

CAR AUDIO



Elite



Performance



Integration

 **FOCAL**[®]
THE SPIRIT OF SOUND



"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.





Elite

"HAUTE COUTURE" 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:

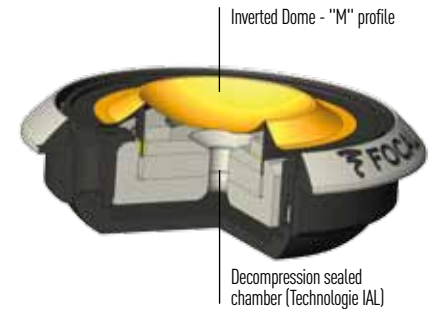
The Focal name is synonymous with unique, "hand-made" equipment to help you achieve the absolute performance from your music. Based on rare, precious metals, this range uses the very latest technologies, strong in the heritage of the Grande Utopia EM, currently considered as one of the best loudspeakers 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.

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 !

New K2 POWER line tweeter



Utopia Be

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.



Full active Ultima kit in its wood Black Satin case
Included authenticity certificate, service manual,
Focal tool CD for settings.

Composition of the kit:
2xTweeters, 2xMidbass, 2xSubwoofers



TW Ultima

Diameter: 2^{5/16}" (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: 6^{1/2}" (165mm)
Cone technology: Composite "W" sandwich cone
Voice coil diameter: 1^{9/16}" (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: 1^{15/16}" (50mm)
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:
6^{11/16}" x Ø2^{8/8}" (17cm x Ø6cm)



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 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^{9/16}" (40mm)
 Magnet: Neodymium
 Midrange: 5" (80mm)
 Composite sandwich cone: "W"
 Voice-coil: 1" (25mm)
 Magnet: Neodymium
 Pure Beryllium inverted dome TBe tweeter
 Crossblock: 4480 filtering settings available, 3-way 12/12-12/12dB/oct
 Max. power: 200W
 Nom. power: 100W RMS
 Sensitivity (2.83V/1m): 89dB
 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



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



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



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^{1/8}" (77mm)
 Impedance: 4Ω

*Depends on load



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: 2x265W RMS
 Power into 1Ω: 2x430W RMS
 Power in bridged mode into 4Ω: 1x530W 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: 1x360W 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: 1x550W 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.



EC 165 K NEW!

2 way coaxial kit
 Diameter: 6^{1/2}" (165mm)
 Voice coil diameter: 1" (25mm)
 Voice coil height: 0^{7/16}" (15mm)
 Motor: Magnet
 Tweeter: TKM ("M" profil aramid fiber inverted dome)
 Cone: Composite K2 Power "W" sandwich cone
 Surround: Tuned Mass Damper (TMD[®])
 Max. power: 160W
 Nom. power: 80W RMS
 Sensitivity (2.83V/1m): 93dB
 Frequency response: 60Hz-22kHz
 Impedance: 4Ω
 Accessories: supplied grilles



ES 100 K NEW!

2 way component kit
 Diameter: 4" (100mm)
 Voice coil diameter: 0^{3/16}" (20mm)
 Voice coil height: 0^{1/2}" (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: 120W
 Nom. power: 60W RMS
 Sensitivity (2.83V/1m): 90dB
 Frequency response: 110Hz-22kHz
 Impedance: 4Ω
 Accessories: supplied grilles



ES 130 K NEW!

2 way component kit
 Diameter: 5" (130mm)
 Voice coil diameter: 1" (25mm)
 Voice coil height: 0^{1/2}" (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 (3.5kHz)
 Tweeter adjustable level: +3; 0; -3dB/oct
 Max. power: 160W
 Nom. power: 80W RMS
 Sensitivity (2.83V/1m): 90dB
 Frequency response: 65Hz-22kHz
 Impedance: 4Ω
 Accessories: supplied grilles



ES 165 K NEW!

2 way component kit
 Diameter: 6^{1/2}" (165mm)
 Voice coil diameter: 1^{1/4}" (32mm)
 Voice coil height: 0 9/16" (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 NEW!

2 way component kit
 Diameter: 6^{1/2}" (165mm)
 Voice coil diameter: 1^{1/4}" (32mm)
 Voice coil height: 0^{9/16}" (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 (3.5kHz)
 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





ES 165 KX2

NEW!

2 way component kit

Diameter: 6^{1/2}" (165mm)

Voice coil diameter: 1^{7/16}" (40mm)

Voice coil height: 0^{7/32}" (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

NEW!

3 way component kit

Diameter: 6^{1/2}" (165mm)

Voice coil diameter: 1^{7/16}" (40mm)

Voice coil height: 0^{7/32}" (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 (3/4/500kHz/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

NEW!

Subwoofer

Diameter: 10" (250mm)

Voice coil diameter: 2^{7/16}" (65mm)

Voice coil height: 2^{3/16}" (55mm)

Motor: Magnet

Cone: Composite K2 Power "W" sandwich cone

Max. power: 1200W

Nom. power: 600W RMS

Sensitivity (2.83V/1m): 84.5dB

Frequency response: 25Hz-500Hz

Impedance: dual 4Ω



E 30 KX

NEW!

Subwoofer

Diameter: 12" (300mm)

Voice coil diameter: 2^{7/16}" (65mm)

Voice coil height: 2^{3/16}" (55mm)

Motor: Magnet

Cone: Composite K2 Power "W" sandwich cone

Max. power: 1600W

Nom. power: 800W RMS

Sensitivity (2.83V/1m): 86.5dB

Frequency response: 25Hz-500Hz

Impedance: dual 4Ω







Performance

CREATE YOUR SOUND

**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

Patent n° W02014/106713A1

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.

FLAX sandwich cone
6 1/2" (165mm) woofer cone conception





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^{3/8}" (10mm)
 Magnet: 3^{1/2}" (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^{7/8}" (72.5mm)
 Voice-coil diameter: 1" (25mm)
 Voice-coil height: 0^{9/16}" (15mm)
 Magnet: 3^{1/2}" (85mm)
 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^{1/16}" (77mm)
 Voice-coil diameter: 1^{1/4}" (32mm)
 Voice-coil height: 0^{9/16}" (15mm)
 Magnet: 3^{9/16}" (90mm)
 Processed Aluminum/Magnesium inverted dome tweeter
 Cone: Flax
 Separated crossover: 12-18dB/Oct
 Adjustable tweeters level: 0; -3dB/Oct
 Max. power: 160W
 Nom. power: 80W RMS
 Sensitivity (2.83V/1m): 91.3dB
 Frequency response: 55Hz-28kHz
 Accessories: supplied grilles



PS 165F3

3-way component kit
 Woofer diameter: 6^{1/2}" (165mm)
 Midrange diameter: 3" (80mm)
 Woofer mounting depth: 3^{1/16}" (77mm)
 Midrange mounting depth: 1^{5/16}" (33.5mm)
 Woofer magnet: 3^{9/16}" (90mm)
 Processed Aluminum/Magnesium inverted dome tweeter
 Cone: Flax
 Separated crossover: 12-18dB/Oct
 Adjustable tweeters 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: 55Hz-28kHz
 Accessories: supplied grilles





PC 130 F NEW !

2 way coaxial kit
 Diameter: 5" (130mm)
 Mounting depth: 2^{11/16"} (59.2mm)
 Voice coil diameter: 1" (25mm)
 Voice coil height: 0^{3/8"} (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 165 F NEW !

2 way coaxial kit
 Diameter: 6^{1/2"} (165mm)
 Mounting depth: 2^{7/8"} (72.50mm)
 Voice coil diameter: 1" (25mm)
 Voice coil height: 0^{1/2"} (13mm)
 Motor: Magnet
 Tweeter: Aluminum inverted dome
 Cone: Flax
 Integrated crossover: 6dB/oct
 Max. power: 140 W
 Nom. power: 70 W RMS
 Sensitivity (2.83V/1m): 91.9dB
 Frequency response: 60Hz-28kHz
 Impedance: 4Ω
 Accessories: supplied grilles



P 20 F

Subwoofer
 Diameter: 8" (200mm)
 Single voice coil: 1^{1/2"} (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^{3/4"} (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" (Ø50mm), 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^{11/16"} (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^{11/16"} (145mm)
 Flax cone
 Max. power: 800W
 Nom. power: 400W RMS
 Sensitivity (2.83V/1m): 86.7dB
 Frequency response: 27Hz-500Hz



PS 130 V1

2-way component kit
 Diameter: 5" (130mm)
 Mounting depth: 2^{1/4}" (56.5mm)
 Voice-coil diameter: 1" (25mm)
 Voice-coil height: 0^{7/16}" (11mm)
 Magnet: 3^{7/16}" (85mm)
 Processed Aluminum inverted dome tweeter
 Cone: Polyglass
 Separated crossover: 0; -3; -6dB
 Max. power: 120W
 Nom. power: 60W RMS
 Sensitivity (2.83V/1m): 91.4dB
 Frequency response: 80Hz-20kHz
 Accessories: supplied grilles

PS 165 V1

2-way component kit
 Diameter: 6^{1/2}" (165mm)
 Mounting depth: 2^{7/16}" (65.5mm)
 Voice-coil diameter: 1" (25mm)
 Voice-coil height: 0^{7/16}" (11.5mm)
 Magnet: 3^{7/16}" (85mm)
 Processed Aluminum inverted dome tweeter
 Cone: Polyglass
 Separated crossover: 0; -3; -6dB
 Max. power: 160W
 Nom. power: 80W RMS
 Sensitivity (2.83V/1m): 92.5dB
 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: 0^{3/8}" (9.5mm)
 Magnet: 2^{13/16}" (72mm)
 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: 2^{1/4}" (56.5mm)
 Voice-coil diameter: 1" (25mm)
 Voice-coil height: 0^{7/16}" (11mm)
 Magnet: 3^{7/16}" (80mm)
 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: 6^{1/2}" (165mm)
 Mounting depth: 2^{7/16}" (65.5mm)
 Voice-coil diameter: 1" (25mm)
 Voice-coil height: 0^{7/16}" (11mm)
 Magnet: 3^{1/8}" (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



Expert

PC 710

3-way coaxial kit
Woofer: 7x10" (178x254mm)
Mounting depth: 4^{1/4}" (108mm)
Voice-coil diameter: 1^{9/16}" (40mm) / Voice-coil height: 0^{13/16}" (20mm)
Magnet: 4^{3/4}" (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^{1/16}" (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: 2^{3/8}" (60mm)
Voice-coil height: 1^{1/8}" (28mm)
Magnet: 5^{1/16}" (145mm)
Polypropylene cone
Max. power: 600W
Nom. power: 300W RMS
Sensitivity (2.83V/1m): 93.4dB
Frequency response: 27Hz-500Hz
Impedance: 4Ω



Expert

Bass enclosures

SB P 25

Diameter: 10" (250mm)
Dimensions (HxWxD):
15^{3/8}"x12^{7/8}"x14^{3/16}" (390x330x377.5mm)
Voice-coil diameter: 2" (50mm)
Voice-coil height: 0^{3/4}" (18.5mm)
Magnet: 5^{1/16}" (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):
17^{7/16}"x15^{5/8}"x18^{1/8}" (440x400x460.8mm)
Voice-coil diameter: 2" (50mm)
Voice-coil height: 0^{3/4}" (18.5mm)
Magnet: 5^{1/16}" (145mm)
Max. power: 600W
Nom. power: 300W RMS
Sensitivity (2.83V/1m): 90.8dB
Frequency response: 40Hz-500Hz
Impedance: 4Ω



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 NEW!

D CLASS PREMIUM AMPLIFIER - 4/3/2 CHANNELS
 CEA power (4Ω): 4x120W RMS
 Power max (2Ω): 4x185W RMS
 Power max (4Ω bridged): 2x370W 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: 9^{21/64} x 5^{13/64} x 2^{32/32}" (237x132x53mm)
 Weight: 4.40lbs (2kg)

FPX 2.750 NEW!

D CLASS PREMIUM AMPLIFIER - 2 CHANNELS/MONO
 CEA power (4Ω): 2x220W RMS
 Power max (2Ω): 2x385W RMS
 Power max (4Ω bridged): 1x770W 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: 9^{21/64} x 5^{13/64} x 2^{32/32}" (237x132x53mm)
 Weight: 4.40lbs (2kg)

FPX 4.400 SQ NEW!

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: 12^{23/64} x 6^{57/64} x 2^{1/4}" (314x175x57mm)
 Weight: 8.16lbs (3.7kg)

FPX 1.1000 NEW!

D CLASS PREMIUM AMPLIFIER - MONO
 CEA power (4Ω): 4x420W RMS
 Power max (2Ω): 1x700W 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: 11^{11/16} x 5^{13/64} x 2^{32/32}" (297x132x53mm)
 Weight: 5.62lbs (2.55kg)



FD 4.350

4/3/2-channel D Class amplifier
 High-level inputs with auto-detection / RCA
 low-level inputs
CEA power (4Ω): 4x58W 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):
 7^{13/16}"x1^{11/16}"x4^{1/4}" (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): 2x105W 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):
 7^{13/16}"x1^{11/16}"x4^{1/4}" (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):
 7^{13/16}"x1^{11/16}"x4^{1/4}" (199x43x108mm)
Weight: 1.8lbs (850g)



www.focal.com/en/dsa500rt



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.
Dimensions (DxWxH):
 12^{9/16}"x23^{5/8}"x8^{1/4}" (310x600x210mm)

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

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
 (170ms-steps of 0.01ms)
 - Compressor/expander
 - Sub phase invert (0/180°)



Access

2 and 3-way component kits



130 AS

2-way component kit
Diameter: 5" (130mm)
Mounting depth: 2^{1/8}" (54.7mm)
Voice-coil diameter: 1" (25mm)
Voice-coil height: 0^{7/16}" (11mm)
Magnet: 3^{1/2}" (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): 90dB
Frequency response: 65Hz-20kHz
Accessories: supplied grilles



165 AS

2-way component kit
Diameter: 6^{1/2}" (165mm)
Mounting depth: 2^{7/16}" (62.9mm)
Voice-coil diameter: 1" (25mm)
Voice-coil height: 0^{7/16}" (11mm)
Magnet: 3^{1/2}" (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: 6^{1/2}" (165mm)
Midrange diameter: 3" (80mm)
Woofer mounting depth: 2^{7/16}" (62.9mm)
Midrange mounting depth: 1^{7/16}" (42.5mm)
Voice-coil diameter: 1" (25mm)
Voice-coil height: 0^{7/16}" (11mm)
Magnet: 3^{1/2}" (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



Access

Coaxial kits



100 AC

2-way coaxial kit
Diameter: 4" (100mm)
Mounting depth: 2^{1/8}" (52.2mm)
Voice-coil diameter: 1" (25mm)
Voice-coil height: 0^{7/16}" (11mm)
Magnet: 2^{3/16}" (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: 2^{1/8}" (54.7mm)
Voice-coil diameter: 1" (25mm)
Voice-coil height: 0^{7/16}" (11mm)
Magnet: 3^{1/2}" (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: 6^{1/2}" (165mm)
Mounting depth: 2^{7/16}" (62.9mm)
Voice-coil diameter: 1" (25mm)
Voice-coil height: 0^{7/16}" (11mm)
Magnet: 3^{1/2}" (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





570 AC

2-way coaxial kit
 Woofer: 5x7" (130x180mm)
 Mounting depth: 2^{13/16}" (59.5mm)
 Voice-coil diameter: 1" (25mm)
 Voice-coil height: 0^{7/16}" (11mm)
 Magnet: 3^{13/16}" (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): 88.65dB
 Frequency response: 65Hz-20kHz
 Accessories: without grille



690 AC

2-way coaxial kit
 Woofer: 6x9" (164x235mm)
 Mounting depth: 3^{11/16}" (81.7mm)
 Voice-coil diameter: 1^{3/16}" (30mm)
 Voice-coil height: 0^{7/16}" (11mm)
 Magnet: 3^{11/16}" (90mm)
 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^{9/16}"x9^{13/16}"x 12^{11/16}" (439x249x323mm)
 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" (50mm)
 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" (50mm)
 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



R-100C

2-way coaxial kit
 Diameter: 4" (100mm)
 Mounting depth: 1^{7/8"} (48.2mm)
 Voice-coil diameter: 1" (25mm)
 Voice-coil height: 0^{7/16"} (11mm)
 Magnet: 2^{3/16"} (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^{1/8"} (54.5mm)
 Voice-coil diameter: 1" (25mm)
 Voice-coil height: 0^{7/16"} (11mm)
 Magnet: 3^{1/2"} (85mm)
 Mylar tweeter
 Polypropylene cone
 Max.power: 100W
 Nom.power: 50W RMS
 Sensitivity (2.83V/1m): 90dB
 Frequency response: 65Hz-20kHz
 Accessories: supplied grilles



R-165C

2-way coaxial kit
 Diameter: 6^{1/2"} (165mm)
 Mounting depth: 2^{5/8"} (66.5mm)
 Voice-coil diameter: 1" (25mm)
 Voice-coil height: 0^{7/16"} (11mm)
 Magnet: 3^{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
 Woofer: 5"x7" (130x180mm)
 Mounting depth: 2^{3/8"} (60mm)
 Voice-coil diameter: 1" (25mm)
 Voice-coil height: 0^{7/16"} (11mm)
 Magnet: 3^{1/2"} (85mm)
 Mylar tweeter
 Polypropylene cone
 Max.power: 120W
 Nom.power: 60W RMS
 Sensitivity (2.83 V/1m): 91.6dB
 Frequency response: 60Hz-20kHz
 Without grille



R-690C

3-way coaxial kit
 Woofer: 6"x9" (164x235mm)
 Mounting depth: 3^{3/16"} (80.5mm)
 Voice-coil diameter: 35mm
 Voice-coil height: 0^{7/16"} (11mm)
 Magnet: 4^{1/2"} (110mm)
 Mylar tweeter
 Polypropylene cone
 Max.power: 160W
 Nom.power: 80W RMS
 Sensitivity (2.83V/1m): 92dB
 Frequency response: 50Hz-20kHz
 Accessories: supplied grilles



R-130S2

2-way component kit
 Diameter: 5" (130mm)
 Mounting depth: 2^{1/8"} (54.5mm)
 Voice-coil diameter: 1" (25mm)
 Voice-coil height: 0^{7/16"} (11mm)
 Magnet: 3^{1/2"} (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: 6^{1/2"} (165mm)
 Mounting depth: 2^{5/8"} (66.5mm)
 Voice-coil diameter: 1" (25mm)
 Voice-coil height: 0^{7/16"} (11mm)
 Magnet: 3^{1/2"} (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: 0^{13/16"} (20mm)
 Magnet: 5^{1/2"} (140mm)
 Polypropylene cone
 Max.power: 500W
 Nom.power: 250W RMS
 Sensitivity (2.83 V/1m): 88dB
 Frequency response: 35Hz-500Hz



R-300S

Subwoofer
 Diameter: 12" (300mm)
 Single Voice-coil: 4Ω
 Voice-coil diameter: 2" (50mm)
 Voice-coil height: 0^{13/16"} (20mm)
 Magnet: 5^{1/16"} (145mm)
 Polypropylene cone
 Max.power: 600W
 Nom.power: 300W RMS
 Sensitivity (2.83V/1m): 90dB
 Frequency response: 35Hz-500Hz



R-4280

4/3/2-channel A/B class amplifier
 RCA input
 CEA Power (4Ω): 4x70W RMS
 Max.power (2Ω): 4x90W 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: (LxHxI): 13^{9/16"} x 2^{1/2"} x 9^{7/16"} (345x64x240mm)



Elite

EK35

2AWG
Soft touch high flexibility power supply cable
5.20m (17Ft)x35mm² (3087 strands)
100% OFC
Gold-plated, prewired fusebox and mounted
with 200A fuse digital power screen
Ground cable: 0.70m (2.3 Ft)
Remote cable: 5m (16 Ft)
RCA cable (ER5): 5m (16 Ft)
Accessory pack



EK21

4AWG
Soft touch high flexibility power supply cable
5.20m (17Ft)x21mm² (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 (ER5): 5m (16 Ft)
Accessory pack



ER1
RCA cable
1x1m (3.3 Ft)

ER5
RCA cable
1x5m (16.4 Ft)

ER3
RCA cable
1x3m (9.9 Ft)

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



ES15
1 roll: 15 AWG
12mx1.5mm²
(39Ft)

ES4
1 roll: 11 AWG
12mx4mm²
(39Ft)

ES25
1 roll: 13 AWG
12mx2.5mm²
(39Ft)

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



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



PS15
Flat speaker cable.
15 AWG/1.5mm²
High performances, easy to install.
Soft touch insulant.
Roll: 39 Ft x 15 AWG
(12mx1.5mm²)

PS25
Flat speaker cable.
13 AWG / 2.5mm²
High performances, easy to install.
Soft touch insulant.
Roll: 39 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 19^{11/16}"x236^{1/4}" (50x600cm) (3m²)



B.R.

The Focal B.R. is a soundproofing seal for car doors and bass enclosure. Sold as a 0^{3/8}" (9mm) diameter roll, 14.7 Ft (4.5m) long.



B.A.M.

2 sheets 8^{1/4}"x11^{13/16}" (21x30cm)



B.A.M. XL

1 sheet 19^{11/16}"x78^{3/4}" (50x200cm) (1m²)



Tool Set

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



HILO

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





Integration

INSTANT GRATIFICATION

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.



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: 6 1/2" (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, EJ Cruiser ...

The tweeter needs to be adapted in factory location (fixing, glueing...)

Diameter: 6x9"

Cone: Fiberglass

Aluminium inverted dome compact tweeter

Integrated crossover: 6 db/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, EJ 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

NEW!

2 way coaxial kit

Cars compatibility*: Corolla, Yaris, Auris, Innova, Fortuner, Avanza, Altis, Hi-Lux, and for rear installation

Diameter: 165mm

Cone: Fiberglass

Aluminum 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



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: 6^{1/2}" (165mm)

Cone: Fiberglass

Aluminium 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: 6^{1/2}" (165mm)

Cone: Fiberglass

Aluminium 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.

VOLKSWAGEN® is a registered trademark.

Plug & Play



PEUGEOT® - IFP 207 / VOLKSWAGEN® - IFW Golf 6

IFP 207

2-way component kit

Cars compatibility (Front assembly):

- 207

- 307 (with technical modifications)

- 308 (with technical modifications)

Diameter: 6^{1/2}" (165mm)

Cone: Polyglass

TNB Aluminium/

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



IFW Golf 6

2-way component kit

Car compatibility (Front assembly):

Golf 6 (3/5 doors)

Diameter: 6^{1/2}" (165mm)

Cone: Polyglass

TNB Aluminium/

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 Peugeot 207 in less than an hour.
Watch the demonstration video: www.focal.com/en/ifp207



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

Peugeot® and Volkswagen® are a registered trademarks. Peugeot® is a registered trademark of PSA®.

IFBMW-S

2-way component kit:

- BMW 1 serie (E81/82/87/88/F20*)
- BMW 3 serie (E90/91/F30/F31*)
- BMW 5 serie (F10*)*
- BMW X1 (E84)

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-S



Installation 100% dedicated to BMW (3 Serie / 1 Serie / X1) in less than an hour.
IFBMW-S demonstration video: www.focal.com/en/ifbmw-s

IFBMW-C

2-way coaxial kit

Car compatibility:

- BMW 1 serie (E81/82/87/88/F20*)
- BMW 3 serie (E90/91/F30/F31*)
- BMW 5 serie (F10*)*
- BMW X1 (E84)*

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-C



Installation 100% dedicated to BMW (3 Serie / 1 Serie / X1) in less than an hour.
IFBMW-C demonstration video: www.focal.com/en/ifbmw-c

IFBMW-SUB

Subwoofer (sold by unit)

Cars compatibility (under the front seats in ABS factory location)

- BMW 1 serie (E81/82/87/88)*
- BMW 3 serie (E90/91/92/93)*
- 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 (58Hz)

Frequency response: 38Hz-200Hz

Nominal impedance: 3.6Ω

Accessory: Metal grille (top cover)



* Non compatible product for last BMW models (F20/F30/31 series).
Non-exhaustive list of vehicles (update on www.focal.com).

Availability Spring 2016

IMPULSE 4.320 NEW!

D CLASS ULTRA-COMPACT 4 CHANNELS AMPLIFIER - 4/3/2 CHANNELS
CEA power (4Ω): 4x55W 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" x 2 5/8" x 1 7/8" (175x66.5x47mm)
Weight: 1.2lbs (550g)



IY - AC IMPULSE 4.320 NEW!

ADAPTER 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



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 13/16" x 13 9/16" x 9 13/16" (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 13/16" x 13 9/16" x 9 13/16" (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^{31/64}" (45.2mm) (42.7mm without rubber cap)

Cone: Polyglass

Voice-coil diameter: 1" (25mm)

Voice-coil height: 0^{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^{71/64}" (52.3mm) (49.3mm without rubber cap)

Cone: Polyglass

Voice-coil diameter: 1^{1/4}" (32mm)

Voice-coil height: 0^{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^{1/8}" (57.1mm) (54.1mm without rubber cap)

Cone: Polyglass

Voice-coil diameter: 1^{1/4}" (32mm)

Voice-coil height: 0^{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 whit 2/3/4 holes fixing system.

ISS 130

2-way component kit
 Diameter: 5" (130mm)
 Mounting depth: 1^{15/16}" (49mm)
 Cone: Polyglass
 Voice-coil diameter: 1" (25mm)
 Voice-coil height: 0^{17/32}" (8.4mm)
 Magnet: 2^{13/16}" (72mm)
 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^{15/16}" (50mm)
 Cone: Polyglass
 Voice-coil diameter: 1" (25mm)
 Voice-coil height: 0^{1/4}" (7mm)
 Magnet: 3^{9/16}" (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^{1/2}" (63.5mm)
 Cone: Polyglass
 Voice-coil diameter: 1" (25mm)
 Voice-coil height: 0^{1/2}" (12mm)
 Magnet: 3^{9/16}" (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^{7/32}" (59.3mm)
 Cone: Polyglass
 Voice-coil diameter: 1" (25mm)
 Voice-coil height: 0^{7/16}" (11mm)
 Magnet: 3^{1/2}" (85mm)
 Aluminum inverted dome tweeter
 Integrated crossover (connectors): 6dB/oct (woofer) / 12dB/oct (tweeter)
 Max. power: 120W
 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^{3/16}" (30mm)
 Voice-coil height: 0^{7/16}" (10.5mm)
 Magnet: 3^{9/16}" (90mm)
 Aluminum inverted dome tweeter
 Integrated crossover (connectors): 6/6dB/oct
 Max. power: 160W
 Nom. power: 80W RMS
 Sensitivity (2.83 V/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



ISC 100

2-way coaxial kit
 Diameter: 4" (100mm)
 Mounting depth: 3^{15/16}" (49mm)
 Cone: Polyglass
 Voice-coil diameter: 1" (25mm)
 Voice-coil height: 0^{13/32}" (8.4mm)
 Magnet: 2^{13/16}" (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: 1^{15/16}" (49mm)
 Cone: Polyglass
 Voice-coil diameter: 1" (25mm)
 Voice-coil height: 0^{13/32}" (8.4mm)
 Magnet: 2^{13/16}" (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: 6^{1/2}" (165mm)
 Mounting depth: 1^{15/16}" (50mm)
 Cone: Polyglass
 Voice-coil diameter: 1" (25mm)
 Voice-coil height: 0^{1/4}" (7mm)
 Magnet: 3^{9/16}" (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: 2^{11/32}" (59.3mm)
 Cone: Polyglass
 Voice-coil diameter: 1" (25mm)
 Voice-coil height: 0^{7/16}" (11mm)
 Magnet: 3^{1/2}" (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: 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: 160W
 Nom. power: 80W RMS
 Sensitivity (2.83 V/1m): 93.6dB
 Frequency response: 55Hz-20kHz
 Supplied with grille





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