dB
Frequency response: 110Hz-22kHz
Impedance: 4Ω
Accessories: supplied grilles

ES 130 K

2 way component kit
Diameter: 6½” (165mm)
Voice coil diameter: 1” (25mm)
Voice coil height: 0½” (12mm)
Motor: Magnet
Tweeter: TKM (“M” profil aramid fiber inverted dome)
Cone: Composite K2 Power “W” sandwich cone
Surround: Tuned Mass Damper (TMD®)
Separated crossover: 6-12/12dB (3kHz)
Tweeter adjustable level: +3; 0; -3dB/oct
Max. power: 400W
Nom. power: 80W RMS
Sensitivity (2.83V/1m): 90dB
Frequency response: 60Hz-22kHz
Impedance: 4Ω
Accessories: supplied grilles

ES 165 K

2 way component kit
Diameter: 6½” (165mm)
Voice coil diameter: 1½” (32mm)
Voice coil height: 0½” (15mm)
Motor: Magnet
Tweeter: TKM (“M” profil aramid fiber inverted dome)
Cone: Composite K2 Power “W” sandwich cone
Surround: Tuned Mass Damper (TMD®)
Separated crossover: 6-12/12dB (3kHz)
Tweeter adjustable level: +3; 0; -3dB/oct
Max. power: 200W
Nom. power: 100W RMS
Sensitivity (2.83V/1m): 90.8dB
Frequency response: 60Hz-22kHz
Impedance: 4Ω
Accessories: supplied grilles

ES 165 K2

2 way component kit
Diameter: 6½” (165mm)
Voice coil diameter: 1½” (32mm)
Voice coil height: 0½” (15.5mm)
Motor: Magnet
Tweeter: TKM (“M” profil aramid fiber inverted dome)
Cone: Composite K2 Power “W” sandwich cone
Surround: Tuned Mass Damper (TMD®)
Separated crossover: 6-12/12dB (3kHz)
Tweeter adjustable level: +3; 0; -3dB/oct
Max. power: 200W
Nom. power: 100W RMS
Sensitivity (2.83V/1m): 92.8dB
Frequency response: 60Hz-22kHz
Impedance: 2Ω
Accessories: supplied grilles

Availability Spring 2016
ES 165 KX2
2 way component kit
Diameter: 6½” (165mm)
Voice coil diameter: 1¾” (40mm)
Voice coil height: 0½” (16.5mm)
Motor: Magnet
Tweeter: TKMX (“M” profil aramid fiber inverted dome)
Cone: Composite K2 Power “W” sandwich cone
Surround: Tuned Mass Damper (TMD™)
Separated crossover: 6-12/12-18dB (3kHz)
Tweeter adjustable level: +3; 0; -3dB/oct
Max. power: 240W
Nom. power: 120W RMS
Sensitivity (2.83V/1m): 92.5dB
Frequency response: 55Hz-22kHz
Impedance: 2Ω
Accessories: supplied grilles

ES 165 KX3
3 way component kit
Diameter: 6½” (165mm)
Voice coil diameter: 1¾” (40mm)
Voice coil height: 0½” (16.5mm)
Motor: Magnet
Tweeter: TKMX (“M” profil aramid fiber inverted dome)
Cone: Composite K2 Power “W” sandwich cone
Surround: Tuned Mass Damper (TMD™)
Separated crossover: 6-12/12/12dB (3/4kHz/3.5kHz)
Tweeter adjustable level: +3; 0; -3dB/oct
Max. power: 240W
Nom. power: 120W RMS
Sensitivity (2.83V/1m): 93dB
Frequency response: 45Hz-22kHz
Impedance: 4Ω
Accessories: supplied grilles

E 25 KX
Subwoofer
Diameter: 10” (250mm)
Voice coil diameter: 2¾” (65mm)
Voice coil height: 0¾” (16.5mm)
Motor: Magnet
Cone: Composite K2 Power “W” sandwich cone
Max. power: 1200W
Nom. power: 600W RMS
Sensitivity (2.83V/1m): 94.5dB
Frequency response: 25Hz-500Hz
Impedance: dual 4Ω

E 30 KX
Subwoofer
Diameter: 12” (300mm)
Voice coil diameter: 2¾” (65mm)
Voice coil height: 2¾” (65mm)
Motor: Magnet
Cone: Composite K2 Power “W” sandwich cone
Max. power: 1600W
Nom. power: 800W RMS
Sensitivity (2.83V/1m): 95.5dB
Frequency response: 25Hz-500Hz
Impedance: dual 4Ω
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 six new Performance kits: the “F” series. These efforts are now extending far beyond speakers, with a complete electronics offer, delivering the finest musical signal clarity. FD range combines compactness and easy connection, while the brand new premium amplifier range FPX, delivers dynamics and extreme power, always supporting sound quality.
**PS 130F**

2-way component kit

- Diameter: 5” (130mm)
- Mounting depth: 2 7/16” (61.5mm)
- Voice-coil diameter: 1” (25mm)
- Voice-coil height: 0 7/16” (10mm)
- Magnet: 3 1/3” (85mm)
- Processed Aluminum/Magnesium inverted dome tweeter
- Cone: Flax
- Separated crossover: 12-12dB/Oct
- Adjustable tweeter level: 0; -3dB/Oct
- Max. power: 120W
- Nom. power: 60W RMS
- Sensitivity (2.83V/1m): 90.4dB
- Frequency response: 75Hz-28kHz
- Accessories: supplied grilles

**PS 165F**

2-way component kit

- Diameter: 6 1/2” (165mm)
- Mounting depth: 2 7/16” (77mm)
- Voice-coil diameter: 1 1/4” (32mm)
- Voice-coil height: 0 9/6” (15mm)
- Magnet: 3 9/6” (90mm)
- Processed Aluminum/Magnesium inverted dome tweeter
- Cone: Flax
- Separated crossover: 12-12dB/Oct
- Adjustable tweeter level: 0; -3dB/Oct
- Max. power: 140W
- Nom. power: 70W RMS
- Sensitivity (2.83V/1m): 91.6dB
- Frequency response: 60Hz-28kHz
- Accessories: supplied grilles

**PS 165FX**

2-way component kit

- Diameter: 6 1/2” (165mm)
- Mounting depth: 3” (77mm)
- Voice-coil diameter: 1” (25mm)
- Voice-coil height: 0 9/6” (15mm)
- Magnet: 3 9/6” (90mm)
- Processed Aluminum/Magnesium inverted dome tweeter
- Cone: Flax
- Separated crossover: 12-12dB/Oct
- Adjustable tweeter level: 0; -3dB/Oct
- Max. power: 160W
- Nom. power: 80W RMS
- Sensitivity (2.83V/1m): 91.3dB
- Frequency response: 80Hz-28kHz
- Accessories: supplied grilles

**PS 165F3**

3-way component kit

- Woofer diameter: 6 1/2” (165mm)
- Midrange diameter: 3” (80mm)
- Woofer mounting depth: 3” (77mm)
- Midrange mounting depth: 3 9/6” (80mm)
- Woofer magnet: 3 9/6” (90mm)
- Processed Aluminum/Magnesium inverted dome tweeter
- Cone: Flax
- Separated crossover: 12-18dB/Oct
- Adjustable tweeter level: 0; -3dB/Oct
- Adjustable midranges level: HI-MID/Flat
- Max. power: 160W
- Nom. power: 80W RMS
- Sensitivity (2.83V/1m): 90.7dB
- Frequency response: 35Hz-28kHz
- Accessories: supplied grilles
PC 130 F
2 way coaxial kit
Diameter: 5” (130mm)
Mounting depth: 2 1/2” (62.2mm)
Voice coil diameter: 1” (25mm)
Voice coil height: 03/8” (10mm)
Motor: Magnet
Tweeter: Aluminum inverted dome
Cone: Flax
Integrated crossover: 6dB/oct
Max. power: 120W
Nom. power: 60W RMS
Sensitivity (2.83V/1m): 90.5dB
Frequency response: 75Hz-28kHz
Impedance: 4Ω
Accessories: supplied grilles

PC 130 F
Availability: Spring 2016

PC 165 F
2 way coaxial kit
Diameter: 6 1/2” (165mm)
Mounting depth: 2 1/4” (72.5mm)
Voice coil diameter: 1” (25mm)
Voice coil height: 03/8” (10mm)
Motor: Magnet
Tweeter: Aluminum inverted dome
Cone: Flax
Integrated crossover: 6dB/oct
Max. power: 140W
Nom. power: 70W RMS
Sensitivity (2.83V/1m): 91.9dB
Frequency response: 60Hz-28kHz
Impedance: 4Ω
Accessories: supplied grilles

P 20 F
Subwoofer
Diameter: 8” (210mm)
Single voice coil: 1” (Ø 38mm), 4Ω
Sealed enclosure: 0.35 to 0.53 cu Ft (10 to 15l)
Ported enclosure: 0.35 to 0.70 cu Ft (10 to 20l)
Double ferrite magnet: 4” (120mm)
Flax cone
Max. power: 500W
Nom. power: 250W RMS
Sensitivity (2.83V/1m): 82.5dB
Frequency response: 39Hz-500Hz

P 25 F
Subwoofer
Diameter: 10” (250mm)
Single voice coil: 2” (Ø 50mm), 4Ω
Sealed enclosure: 0.35 to 0.88 cu Ft (10 to 25l)
Ported enclosure: 0.88 to 1.20 cu Ft (25 to 35l)
Double ferrite magnet: 5” (145mm)
Flax cone
Max. power: 600W
Nom. power: 300W RMS
Sensitivity (2.83V/1m): 85dB
Frequency response: 33Hz-500Hz

P 30 F
Subwoofer
Diameter: 12” (300mm)
Single voice coil: 2” (Ø 50mm), 4Ω
Sealed enclosure: 1.06 to 1.40 cu Ft (30 to 40l)
Ported enclosure: 1.4 to 2.10 cu Ft (40 to 60l)
Single voice coil: 2” (Ø 50mm), 4Ω
Double ferrite magnet: 5” (145mm)
Flax cone
Max. power: 800W
Nom. power: 400W RMS
Sensitivity (2.83V/1m): 86.7dB
Frequency response: 27Hz-500Hz
**Expert**

**PS 130 V1**
2-way component kit
Diameter: 5" (130mm)
Mounting depth: 2¼" (56.5mm)
Voice-coil diameter: 1" (25mm)
Voice-coil height: 0½" (11mm)
Magnet: 3½" (85mm)
Processed Aluminum inverted dome tweeter
Cone: Polyglass
Separated crossover: 0; -3; -6dB
Max. power: 120W
Nom. power: 60W RMS
Sensitivity (2.83V/1m): 91.6dB
Frequency response: 80Hz-20kHz
Accessories: supplied grilles

**PS 165 V1**
2-way component kit
Diameter: 6½" (165mm)
Mounting depth: 2¾" (65.5mm)
Voice-coil diameter: 1" (25mm)
Voice-coil height: 0½" (11.5mm)
Magnet: 3⅜" (85mm)
Processed Aluminum inverted dome tweeter
Cone: Polyglass
Separated crossover: 0; -3; -6dB
Max. power: 160W
Nom. power: 80W RMS
Sensitivity (2.83V/1m): 93.6dB
Frequency response: 60Hz-20kHz
Accessories: supplied grilles

**PC 100**
2-way coaxial kit
Diameter: 4" (100mm)
Mounting depth: 2" (51.5mm)
Voice-coil diameter: 1" (25mm)
Voice-coil height: 0³/8" (9.5mm)
Magnet: 2⅝" (67mm)
Processed Aluminum inverted dome rotating tweeter
Cone: Polyglass
Integrated crossover: 6dB/oct
Max. power: 100W
Nom. power: 50W RMS
Sensitivity (2.83V/1m): 90.9dB
Impedance: 4Ω
Frequency response: 100Hz-20kHz
Accessories: supplied grilles

**PC 130**
2-way coaxial kit
Diameter: 5" (130mm)
Mounting depth: 2¼" (56.5mm)
Voice-coil diameter: 1" (25mm)
Voice-coil height: 0½" (11mm)
Magnet: 3½" (85mm)
Processed Aluminum inverted dome rotating tweeter
Cone: Polyglass
Integrated crossover: 6dB/oct
Max. power: 120W
Nom. power: 60W RMS
Sensitivity (2.83V/1m): 91.6dB
Impedance: 4Ω
Frequency response: 80Hz-20kHz
Accessories: supplied grilles

**PC 165**
2-way coaxial kit
Diameter: 6½" (165mm)
Mounting depth: 2¾" (65.5mm)
Voice-coil diameter: 1" (25mm)
Voice-coil height: 0½" (11mm)
Magnet: 3⅛" (80mm)
Processed Aluminum inverted dome rotating tweeter
Cone: Polyglass
Integrated crossover: 6dB/oct
Max. power: 160W
Nom. power: 80W RMS
Sensitivity (2.83V/1m): 93.6dB
Impedance: 4Ω
Frequency response: 60Hz-20kHz
Accessories: supplied grilles
PC 710
3-way coaxial kit
Woofer: 7x10” (178x254mm)
Mounting depth: 41/4” (108mm)
Voice-coil diameter: 19/16” (40mm) / Voice-coil height: 13/16” (20mm)
Magnet: 5/8” (120mm)
Double aluminum inverted dome tweeter (adjustable level: Flat/high)
Polyglass cone with reinforced shape
Bi-amplification terminal
Max. power: 200W
Nom. power: 100W RMS
Sensitivity (2.83V/1m): 92dB
Frequency response: 50Hz-20kHz
Impedance: 4Ω
Accessories: grilles and 6x9” spacer

Sub P 25 DB
Diameter: 10” (250mm)
Dual voice-coil
Voice-coil diameter: 2” (50mm)
Voice-coil height: 1” (25mm)
Magnet: 5/8” (145mm)
Polypropylene cone
Max. power: 500W
Nom. power: 250W RMS
Sensitivity (2.83V/1m): 90.9dB
Frequency response: 42Hz-500Hz
Impedance: 4Ω

Sub P 30 DB
Diameter: 12” (300mm)
Dual voice-coil
Voice-coil diameter: 23/8” (60mm)
Voice-coil height: 11/8” (28mm)
Magnet: 5/8” (145mm)
Polypropylene cone
Max. power: 600W
Nom. power: 300W RMS
Sensitivity (2.83V/1m): 93.4dB
Frequency response: 27Hz-500Hz
Impedance: 4Ω

SB P 25
Diameter: 10” (250mm)
Dimensions (HxWxD): 153/8”x122/2”x1413/16” (390x330x377.5mm)
Voice-coil diameter: 2” (50mm)
Voice-coil height: 03/4” (18.5mm)
Magnet: 5/8” (145mm)
Max. power: 500W
Nom. power: 250W RMS
Sensitivity (2.83V/1m): 90.2dB
Frequency response: 42Hz-500Hz
Impedance: 4Ω

SB P 30
Diameter: 12” (300mm)
Dimensions (HxWxD): 175/16”x153/4”x181/8” (440x400x460.8mm)
Voice-coil diameter: 2” (50mm)
Voice-coil height: 03/4” (18.5mm)
Magnet: 5/8” (145mm)
Max. power: 600W
Nom. power: 300W RMS
Sensitivity (2.83V/1m): 90.6dB
Frequency response: 40Hz-500Hz
Impedance: 4Ω
Performance

Huge power, Compactness, Efficiency

The FPX range combines the best of modern amplification technologies to provide high performances and musical precision: the premium understanding by FOCAL!

FPX 4.800
D CLASS PREMIUM AMPLIFIER - 4/3/2 CHANNELS
CEA power (4Ω): 4x420W RMS
Power max (2Ω): 4x165W RMS
Power max (4Ω bridged): 2x700W RMS
Configurable Crossovers High-Pass / Low-Pass: 50Hz-500Hz
Copy Mode (4CH/2CH)
Full range Mode
Protections: Short circuit/over-current/reverse polarity/ DC/voltage drop/heat protection
Dimensions: 9¹₄₈₆''x5¹₅₈₁''x2¹₃₁₃'' (237x132x53mm)
Weight: 4.60lbs (2kg)

FPX 4.400 SQ
AB CLASS PREMIUM AMPLIFIER - 4/3/2 CHANNELS
CEA power (4Ω): 4x70W RMS
Power max (2Ω): 4x100W RMS
Power max (4Ω bridged): 2x200W RMS
Configurable Crossovers High-Pass / Low-Pass: 50Hz-5000Hz
Copy Mode (4CH/2CH)
Full range Mode
Protections: Short circuit/over-current/reverse polarity/ DC/voltage drop/heat protection
Dimensions: 12¹₂₃₆''x6¹₂₃₅''x2¹₃₆₇'' (314x175x57mm)
Weight: 8.16lbs (3.7kg)

FPX 2.750
D CLASS PREMIUM AMPLIFIER - 2 CHANNELS/MONO
CEA power (4Ω): 2x220W RMS
Power max (2Ω): 2x85W RMS
Power max (4Ω bridged): 1x370W RMS
Configurable Crossovers High-Pass / Low-Pass: 50Hz-500Hz
Full range Mode
Protections: Short circuit/over-current/reverse polarity/ DC/voltage drop/heat protection
Dimensions: 9¹₄₈₆''x5¹₅₈₁''x2¹₃₁₃'' (237x132x53mm)
Weight: 4.40lbs (2kg)

FPX 1.1000
D CLASS PREMIUM AMPLIFIER - MONO
CEA power (4Ω): 4x420W RMS
Power max (2Ω): 1x1000W RMS
Power max (1Ω): 1x1000W RMS
Configurable Low-Pass Crossover: 50Hz-250Hz
Bass Boost - Progressive Phase - Subsonic
Protections: Short circuit/over-current/reverse polarity/ DC/voltage drop/heat protection
Dimensions: 11¹₂₃₆''x5¹₅₈₁''x2¹₃₁₃'' (297x132x53mm)
Weight: 5.62lbs (2.55kg)
**Performance**

**FD 4.350**

4/3/2-channel D Class amplifier

- High-level inputs with auto-detection / RCA
- Low-level inputs
- CEA power (4Ω): 6x58W RMS
- Power max (2Ω): 4x100W RMS
- Power max (4Ω bridged): 2x200W RMS

Configurable high-pass/low-pass crossover: 40Hz-400Hz

Full range mode

- Protections: Short-circuit / low impedance / reversal of polarity / DC / power drop / overheating protection
- Dimensions (DxWxH): $713/16'' \times 1113/16'' \times 41/4''$ (199x43x108mm)
- Weight: 1.8lbs (850g)

**FD 2.350**

Stereo D Class bridgeable amplifier

- High-level inputs with auto-detection / RCA
- Low-level inputs
- CEA power (4Ω): 2x106W RMS
- Power max (2Ω): 2x170W RMS
- Power max (4Ω bridged): 1x360W RMS

Configurable high-pass/low-pass crossover: 40Hz-400Hz

Full range mode

- Bass boost (0-12dB)
- Protections: Short-circuit / low impedance / reversal of polarity / DC / power drop / overheating protection
- Dimensions (DxWxH): $713/16'' \times 1113/16'' \times 41/4''$ (199x43x108mm)
- Weight: 1.8lbs (850g)

**FD 1.350**

Mono D Class amplifier with dual output

- High-level inputs with auto-detection / RCA
- Low-level inputs
- CEA power (4Ω): 1x210W RMS
- Power max (2Ω): 1x350W RMS
- Low-pass crossover: 40Hz-400Hz
- Progressive phase adjustment (0-180°)
- Bass boost (0/6dB/12dB)

- Protections: Short-circuit / low impedance / reversal of polarity / DC / power drop / overheating protection
- Dimensions (DxWxH): $713/16'' \times 1113/16'' \times 41/4''$ (199x43x108mm)
- Weight: 1.8lbs (850g)

**DSA 500 RT**

600 W compact D class amplifier

- PWM inputs
- High-and-low-level audio inputs for OEM and after-market head units compatibility.

- Digital Signal Processor:
  - Low latency DSP (<1.5ms)
  - Real time “Focal Manager RT” software
  - PC/MAC compatible (mini USB on external remote control)

- Features:
  - Crossover control (subsonic/highpass/lowpass)
  - 7 bands full parametric equalizer
  - Staging parameters and delays
  - $170$ms-steps of $0.01$ms
  - Compressor/expander
  - Sub phase invert (0/180°)

- Front channels:
  - Power (4Ω): 2x65W RMS
  - 2Ω stable
  - Frequency response: 45Hz to 22kHz

- Subwoofer:
  - Power (4Ω): 1x165W RMS
  - Long stroke 6x9” speaker
  - Acoustical Frequency response: 45Hz-140Hz

- Remote device for subwoofer control

**DSA 500 RT**

600 W compact D class amplifier

- PWM inputs
- High-and-low-level audio inputs for OEM and after-market head units compatibility.

- Digital Signal Processor:
  - Low latency DSP (<1.5ms)
  - Real time “Focal Manager RT” software
  - PC/MAC compatible (mini USB on external remote control)

- Features:
  - Crossover control (subsonic/highpass/lowpass)
  - 7 bands full parametric equalizer
  - Staging parameters and delays
  - $170$ms-steps of $0.01$ms
  - Compressor/expander
  - Sub phase invert (0/180°)

- Front channels:
  - Power (4Ω): 2x65W RMS
  - 2Ω stable
  - Frequency response: 45Hz to 22kHz

- Subwoofer:
  - Power (4Ω): 1x165W RMS
  - Long stroke 6x9” speaker
  - Acoustical Frequency response: 45Hz-140Hz

- Remote device for subwoofer control

**FD 4.350**

4/3/2-channel D Class amplifier

- High-level inputs with auto-detection / RCA
- Low-level inputs
- CEA power (4Ω): 6x58W RMS
- Power max (2Ω): 4x100W RMS
- Power max (4Ω bridged): 2x200W RMS

Configurable high-pass/low-pass crossover: 40Hz-400Hz

Full range mode

- Protections: Short-circuit / low impedance / reversal of polarity / DC / power drop / overheating protection
- Dimensions (DxWxH): $713/16'' \times 1113/16'' \times 41/4''$ (199x43x108mm)
- Weight: 1.8lbs (850g)

**FD 2.350**

Stereo D Class bridgeable amplifier

- High-level inputs with auto-detection / RCA
- Low-level inputs
- CEA power (4Ω): 2x106W RMS
- Power max (2Ω): 2x170W RMS
- Power max (4Ω bridged): 1x360W RMS

Configurable high-pass/low-pass crossover: 40Hz-400Hz

Full range mode

- Bass boost (0-12dB)
- Protections: Short-circuit / low impedance / reversal of polarity / DC / power drop / overheating protection
- Dimensions (DxWxH): $713/16'' \times 1113/16'' \times 41/4''$ (199x43x108mm)
- Weight: 1.8lbs (850g)

**FD 1.350**

Mono D Class amplifier with dual output

- High-level inputs with auto-detection / RCA
- Low-level inputs
- CEA power (4Ω): 1x210W RMS
- Power max (2Ω): 1x350W RMS
- Low-pass crossover: 40Hz-400Hz
- Progressive phase adjustment (0-180°)
- Bass boost (0/6dB/12dB)

- Protections: Short-circuit / low impedance / reversal of polarity / DC / power drop / overheating protection
- Dimensions (DxWxH): $713/16'' \times 1113/16'' \times 41/4''$ (199x43x108mm)
- Weight: 1.8lbs (850g)

**DSA 500 RT**

600 W compact D class amplifier

- PWM inputs
- High-and-low-level audio inputs for OEM and after-market head units compatibility.

- Digital Signal Processor:
  - Low latency DSP (<1.5ms)
  - Real time “Focal Manager RT” software
  - PC/MAC compatible (mini USB on external remote control)

- Features:
  - Crossover control (subsonic/highpass/lowpass)
  - 7 bands full parametric equalizer
  - Staging parameters and delays
  - $170$ms-steps of $0.01$ms
  - Compressor/expander
  - Sub phase invert (0/180°)

- Front channels:
  - Power (4Ω): 2x65W RMS
  - 2Ω stable
  - Frequency response: 45Hz to 22kHz

- Subwoofer:
  - Power (4Ω): 1x165W RMS
  - Long stroke 6x9” speaker
  - Acoustical Frequency response: 45Hz-140Hz

- Remote device for subwoofer control
130 AS
2-way component kit
Diameter: 5" (130mm)
Mounting depth: 21/8" (54.7mm)
Voice-coil diameter: 1" (25mm)
Voice-coil height: 07/16" (11mm)
Magnet: 31/3" (85mm)
Tweeter: Aluminum inverted dome
Cone: DFS® (Dual Fiberglass Structure)
Adjustable Tweeter level: 3 positions (-3/0/+3dB)
Separated crossover: 12/12dB/oct (5kHz)
Max. power: 100W
Nom. power: 50W RMS
Sensitivity (2.83V/1m): 89.3dB
Frequency response: 70Hz-20kHz
Accessories: supplied grilles

165 AS
2-way component kit
Diameter: 61/2" (165mm)
Mounting depth: 21/12" (62.9mm)
Voice-coil diameter: 1" (25mm)
Voice-coil height: 07/16" (11mm)
Magnet: 31/3" (85mm)
Tweeter: Aluminum inverted dome
Cone: DFS® (Dual Fiberglass Structure)
Adjustable Tweeter level: 3 positions (-3/0/+3dB)
Separated crossover: 12/12dB/oct (5kHz)
Max. power: 120W
Nom. power: 60W RMS
Sensitivity (2.83V/1m): 91.3dB
Frequency response: 60Hz-20kHz
Accessories: supplied grilles

165 AS3
3-way component kit
Woofer diameter: 61/2" (165mm)
Midrange diameter: 3" (80mm)
Woofer mounting depth: 21/12" (62.9mm)
Midrange mounting depth: 12/13" (42.5mm)
Voice-coil diameter: 1" (25mm)
Voice-coil height: 09/16" (15mm)
Magnet: 31/3" (85mm)
Tweeter: Aluminum inverted dome
Cone: DFS® (Dual Fiberglass Structure)
Separated crossover: 6/12dB/Oct (5kHz)
Adjustable Tweeter level: 3 positions (-3/0/+3dB)
Max. power: 160W
Nom. power: 80W RMS
Sensitivity (2.83V/1m): 90dB
Frequency response: 55Hz-20kHz
Accessories: supplied grilles

100 AC
2-way coaxial kit
Diameter: 4" (100mm)
Mounting depth: 21/16" (52.2mm)
Voice-coil diameter: 1" (25mm)
Voice-coil height: 07/16" (11mm)
Magnet: 213/16" (72mm)
Tweeter: Aluminum inverted dome
Cone: DFS® (Dual Fiberglass Structure)
Integrated crossover: (4.7kHz) 6dB/oct
Max. power: 80W
Nom. power: 40W RMS
Sensitivity (2.83V/1m): 87.2dB
Frequency response: 70Hz-20kHz
Accessories: supplied grilles

130 AC
2-way coaxial kit
Diameter: 5" (130mm)
Mounting depth: 21/8" (54.7mm)
Voice-coil diameter: 1" (25mm)
Voice-coil height: 07/16" (11mm)
Magnet: 31/3" (85mm)
Tweeter: Aluminum inverted dome
Cone: DFS® (Dual Fiberglass Structure)
Integrated crossover: (4.7kHz) 6dB/oct
Max. power: 100W
Nom. power: 50W RMS
Sensitivity (2.83V/1m): 89.3dB
Frequency response: 70Hz-20kHz
Accessories: supplied grilles

165 AC
2-way coaxial kit
Diameter: 61/2" (165mm)
Mounting depth: 21/12" (62.9mm)
Voice-coil diameter: 1" (25mm)
Voice-coil height: 07/16" (11mm)
Magnet: 31/3" (85mm)
Tweeter: Aluminum inverted dome
Cone: DFS® (Dual Fiberglass Structure)
Integrated crossover: (4.7kHz) 6dB/oct
Max. power: 120W
Nom. power: 60W RMS
Sensitivity (2.83V/1m): 91dB
Frequency response: 60Hz-20kHz
Accessories: supplied grilles
**Access**

### 570 AC
- **2-way coaxial kit**
- **Woofer:** 5x7” (130x180mm)
- **Mounting depth:** 2 1/4” (59.5mm)
- **Voice-coil diameter:** 1” (25mm)
- **Voice-coil height:** 9/16” (14mm)
- **Magnet:** 33/16” (64mm)
- **Tweeter:** Aluminum inverted dome
- **Cone:** DFS® (Dual Fiberglass Structure)
- **Integrated crossover:** (4kHz) 6dB/oct
- **Max. power:** 120W
- **Nom. power:** 60W RMS
- **Sensitivity (2.83V/1m):** 88.65dB
- **Frequency response:** 65Hz-20kHz
- **Accessories:** without grille

### 690 AC
- **2-way coaxial kit**
- **Woofer:** 6x9” (164x235mm)
- **Mounting depth:** 3 1/16” (81.7mm)
- **Voice-coil diameter:** 1 1/8” (30mm)
- **Voice-coil height:** 11/32” (11mm)
- **Magnet:** 3 1/16” (78mm)
- **Tweeter:** Aluminum inverted dome
- **Cone:** DFS® (Dual Fiberglass Structure)
- **Integrated crossover:** (4.7kHz) 6dB/oct
- **Max. power:** 150W
- **Nom. power:** 75W RMS
- **Sensitivity (2.83V/1m):** 91.3dB
- **Frequency response:** 50Hz-20kHz
- **Accessories:** supplied grilles

### BOMBA BP20
- **Compact active subwoofer enclosure**
- **D class amplifier**
- **High and low level audio input (oem and after market head units compatibility)**
- **Bandpass technology**
- **Subwoofer:** 8” (200mm)
- **Dimensions (DxWxH):** 17 15/16” x 9 7/16” x 11 9/16”
  - (449x244x323mm)
- **Max. power:** 300W
- **Nom. power:** 150W RMS
- **Phase selector:** 0-180°
- **Adjustable frequency cut off:** 45Hz-120Hz
- **Frequency response:** 20Hz-125Hz

### Sub 25A4
- **Subwoofer**
  - Diameter: 10” (250mm)
  - Cone: DFS® (Dual Fiberglass Structure)
  - Single Voice coil
  - Voice coil diameter: 2” (60mm)
  - Voice coil height: 1” (25mm)
  - Magnet: 4 3/4” (120mm)
  - Max power: 400W
  - Nom Power: 200W RMS
  - Sensitivity (2.83 V/1m): 85dB
  - Frequency response: 36Hz-500Hz

### Sub 30A4
- **Subwoofer**
  - Diameter: 12” (300mm)
  - Cone: DFS® (Dual Fiberglass Structure)
  - Single Voice coil
  - Voice coil diameter: 2” (60mm)
  - Voice coil height: 1” (25mm)
  - Magnet: 4 3/4” (120mm)
  - Max power: 500W
  - Nom Power: 250W RMS
  - Sensitivity (2.83 V/1m): 87dB
  - Frequency response: 32Hz-500Hz
### Coaxial kits

#### R-570C
2-way coaxial kit  
Diameter: 4" (100mm)  
Mounting depth: 1\(\frac{1}{4}\)" (25mm)  
Voice-coil diameter: 1" (25mm)  
Voice-coil height: 0\(\frac{7}{16}\)" (11mm)  
Magnet: 2\(\frac{1}{2}\)" (65mm)  
Mylar tweeter  
Polypropylene cone  
Max.power: 60W  
Nom.power: 30W RMS  
Sensitivity (2.83V/1m): 88dB  
Frequency response: 80Hz-20kHz  
Accessories: supplied grilles

#### R-690C
3-way coaxial kit  
Diameter: 6\(\frac{1}{2}\") (165mm)  
Mounting depth: 2\(\frac{5}{8}\") (66.5mm)  
Voice-coil diameter: 1" (25mm)  
Voice-coil height: 0\(\frac{7}{16}\)" (11mm)  
Magnet: 3\(\frac{1}{2}\") (85mm)  
Mylar tweeter  
Polypropylene cone  
Max.power: 120W  
Nom.power: 60W RMS  
Sensitivity (2.83V/1m): 92dB  
Frequency response: 60Hz-20kHz  
Accessories: supplied grilles

#### R-100C
2-way coaxial kit  
Diameter: 4" (100mm)  
Mounting depth: 1\(\frac{7}{8}\)" (48.2mm)  
Voice-coil diameter: 1" (25mm)  
Voice-coil height: 0\(\frac{7}{16}\)" (11mm)  
Magnet: 2\(\frac{1}{2}\)" (72mm)  
Mylar tweeter  
Polypropylene cone  
Max.power: 60W  
Nom.power: 30W RMS  
Sensitivity (2.83V/1m): 88dB  
Frequency response: 80Hz-20kHz  
Accessories: supplied grilles

#### R-130C
2-way coaxial kit  
Diameter: 5" (130mm)  
Mounting depth: 2\(\frac{3}{8}\") (64.5mm)  
Voice-coil diameter: 1" (25mm)  
Voice-coil height: 0\(\frac{7}{16}\)" (11mm)  
Magnet: 3\(\frac{1}{2}\") (85mm)  
Mylar tweeter  
Polypropylene cone  
Max.power: 110W  
Nom.power: 50W RMS  
Sensitivity (2.83V/1m): 90dB  
Frequency response: 80Hz-20kHz  
Accessories: supplied grilles

#### R-165C
2-way coaxial kit  
Diameter: 6\(\frac{1}{2}\") (165mm)  
Mounting depth: 3\(\frac{7}{8}\") (100mm)  
Voice-coil diameter: 1" (25mm)  
Voice-coil height: 0\(\frac{7}{16}\)" (11mm)  
Magnet: 3\(\frac{1}{2}\") (85mm)  
Mylar tweeter  
Polypropylene cone  
Max.power: 120W  
Nom.power: 60W RMS  
Sensitivity (2.83V/1m): 91dB  
Frequency response: 60Hz-20kHz  
Accessories: supplied grilles

#### R-570C
2-way coaxial kit  
Diameter: 5" (130mm)  
Mounting depth: 2\(\frac{3}{8}\") (64.5mm)  
Voice-coil diameter: 1" (25mm)  
Voice-coil height: 0\(\frac{7}{16}\)" (11mm)  
Magnet: 3\(\frac{1}{2}\") (85mm)  
Mylar tweeter  
Polypropylene cone  
Max.power: 110W  
Nom.power: 50W RMS  
Sensitivity (2.83V/1m): 90dB  
Frequency response: 80Hz-20kHz  
Accessories: supplied grilles

#### R-690C
3-way coaxial kit  
Diameter: 6\(\frac{1}{2}\") (165mm)  
Mounting depth: 2\(\frac{5}{8}\") (66.5mm)  
Voice-coil diameter: 1" (25mm)  
Voice-coil height: 0\(\frac{7}{16}\)" (11mm)  
Magnet: 3\(\frac{1}{2}\") (85mm)  
Mylar tweeter  
Polypropylene cone  
Max.power: 120W  
Nom.power: 60W RMS  
Sensitivity (2.83V/1m): 92dB  
Frequency response: 60Hz-20kHz  
Accessories: supplied grilles

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**Auditor**

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**Coaxial kits**
Auditor

2-way component kits

**R-130S2**
- 2-way component kit
- Diameter: 5” (130mm)
- Mounting depth: 2½” (64.5mm)
- Single Voice-coil: 4Ω
- Voice-coil diameter: 1” (25mm)
- Voice-coil height: 0½” (11mm)
- Magnet: 3½” (85mm)
- Silk/Aluminum Tweeter
- Polypropylene cone
- Separated pre wired crossover (12db/oct)
- Max.power: 100W
- Nom.power: 50W RMS
- Sensitivity (2.83V/1m): 90dB
- Frequency response: 65Hz-20kHz
- Accessories: supplied grilles

**R-165S2**
- 2-way component kit
- Diameter: 6½” (165mm)
- Mounting depth: 2½” (66.5mm)
- Single Voice-coil: 4Ω
- Voice-coil diameter: 1” (25mm)
- Voice-coil height: 0½” (11mm)
- Magnet: 3½” (85mm)
- Silk/Aluminum Tweeter
- Polypropylene cone
- Separated pre wired crossover (12db/oct)
- Max.power: 120W
- Nom.power: 60W RMS
- Sensitivity (2.83V/1m): 91.5dB
- Frequency response: 60Hz-20kHz
- Accessories: supplied grilles

**R-250S**
- Subwoofer
- Diameter: 10” (250mm)
- Single Voice-coil: 4Ω
- Voice-coil diameter: 2” (50mm)
- Voice-coil height: 0½” (11mm)
- Magnet: 5½” (140mm)
- Polypropylene cone
- Max.power: 500W
- Nom.power: 250W RMS
- Sensitivity (2.83V/1m): 95dB
- Frequency response: 35Hz-20kHz

**R-300S**
- Subwoofer
- Diameter: 12” (300mm)
- Single Voice-coil: 4Ω
- Voice-coil diameter: 2” (50mm)
- Voice-coil height: 0½” (11mm)
- Magnet: 5½” (140mm)
- Polypropylene cone
- Max.power: 600W
- Nom.power: 300W RMS
- Sensitivity (2.83V/1m): 90dB
- Frequency response: 35Hz-50Hz

**R-4280**
- 4/3/2-channel A/B class amplifier
- RCA input
- CEA Power (4Ω): 4x70W RMS
- Max.power (2Ω): 4x180W RMS
- Max.power (bridged 4Ω): 2x170W RMS
- High pass crossover (channel 1-2): 60Hz-1.2kHz
- High pass crossover (channel 3-4): 100Hz-2.2kHz
- Low pass crossover: 50-250Hz
- Full range mode
- Frequency response: 10Hz-30kHz
- Dimensions: (LxWxH): 13⅛” x 2⅛” x 9⅛” (345x64x240mm)
**Elite**

**EK35**
2AWG
Soft touch high flexibility power supply cable
5.20m (17Ft x 21mm²) (1862 strands)
100% OFC
Gold-plated, prewired fusebox and mounted with 150A fuse
Ground cable: 0.70m (2.3 Ft)
Remote cable: 5m (16 Ft)
RCA cable (ES5): 5m (16 Ft)
Accessory pack

**EK21**
4AWG
Soft touch high flexibility power supply cable
5.20m (17Ft x 21mm²) (1862 strands)
100% OFC
Gold-plated, prewired fusebox and mounted with 150A fuse
Ground cable: 0.70m (2.3 Ft)
Remote cable: 5m (16 Ft)
RCA cable (ES5): 5m (16 Ft)
Accessory pack

**Performance**

**PK21**
4AWG
Complete supply kit
(Amplifier-speakers)
16 Ft (4.9m) supply cable (21mm²)
3.3 Ft (1m) ground cable (21mm²)
32.8 Ft (10m) speaker cable
16.4 Ft (5m) remote cable
16.4 Ft (5m) RCA cable
(2x90° bent plugs and 2 straight plugs)
80A fuse-box
Accessory pack

**PK8**
8 AWG
Complete supply kit
(Amplifier-speakers)
16 Ft (4.9m) supply cable (8.3mm²)
3.3 Ft (1m) ground cable (8.3mm²)
32.8 Ft (10m) speaker cable
16.4 Ft (5m) remote cable
16.4 Ft (5m) RCA cable
(2x90° bent plugs and 2 straight plugs)
60A fuse-box
Accessory pack

**Cables**

**ES15**
1 roll: 15 AWG
12mmx1.5mm²
39Ft

**ES25**
1 roll: 13 AWG
12mmx2.5mm²
39Ft

**ES4**
1 roll: 11 AWG
12mmx4mm²
39Ft

**ER5**
RCA cable
1x5m (16.4 Ft)

**ER3**
RCA cable
1x3m (9.9 Ft)

**ER1**
RCA cable
1x1m (3.3 Ft)

**EY05**
RCA cable
2x0.5m (2x1.64 Ft)

**PR5**
Flat speaker cable.
15 AWG/1.5mm²
High performances, easy to install.
Soft touch insulant.
Roll: 99 Ft x 15 AWG
(12mx1.5mm²)

**PS25**
Flat speaker cable.
13 AWG/2.5mm²
High performances, easy to install.
Soft touch insulant.
Roll: 99 Ft x 13 AWG
(12mx2.5mm²)
Accessories

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. XXXL
1 roll of 1911/16"x2361/4" (50x600cm) (3m²)

B.A.M.
2 sheets 81/4"x1113/16" (21x30cm)

B.A.M.
2 sheets 81/4"x1113/16" (21x30cm)

B.R.
The Focal B.R. is a soundproofing seal for car doors and bass enclosures. Sold as a 03/8" (9mm) diameter roll, 14.7 Ft (4.5m) long.

Tool Set
Set of 11 composite tools to remove door panel. The complementary product for quality car audio installations without risk of aesthetic damage.

B.A.M. XL
1 sheet 1911/16"x783/4" (50x200cm) (1m²)

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

**IS 165TOY**
2-way component kit
Cars compatibility: Corolla, Yaris, Auris, Rav 4, Innova, Fortuner ...
The tweeter needs to be adapted in factory location (fixing, glueing...)
Diameter: 6½” (165mm)
Cone: Fiberglass
Aluminium inverted dome compact tweeter
Integrated crossover: 6db/oct
Max power: 120W
Nom power: 60W RMS
Sensitivity(2.83V/1M): 91dB
Frequency response: 60Hz-20kHz
Nominal impedance: 4Ω

**IS 690TOY**
2-way component kit
Cars compatibility: Prius, Camry, Tacoma, Tundra, Alphard, El Cruiser ...
The tweeter needs to be adapted in factory location (fixing, glueing...)
Diameter: 6x9”
Cone: Fiberglass
Aluminium inverted dome compact tweeter
Integrated crossover: 6db/oct
Max power: 150W
Nom power: 75W RMS
Sensitivity(2.83V/1M): 92dB
Frequency response: 50Hz-20kHz
Nominal impedance: 4Ω

**IC 690TOY**
2-way coaxial kit
Cars compatibility: Prius, Camry, Tacoma, Tundra, Alphard, El Cruiser ...
Diameter: 6x9”
Cone: Fiberglass
Aluminium inverted dome compact tweeter
Integrated crossover: 6db/oct
Max power: 150W
Nom power: 75W RMS
Sensitivity(2.83V/1M): 92dB
Frequency response: 50Hz-20kHz
Nominal impedance: 4Ω

**IC 165TOY**
2 way coaxial kit
Cars compatibility*: Corolla, Yaris, Auris, Innova, Fortuner, Avanza, Al phard, Hi-Lux, and for rear installation
Diameter: 165mm
Cone: Fiberglass
Aluminium inverted dome tweeter
Integrated crossover: 6db/oct
Max power: 120W
Nom power: 60W RMS
Sensitivity (2.83V/1M): 91dB
Frequency response: 60Hz-20kHz
Nominal impedance: 4Ω

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Non-exhaustive list of vehicles (update on www.focal.com). Assembly can be different by countries.
IS 165VW

2-way component kit
Cars compatibility front assembly: Golf 6 / Bora / Jetta …
This kit can be assembled on the rear of: Golf 6 / Tiguan
The tweeter needs to be adapted in factory location (fixing, glueing…)
Diameter: 6½” (165mm)
Cone: Fiberglass
Aluminum inverted dome TN44 tweeter
Integrated crossover: 6db/oct
Max power: 120W
Nom power: 60W RMS
Sensitivity(2.83V/1M): 92dB
Frequency response: 60Hz-20kHz
Nominal impedance: 4Ω

Non-exhaustive list of vehicles (update on www.focal.com). Assembly can be different by countries.

IC 165VW

2-way coaxial kit
Rear or front assembly for car without tweeter factory location (Polo / Jetta …)
Diameter: 6½” (165mm)
Cone: Fiberglass
Aluminum inverted dome TN44 tweeter
Integrated crossover: 6db/oct
Max power: 120W
Nom power: 60W RMS
Sensitivity(2.83V/1M): 92dB
Frequency response: 60Hz-20kHz
Nominal impedance: 4Ω

Non-exhaustive list of vehicles (update on www.focal.com). Assembly can be different by countries.

Plug & Play

IS 165VW

IC 165VW

Plug & Play

IFP 207

2-way component kit
Cars compatibility (Front assembly):
- 207
- 307 (with technical modifications)
- 308 (with technical modifications)
Diameter: 6½” (165mm)
Cone: Polyglass
TNB Aluminum/magnesium inverted dome tweeter
Integrated crossover: 6/18db/oct
Max power: 140W
Nom power: 70W RMS
Sensitivity(2.83V/1M): 92.7dB
Frequency response: 70Hz-25kHz

Installation 100% dedicated to Peugeot 207 in less than an hour.
Watch the demonstration video: www.focal.com/en/ifp207

IFVW Golf 6

2-way component kit
Car compatibility (Front assembly):
Golf 6 (3/5 doors)
Diameter: 6½” (165mm)
Cone: Polyglass
TNB Aluminum/magnesium inverted dome tweeter
Integrated crossover: 12/18 db/oct
Max power: 150W
Nom power: 75W RMS
Sensitivity(2.83V/1M): 92.4dB
Frequency response: 65Hz-25kHz

Installation 100% dedicated to Golf 6 in less than an hour.
Watch the demonstration video: www.focal.com/en/ifvw-golf6
**Plug & Play**

**IFBMW-S**

2-way component kit:
- BMW 1 series (E81/82/87/88/F20*)
- BMW 3 series (E90/91/92/93/F31*)
- BMW X1 (E84*)

Diameter: 4" (110mm)
TNB Aluminium/magnesium inverted dome tweeter
Integrated crossover: 18db/oct (4kHz)
Max power: 80W
Nom power: 40W RMS
Sensitivity (2.83V/1M): 90.5dB
Frequency response: 85Hz-22kHz
Nominal impedance: 4Ω

* Technical wire adaptation to fit in these cars models.
Non-exhaustive list of vehicles [update on www.focal.com].

**IFBMW-C**

2-way coaxial kit
Car compatibility:
- BMW 1 series (E81/82/87/88/F20*)
- BMW 3 series (E90/91/F30/F31*)
- BMW 5 series (F10/11/12)*
- BMW X1 (E84/85)

Diameter: 4" (100mm)
TNB Aluminium/magnesium inverted dome tweeter
Integrated crossover: 18db/oct (4kHz)
Max power: 80W
Nom power: 40W RMS
Sensitivity (2.83V/1M): 90.5dB
Frequency response: 85Hz-22kHz
Nominal impedance: 4Ω

* Technical wire adaptation to fit in those cars models.
Non-exhaustive list of vehicles [update on www.focal.com].

**IFBMW-SUB**

Subwoofer (sold by unit)
Car compatibility (under the front seats in ABS factory location):
- BMW 1 series (E81/82/87/88/F20*)
- BMW 3 series (E90/91/92/93/F31*)
- BMW X1 (E84*)

Diameter: 8" (200mm)
Cone: Polypropylene
Power, sensitivity and frequency response was measured in real car situation
Max power: 180W
Nom power: 90W RMS
Sensitivity (2.83V/1M): 90.5dB (5Hz)
Frequency response: 38Hz-200Hz
Nominal impedance: 4Ω
Accessory: Metal grille (top cover)

* Non compatible product for last BMW models (F20/F23 series).
Non-exhaustive list of vehicles [update on www.focal.com].
**IMPIULSE 4.320**

D CLASS ULTRA-COMPACT 4 CHANNELS AMPLIFIER - 4/3/2 CHANNELS

**CEA power (4Ω):** 4x65W RMS
**Power max (2Ω):** 4x80W RMS
**Power max (4Ω bridged):** 2x160W RMS

Activatable/deactivatable crossovers fixed at 75Hz on channels 1/2

Configurable Crossovers from 40Hz-200Hz on channels 3/4

Adjustable Phase 0/180° on channels 3/4

Copy Mode (4CH/2CH)

**Protections:** Short circuit/over-current/reverse polarity/ DC/voltage drop/heat protection

**Dimensions (HxWxD):** 6 7/8”x2 5/8”x17/8” (175x66.5x47mm)

**Weight:** 1.2lbs (550g)

**Plug & Play**

**IY - AC IMPULSE 4.320**

**ADAPATER Y CABLE - FOCAL IMPULSE 4.320**

**ISO STANDARD**

Easy Plug & Play installation

Length: 1m

No soldering or modification of your original system

ISO standard compatible

**Plug & Play**

**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 enclosure with 8” (20cm) subwoofer
**Max. power:** 150W
**Nom. power:** 75W RMS
**Frequency response:** 45Hz-150Hz

**High-level inputs**
**Autopower ON**

Amplification 2 front channels

**Nom. power:** 2x55W RMS
**Max. power:** 2x110W max.

**Dimensions (HxWxD):** 2 1/2”x13”x9” (71.5x344x250mm)

Plug & play cable kit with ISO connector supplied

**Ibus 20**

**Type:** Active enclosure with 8” (20cm) subwoofer
**Max. power:** 150W
**Nom. power:** 75W RMS
**Frequency response:** 45Hz-150Hz

**High-level inputs**
**Autopower ON**

**Dimensions (HxWxD):** 2 1/2”x13”x9” (71.5x344x250mm)

Plug & play cable kit with ISO connector supplied

**IY Bus**

Only one remote control to control the sound level of the two Ibus enclosures (Ibus 20/2.1)

Supplied with cables
**ISN 100**

2-way component kit  
Diameter: 4” (100mm)  
Mounting depth: 1 1/8” (45.2mm) (42.7mm without rubber cap)  
Cone: Polyglass  
Voice-coil diameter: 1” (25mm)  
Voice-coil height: 3/8” (10mm)  
Magnet: Neodymium  
Aluminium/magnesium inverted dome TNB tweeter  
Integrated crossover (connectors): 6dB/oct (woofer)/12dB/oct (tweeter)  
Max. power: 80W  
Nom. power: 40W RMS  
Sensitivity (2.83V/1m): 90.5dB/oct  
Frequency response: 90Hz-28kHz  
Accessories: tweeter support (soft touch finishing), crossover on connectors (woofer et tweeter)  
Supplied without grille

**ISN 130**

2-way component kit  
Diameter: 5” (130mm)  
Mounting depth: 2 1/16” (52.3mm) (49.3mm without rubber cap)  
Cone: Polyglass  
Voice-coil diameter: 1 1/4” (32mm)  
Voice-coil height: 7/16” (10.5mm)  
Magnet: Neodymium  
Aluminium/magnesium inverted dome TNB tweeter  
Integrated crossover (connectors): 6dB/oct (woofer)/12dB/oct (tweeter)  
Max. power: 100W  
Nom. power: 50W RMS  
Sensitivity (2.83V/1m): 91.7dB/oct  
Frequency response: 80Hz-28kHz  
Accessories: tweeter support (soft touch finishing), crossover on connectors (woofer et tweeter)  
Supplied without grille

**ISN 165**

2-way component kit  
Diameter: 6 1/2” (165mm)  
Mounting depth: 2 3/16” (57.1mm) (54.1mm without rubber cap)  
Cone: Polyglass  
Voice-coil diameter: 1 3/4” (44mm)  
Voice-coil height: 7/16” (10.5mm)  
Magnet: Neodymium  
Aluminium/magnesium inverted dome TNB tweeter  
Integrated crossover (connectors): 6dB/oct (woofer)/12dB/oct (tweeter)  
Max. power: 120W  
Nom. power: 60W RMS  
Sensitivity (2.83V/1m): 92.7dB/oct  
Frequency response: 60Hz-28kHz  
Accessories: tweeter support (soft touch finishing), crossover on connectors (woofer et tweeter)  
Supplied without grille

Innovation for the basket assembly !

Assembly removable Clips included in the kit  
(6 clips for “front” speaker assembly & 4 clips for “rear” assembly.

The 5” has a specific adaptable clips to be compatible with 2/3/4 holes fixing system.
Universal

ISS 130
2-way component kit
Diameter: 5" (130mm)
Mounting depth: 1 5/16" (49mm)
Cone: Polyglass
Voice-coil diameter: 1" (25mm)
Voice-coil height: 0 1/4" (8.4mm)
Magnet: 2 1/16" (7mm)
Aluminium inverted dome tweeter
Integrated crossover (connectors): 6dB/oct
Max. power: 120W
Nom. power: 60W RMS
Sensitivity (2.83V/1m): 91.9dB
Frequency response: 75Hz-20kHz
Accessories: tweeter support, crossover on connectors, supplied without grille

ISS 165
2-way component kit
Diameter: 6 1/2" (165mm)
Mounting depth: 1 5/16" (50mm)
Cone: Polyglass
Voice-coil diameter: 1" (25mm)
Voice-coil height: 0 1/4" (7mm)
Magnet: 3 1/16" (90mm)
Aluminium inverted dome tweeter
Integrated crossover (connectors): 6/6dB/oct
Max. power: 140W
Nom. power: 70W RMS
Sensitivity (2.83V/1m): 92.6dB
Frequency response: 60Hz-20kHz
Accessories: tweeter support, crossover on connectors, supplied without grille

ISS 200
2-way component kit
Diameter: 8" (200mm)
Mounting depth: 2 1/8" (63.5mm)
Cone: Polyglass
Voice-coil diameter: 1" (25mm)
Voice-coil height: 0 1/2" (12mm)
Magnet: 3 1/16" (90mm)
Aluminium inverted dome tweeter
Integrated crossover (connectors): 6/6dB/oct
Max. power: 160W
Nom. power: 80W RMS
Sensitivity (2.83V/1m): 91.4dB
Frequency response: 40Hz-20kHz
Accessories: tweeter support, crossover on connectors, supplied without grille
ISS 570
2-way component kit
Diameter: 5x7" (130x180mm)
Mounting depth: 2 1/2" (69.3mm)
Cone: Polyglass
Voice coil diameter: 1" (25mm)
Voice coil height: 0 1/4" (11mm)
Magnet: 3" (85mm)
Aluminum inverted dome tweeter
Integrated crossover (connectors): 6dB/oct (woofer) / 12dB/oct (tweeter)
Max. power: 110W
Nom. power: 60W RMS
Sensitivity (2.83V/1m): 94.1dB
Frequency response: 65Hz-20kHz
Accessories: tweeter support, crossover on connectors, supplied without grille

ISS 690
2-way component kit
Diameter: 6x9" (150x230mm)
Mounting depth: 3 1/4" (82.5mm)
Cone: Polyglass
Voice coil diameter: 1 1/4" (30mm)
Voice coil height: 0 7/16" (10.5mm)
Magnet: 3" (90mm)
Aluminum inverted dome tweeter
Integrated crossover (connectors): 6/6dB/oct
Max. power: 160W
Nom. power: 90W RMS
Sensitivity (2.83V/1m): 93.6dB
Frequency response: 55Hz-20kHz
Accessories: tweeter support, crossover on connectors, supplied grilles

Tweeter TIS 1.5
Max. power: 100W
Nom. power: 15W RMS
Sensitivity (2.83V/1m): 94dB
Integrated crossover: 6dB/oct
Magnet: Neodymium
Aluminum inverted dome tweeter
4 possibilities: Flush, surface, tilted mounting, in factory location
Universal Coaxial kits

**ISC 100**
- 2-way coaxial kit
- Diameter: 4" (100mm)
- Mounting depth: 3/4" (69mm)
- Cone: Polyglass
- Voice-coil diameter: 1" (25mm)
- Voice-coil height: 0" (8.4mm)
- Magnet: 2" (72mm)
- Aluminum inverted dome rotating tweeter
- Integrated crossover: 6dB/oct
- Max. power: 80W
- Nom. power: 40W RMS
- Sensitivity (2.83V/1m): 90.3dB
- Frequency response: 90Hz-20kHz
- Supplied without grille

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

**ISC 165**
- 2-way coaxial kit
- Diameter: 61/2" (165mm)
- Mounting depth: 115/16" (50mm)
- Cone: Polyglass
- Voice-coil diameter: 1" (25mm)
- Voice-coil height: 01/4" (7mm)
- Magnet: 39/16" (90mm)
- Processed Aluminum inverted dome rotating tweeter
- Integrated crossover: 6/6dB/oct
- Max. power: 140W
- Nom. power: 70W RMS
- Sensitivity (2.83V/1m): 93.2dB
- Frequency response: 60Hz-20kHz
- Supplied without grille

**ISC 570**
- 2-way coaxial kit
- Diameter: 5x7" (130x180mm)
- Mounting depth: 21/4" (59.3mm)
- Cone: Polyglass
- Voice-coil diameter: 1" (25mm)
- Voice-coil height: 07/16" (11mm)
- Magnet: 31/3" (85mm)
- Aluminum inverted dome rotating tweeter
- Integrated crossover: 6dB/oct
- Max. power: 120W
- Nom. power: 60W RMS
- Sensitivity (2.83V/1m): 94.1dB
- Frequency response: 65Hz-20kHz
- Supplied without grille

**ISC 690**
- 2-way coaxial kit
- Diameter: 6x9" (165x237mm)
- Mounting depth: 31/4" (82.5mm)
- Cone: Polyglass
- Voice-coil diameter: 13/16" (30mm)
- Voice-coil height: 07/16" (10.5mm)
- Magnet: 39/16" (90mm)
- Aluminum inverted dome rotating tweeter
- Integrated crossover: 6dB/oct
- Max. power: 160W
- Nom. power: 80W RMS
- Sensitivity (2.83V/1m): 93.6dB
- Frequency response: 55Hz-20kHz
- Supplied with grille