

CAR AUDIO | 2017





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

LISTEN BEYOND

“ THE AMPLIFIED DRIVING EXPERIENCE ”



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

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

The love for music combined with the passion for cars spawned Focal's Car Audio collections in the 1990s. These car audio systems and kits are designed to enable car enthusiasts to enhance their driving experience with audiophile sound. From the most prestigious customised installations to easy-to-install kits, every solution is optimised for your vehicle. Our technology is packed with the best innovations and materials to enhance your audio environment, and to make your journey a moment of intense pleasure.

Our collection of audio solutions is adapted to all styles and all uses:

- **Elite:** on-board audio perfection: get the highest musical quality for your car thanks to these customised installations capable of exceptional performance.
- **Performance:** treat yourself to powerful and demonstrative sound through a sound system which reflects who you are.
- **Integration:** discreet and easy to install, a simple way to improve your vehicle's acoustics without altering the factory system.

Innovation and performance, the highest levels of expertise and pleasure are the brand's values. They define Focal's signature, whose unique goal is to take you beyond sound.

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 lines**, are the natural choice for bespoke installations implemented exclusively for you by our expert installers.



> DS-E Tense

D1

UTOPIA BE
No limit for Passion!

D2

K2 POWER
More than products... a lifestyle!



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 Utpia EM' midrange associated with its tweeter with IAL2 technology to drive a 2-way front component kit.



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

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

To be sure to have the best flat and neutral frequency response we associated two 8" subwoofers designed for our professional monitoring system SM9. Grande Utopia Be and SM9 successfully combine the best of Focal's technologies from musical creation in the greatest monitoring studios to final restitution of music at home.

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 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: 2^{15/16}" (75mm)
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)
"W" composite sandwich cone
Voice-coil diameter: 1^{7/16}" (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: Aluminum engraved ring

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



8 W Ultima

Diameter: 8" (200mm)
"W" composite sandwich cone
Voice-coil: 2" (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^{3/8}" (17cmxØ6cm)



Kit n°6

2-way component kit
Diameter: 6 1/2" (165mm)
"W" composite sandwich cone
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)
"W" composite sandwich cone
Voice-coil: 1 9/16" (40mm)
Magnet: Neodymium
Midrange: 5" (80mm)
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)
"W" composite sandwich cone
Pure Beryllium inverted dome tweeter
Max. power: 160W
Nom. power: 80W RMS
Sensitivity (2.83V/1m): 93dB
Impedance: 20
Frequency response: 60Hz-30kHz
Accessories: supplied grilles



165 W-RC Active version

2-way component kit
Diameter: 6 1/2" (165mm)
"W" composite sandwich cone
Pure Beryllium inverted dome tweeter
Max. power: 160W
Nom. power: 80W RMS
Sensitivity (2.83V/1m): 93dB
Impedance: 20
Frequency response: 60Hz-30kHz
Accessories: supplied grilles



13 WS

Subwoofer
Diameter: 5" (130mm) compact
Mounting depth: 2 9/32" (66mm)
"W" composite sandwich cone, 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: 40
Accessories: supplied grilles

*Depends on load



21 WX

Subwoofer
Diameter: 8" (210mm)
Mounting depth: 4 1/16" (106mm)
"W" composite sandwich cone
Use in sealed or vented box from 15 to 30L (0.530-1.059Ft³)
Magnet: Multiferrite
Max. power: 500W
Nom. power: 250W RMS
Sensitivity (2.83V/1m): 86.5dB
Frequency response: 29Hz*-500Hz
Voice-coil: 2" (50mm)
Impedance: 40
Accessories: supplied grilles

*Depends on load



33 WX

Subwoofer
Diameter: 13" (330mm)
Mounting depth: 5 29/32" (150mm)
"W" composite sandwich cone
Use in sealed or vented box from 35 to 45L (1.236-1.589Ft³)
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: 40

*Depends on load



K2 POWER TECHNOLOGY

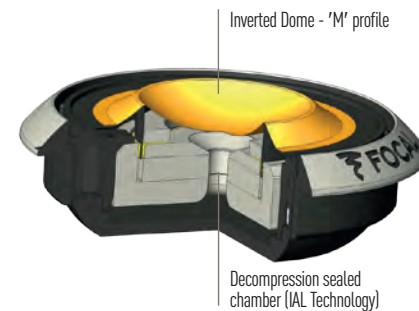
More than products... a lifestyle!

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

The K2 Power's composite sandwich cone, unbeatable until now, combines three key features: rigidity, lightness and damping. This unique expertise Made in France 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 Kevlar inverted dome tweeter. This new and totally exclusive 'M'-shaped inverted dome tweeter has been specifically designed to increase precision in the very high frequencies. The push-pull motor inspired by the IAL technology dampens acoustic resonances on the back of the membrane and extends the low end of the frequency response, in a very compact housing.



New K2 POWER line tweeter





EC 165 K

2-way coaxial kit
Diameter: 6 1/2" (165mm)
K2 composite sandwich cone
Voice-coil diameter: 1" (25mm)
Voice-coil height: 0 9/16" (15mm)
Motor: Magnet
Tweeter: TKM ('M' profil aramid fiber inverted dome)
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 130 K

2-way component kit
Diameter: 5" (130mm)
K2 composite sandwich cone
Voice-coil diameter: 1" (25mm)
Voice-coil height: 0 1/2" (12mm)
Motor: Magnet
Tweeter: TKM ('M' profil aramid fiber inverted dome)
Surround: Tuned Mass Damper (TMD®)
Separated crossover: 6-12/12dB (3.5kHz)
Tweeter adjustable level: +3; 0; -3dB
Max. power: 160W
Nom. power: 80W RMS
Sensitivity (2.83V/1m): 90dB
Frequency response: 65Hz-22kHz
Impedance: 4Ω
Accessories: supplied grilles



ES 100 K

2-way component kit
Diameter: 4" (100mm)
K2 composite sandwich cone
Voice-coil diameter: 0 3/16" (20mm)
Voice-coil height: 0 1/8" (8.5mm)
Motor: Neodymium
Tweeter: TKM ('M' profil aramid fiber inverted dome)
Surround: Tuned Mass Damper (TMD®)
Separated crossover: 12/12dB (3.5kHz)
Tweeter adjustable level: +3; 0; -3dB
Max. power: 120W
Nom. power: 60W RMS
Sensitivity (2.83V/1m): 90dB
Frequency response: 110Hz-22kHz
Impedance: 4Ω
Accessories: supplied grilles



ES 165 K

2-way component kit
Diameter: 6 1/2" (165mm)
K2 composite sandwich cone
Voice-coil diameter: 1 1/4" (32mm)
Voice-coil height: 0 9/16" (15mm)
Motor: Magnet
Tweeter: TKM ('M' profil aramid fiber inverted dome)
Surround: Tuned Mass Damper (TMD®)
Separated crossover: 6-12/12dB (3kHz)
Tweeter adjustable level: +3; 0; -3dB
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: 6 1/2" (165mm)
K2 composite sandwich cone
Voice-coil diameter: 1 1/4" (32mm)
Voice-coil height: 0 5/8" (15.5mm)
Motor: Magnet
Tweeter: TKM ('M' profil aramid fiber inverted dome)
Surround: Tuned Mass Damper (TMD®)
Separated crossover: 6-12/12dB (3.5kHz)
Tweeter adjustable level: +3; 0; -3dB
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

2-way component kit
Diameter: 6 1/2" (165mm)
K2 composite sandwich cone
Voice-coil diameter: 1 9/16" (40mm)
Voice-coil height: 0 7/8" (16.5mm)
Motor: Magnet
Tweeter: TKMX ('M' profil aramid fiber inverted dome)
Surround: Tuned Mass Damper (TMD®)
Separated crossover: 6-12/12-18dB (3kHz)
Tweeter adjustable level: +3; 0; -3dB
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: 6 1/2" (165mm)
K2 composite sandwich cone
Voice-coil diameter: 1 9/16" (40mm)
Voice-coil height: 0 7/8" (16.5mm)
Motor: Magnet
Tweeter: TKMX ('M' profil aramid fiber inverted dome)
Surround: Tuned Mass Damper (TMD®)
Separated crossover: 6-12/12/12dB (3/4/500kHz/3.5kHz)
Tweeter adjustable level: +3; 0; -3dB
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)
K2 composite sandwich cone
Mounting depth: 6 9/16 1/4" (172mm)
Voice-coil diameter: 2 7/16" (65mm)
Voice-coil height: 2 3/16" (55mm)
Motor: Magnet
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

Subwoofer
Diameter: 12" (300mm)
K2 composite sandwich cone
Mounting depth: 6 9/16 1/4" (172mm)
Voice-coil diameter: 2 7/16" (65mm)
Voice-coil height: 2 3/16" (55mm)
Motor: Magnet
Max. power: 1600W
Nom. power: 800W RMS
Sensitivity (2.83V/1m): 86.5dB
Frequency response: 25Hz-500Hz
Impedance: dual 4Ω



ELECTRONICS

Are you looking to enjoy the sensations of astonishingly precise and powerful car audio which is perfectly controlled and stable in your vehicle?

Focal's range of electronic products will enhance your car audio system so you can get the most out of your music while at the wheel. They will enable you to create a sound processing system with all the electronics you need to satisfy your desires. Create exactly the right set-up you're looking for, in confined or adequate spaces: the system can be optimised using a **digital signal processor** and one or more **amplifiers**. Thanks to our ranges of FPX and FD amplifiers, and to our FSP-8 sound processor, you'll immediately find the perfect balance of power and audio quality.

These electronic products will give you the best results with our Elite and Performance ranges.

Amplifiers

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 5.1200

D CLASS AMPLIFIER - 5 CHANNELS
CEA Power (4Ω): 4x75W RMS + 1x420W RMS
Power max (2Ω): 4x120W + 1x720W
Configurable Crossovers High-Pass/Low-Pass: 50Hz – 500Hz
Copy Mode: (6CH/4CH/2CH)
Full range Mode
Bass Boost
Subsonic filter
Adjustable Phase
Protections: Short circuit/over-current/reverse polarity/DC/voltage drop/heat protection
Dimensions (LxHxW): 11^{13/16}"x6^{57/64}"x2^{1/4}"(300x175x57mm)
Weight: 9.038 lbs (4.1Kg)
Remote control included

FPX 4.400 SQ

“The Sound Quality amplifier of the range”

AB CLASS 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: 12²³⁸mm x 6⁵⁹⁶mm x 2¹⁰⁴mm (314x175x57mm)
Weight: 8.16lbs (3.7kg)

FPX 2.750

D CLASS 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: 9²¹⁸mm x 5¹³⁶mm x 2⁹²mm (237x132x53mm)
Weight: 4.40lbs (2kg)

FD 4.350

D CLASS AMPLIFIER - 4/3/2-CHANNEL
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): 7¹³⁷mm x 1¹¹⁷mm x 4¹⁴⁴mm (199x43x108mm)
Weight: 1.8lbs (850g)

FD 1.350

D CLASS AMPLIFIER WITH DUAL OUTPUT - MONO
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): 7¹³⁷mm x 1¹¹⁷mm x 4¹⁴⁴mm (199x43x108mm)
Weight: 1.8lbs (850g)

FPX 4.800

D CLASS 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: 9²¹⁸mm x 5¹³⁶mm x 2⁹²mm (237x132x53mm)
Weight: 4.40lbs (2kg)

FPX 1.1000

D CLASS AMPLIFIER - MONO
CEA power (4Ω): 1x420W 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: 11¹¹⁹mm x 5¹³⁶mm x 2⁹²mm (297x132x53mm)
Weight: 5.62lbs (2.55kg)

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): 7¹³⁷mm x 1¹¹⁷mm x 4¹⁴⁴mm (199x43x108mm)
Weight: 1.8lbs (850g)

FSP-8



8-CHANNEL SOUND PROCESSOR
Selectable high/low-level inputs for compatibility with factory or after-market head units
High-resolution digital input (24 bits/192kHz)
Auxiliary stereo input
Remote control with LED screen (sold separately)
Dimensions (LxHxW): 5⁵¹⁴mm x 8⁹¹⁴mm x 1¹⁷⁸mm (135mmx218mmx48mm)
Audio specifications
Max output (with 10 kΩ): 3.4V
Frequency response (digital crossover off/-3 dB): 5Hz- 21kHz
Signal/noise ratio: -90dBA (analog input)/-99dBA (optical)
Distortion - 10 kΩ - @ 1kHz (with 22kHz low-pass filter): 0.02%



Manager Focal FSP-8 software

PC compatibility: Windows XP/Vista/Seven/8/10
Simplified set-up and dynamic help
Equaliser: 10 bands, fully customisable for every single channel
High-pass/low-pass filter/bandpass control: 16Hz - 20kHz
Delay adjustment range: 0-22ms per channel
Delay adjustment incrementation: 0.1ms
Phase inverter

FSP-8 remote control

Enables you to control the main functions of the FSP-8:
Adjust overall gain, subwoofer volume, and input selection for the FSP-8
Reminds you of the stored pre-sets
Notched knob
LED backlit screen
Dimensions (LxHxW): 1¹²⁷mm x 4⁵⁷mm x 1¹⁴⁴mm (38x110x31.3mm)

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 music lovers.



FLAX SANDWICH TECHNOLOGY
Perfect balance for high dynamic

01

EXPERT
Live sound in all its dimension

02

ACCESS
More than a name... A compelling story

03

AUDITOR
Your first installation with Focal sound

FLAX SANDWICH TECHNOLOGY

Patent n° WO2014/106713A1

Perfect balance for high dynamic

Over the last 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.

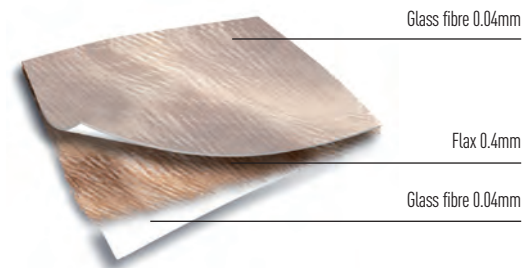
The 'Sandwich' technology which we master perfectly with the K2 and 'W' cones is the best way to achieve a perfect balance between rigidity/weight/damping.

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. 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 Performance kits: the 'F' series.

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





PS 130 F

2-way component kit
Diameter: 5" (130mm)
Flax sandwich cone
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
Separated crossover: 12-12dB/Oct
Ajustable 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 165 F

2-way component kit
Diameter: 6^{1/2}" (165mm)
Flax sandwich cone
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
Separated crossover: 12-12dB/Oct
Ajustable 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 165 FX

2-way component kit
Diameter: 6^{1/2}" (165mm)
Flax sandwich cone
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
Separated crossover: 12-18dB/Oct
Ajustable 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 165 F3

3-way component kit
Woofer diameter: 6^{1/2}" (165mm)
Flax sandwich cone
Midrange diameter: 3" (80mm)
Woofer mounting depth: 3^{1/16}" (77mm)
Midrange mounting depth: 1^{9/16}" (33.5mm)
Woofer magnet: 3^{9/16}" (90mm)
Processed Aluminum/Magnesium inverted dome tweeter
Separated crossover: 12-18dB/Oct
Ajustable tweeters level: 0; -3dB/Oct
Ajustable 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

2-way coaxial kit
Diameter: 5" (130mm)
Flax sandwich cone
Mounting depth: 2^{7/16}" (59.2mm)
Voice-coil diameter: 1" (25mm)
Voice-coil height: 0^{3/8}" (10mm)
Motor: Magnet
Aluminum inverted dome tweeter
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

2-way coaxial kit
Diameter: 6^{1/2}" (165mm)
Flax sandwich cone
Mounting depth: 2^{7/8}" (72.50mm)
Voice-coil diameter: 1" (25mm)
Voice-coil height: 0^{7/2}" (13mm)
Motor: Magnet
Aluminum inverted dome tweeter
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" (200mm)
Flax sandwich cone
Mounting depth: 4^{39/64}" (117mm)
Single voice-coil: 1^{1/2}" (Ø38mm), 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^{31/64}" (120mm)
Max. power: 500W
Nom. power: 250W RMS
Sensitivity (2.83V/1m): 82.5dB
Frequency response: 39Hz-500Hz

P 25 F

Subwoofer
Diameter: 10" (250mm)
Flax sandwich cone
Mounting depth: 5^{17/32}" (140.6mm)
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^{17/16}" (145mm)
Max. power: 600W
Nom. power: 300W RMS
Sensitivity (2.83V/1m): 85dB
Frequency response: 33Hz-500Hz

P 30 F

Subwoofer
Diameter: 12" (300mm)
Flax sandwich cone
Mounting depth: 6^{5/16}" (160.5mm)
Single voice-coil: 2" (Ø50mm), 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)
Double ferrite magnet: 5^{17/16}" (145mm)
Max. power: 800W
Nom. power: 400W RMS
Sensitivity (2.83V/1m): 86.7dB
Frequency response: 27Hz-500Hz

PERFORMANCE EXPERT

2-way component kits

PS 130 V1

2-way component kit
Diameter: 5" (130mm)
Polyglass cone
Mounting depth: 2^{1/4}" (56.5mm)
Voice-coil diameter: 1" (25mm)
Voice-coil height: 0^{7/16}" (11mm)
Magnet: 3^{1/16}" (85mm)
Processed Aluminum inverted dome tweeter
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)
Polyglass cone
Mounting depth: 2^{9/16}" (65.5mm)
Voice-coil diameter: 1" (25mm)
Voice-coil height: 0^{7/16}" (11.5mm)
Magnet: 3^{1/16}" (85mm)
Processed Aluminum inverted dome tweeter
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



PERFORMANCE EXPERT

Coaxial kits

PC 100

2-way coaxial kit
Diameter: 4" (100mm)
Polyglass cone
Mounting depth: 2" (51.5mm)
Voice-coil diameter: 1" (25mm)
Voice-coil height: 0^{3/8}" (9.5mm)
Magnet: 2^{3/16}" (72mm)
Processed Aluminum inverted dome rotating tweeter
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)
Polyglass cone
Mounting depth: 2^{1/4}" (56.5mm)
Voice-coil diameter: 1" (25mm)
Voice-coil height: 0^{7/16}" (11mm)
Magnet: 3^{1/8}" (80mm)
Processed Aluminum inverted dome rotating tweeter
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)
Polyglass cone
Mounting depth: 2^{9/16}" (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
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



PERFORMANCE EXPERT

Subwoofers

Sub P 25 DB

Diameter: 10" (250mm)
Polypropylene cone
Mounting depth: 5^{29/64}" (138.6mm)
Dual voice-coil
Voice-coil diameter: 2" (50mm)
Voice-coil height: 1" (25mm)
Magnet: 5^{1/16}" (145mm)
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)
Polypropylene cone
Mounting depth: 6^{5/16}" (160.5mm)
Dual voice-coil
Voice-coil diameter: 2^{3/8}" (60mm)
Voice-coil height: 1^{1/8}" (28mm)
Magnet: 5^{1/16}" (145mm)
Max. power: 600W
Nom. power: 300W RMS
Sensitivity (2.83V/1m): 93.4dB
Frequency response: 27Hz-500Hz
Impedance: 4Ω



PERFORMANCE EXPERT

Bass enclosures



SB P 30

Diameter: 12" (300mm)
Dimensions (HxWxD):
17^{5/16}"x15^{5/16}"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

Within the limit of available product stock.

PERFORMANCE ACCESS

130 AS

2-way component kit
Diameter: 5" (130mm)
DFS® cone (Dual Fiberglass Structure)
Mounting depth: 2^{1/8"} (54.7mm)
Voice-coil diameter: 1" (25mm)
Voice-coil height: 0^{7/16"} (11mm)
Magnet: 3^{1/2"} (85mm)
Aluminum inverted dome tweeter
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)
DFS® cone (Dual Fiberglass Structure)
Mounting depth: 2^{1/2"} (62.9mm)
Voice-coil diameter: 1" (25mm)
Voice-coil height: 0^{7/16"} (11mm)
Magnet: 3^{1/2"} (85mm)
Aluminum inverted dome tweeter
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)
DFS® cone (Dual Fiberglass Structure)
Midrange diameter: 3" (80mm)
Woofer mounting depth: 2^{1/2"} (62.9mm)
Midrange mounting depth: 1^{29/32"} (42.5mm)
Voice-coil diameter: 1" (25mm)
Voice-coil height: 0^{7/16"} (11mm)
Magnet: 3^{1/2"} (85mm)
Aluminum inverted dome tweeter
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



2 and 3-way component kits

PERFORMANCE ACCESS

100 AC

2-way coaxial kit
Diameter: 5" (100mm)
Mounting depth: 2^{1/8"} (52.2mm)
Voice-coil diameter: 1" (25mm)
DFS® cone (Dual Fiberglass Structure)
Voice-coil height: 0^{7/16"} (11mm)
Magnet: 2^{3/16"} (72mm)
Aluminum inverted dome tweeter
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)
DFS® cone (Dual Fiberglass Structure)
Voice-coil height: 0^{7/16"} (11mm)
Magnet: 3^{1/2"} (85mm)
Aluminum inverted dome tweeter
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

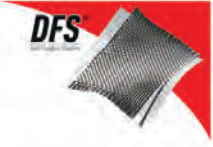


165 AC

2-way coaxial kit
Diameter: 6^{1/2"} (165mm)
Mounting depth: 2^{1/2"} (62.9mm)
Voice-coil diameter: 1" (25mm)
DFS® cone (Dual Fiberglass Structure)
Voice-coil height: 0^{7/16"} (11mm)
Magnet: 3^{1/2"} (85mm)
Aluminum inverted dome tweeter
Max. power: 120W
Nom. power: 60W RMS
Sensitivity (2.83V/1m): 91dB
Frequency response: 60Hz-20kHz
Accessories: supplied grilles



Coaxial kits



PERFORMANCE ACCESS

570 AC

2-way coaxial kit
Woofer: 5x7" (130x180mm)
DFS® cone (Dual Fiberglass Structure)
Mounting depth: 2^{1/2"} (59.5mm)
Voice-coil diameter: 1" (25mm)
Voice-coil height: 0^{7/16"} (11mm)
Magnet: 3^{1/2"} (85mm)
Aluminum inverted dome tweeter
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)
DFS® cone (Dual Fiberglass Structure)
Mounting depth: 3^{1/16"} (81.7mm)
Voice-coil diameter: 1^{3/16"} (30mm)
Voice-coil height: 0^{7/16"} (11mm)
Magnet: 3^{9/16"} (90mm)
Aluminum inverted dome tweeter
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



Coaxial kits

PERFORMANCE ACCESS

Subwoofer and Bass enclosures

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^{5/16"}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)
DFS® cone (Dual Fiberglass Structure)
Mounting depth: 4^{83/64"} (126.6mm)
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)
DFS® cone (Dual Fiberglass Structure)
Mounting depth: 4^{49/64"} (146.5mm)
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



PERFORMANCE AUDITOR

Coaxial kits

As well as all Focal's Car Audio solutions, Auditor kits feature an inverted dome tweeter for a true music precision in your car !

NEW

RCX-100

2-way coaxial kit
Diameter: 4" (100mm)
Polypropylene cone
1" Mylar inverted dome tweeter
Mounting depth: 17/8" (48.2mm)
Voice-coil diameter: 1" (25mm)
Magnet: 2⁵³/₆₄" (76mm)
Max.power: 60W
Nom.power: 30W RMS
Sensitivity (2.83V/1m): 88dB
Frequency response: 80Hz-21kHz
Accessories: grilles, fastening and screws supplied



NEW

RCX-130

2-way coaxial kit
Diameter: 5" (130mm)
Polypropylene cone
1" Mylar inverted dome tweeter
Mounting depth: 2¹¹/₆₄" (54.5mm)
Voice-coil diameter: 1" (25mm)
Magnet: 3²⁵/₆₄" (86mm)
Max.power: 100W
Nom.power: 50W RMS
Sensitivity (2.83V/1m): 90dB
Frequency response: 65Hz-21kHz
Accessories: grilles, fastening and screws supplied



NEW

RCX-165

2-way coaxial kit
Diameter: 6¹/₂" (165mm)
Polypropylene cone
1" Mylar inverted dome tweeter
Mounting depth: 2⁵/₈" (66.5mm)
Voice-coil diameter: 1" (25mm)
Magnet: 3²⁵/₆₄" (86mm)
Max.power: 120W
Nom.power: 60W RMS
Sensitivity (2.83V/1m): 91.5dB
Frequency response: 60Hz-21kHz
Accessories: grilles, fastening and screws supplied



NEW

RCX-570

2-way coaxial kit, elliptic
Woofer: 5"x7" (130x180mm)
Polypropylene cone
Mounting depth: 2²³/₆₄" (60mm)
Voice-coil diameter: 1" (25mm)
1" Mylar inverted dome tweeter
Magnet: 3¹/₂" (85mm)
Max.power: 120W
Nom. power: 60W RMS
Sensitivity (2.83 V/1m): 91.6dB
Frequency response: 60Hz-21kHz
Accessories: without grille



NEW

RCX-690

3-way coaxial kit, elliptic
Woofer: 6"x9" (164x235mm)
Mounting depth: 3¹/₆₄" (80.5mm)
Voice-coil diameter: 1³/₈" (35mm)
Magnet: 4¹/₂" (110mm)
1" Mylar tweeter/medium
Max.power: 160W
Nom.power: 80W RMS
Sensitivity (2.83V/1m): 92dB
Frequency response: 50Hz-21kHz
Accessories: grilles, fastening and screws supplied



PERFORMANCE AUDITOR

2-way component kits

NEW

RSE-130

2-way component kit
Diameter: 5" (130mm)
Polypropylene cone
Mounting depth: 2⁹/₆₄" (54.5mm)
Voice-coil diameter: 1" (25mm)
Magnet: 3²⁵/₆₄" (86mm)
1" Mylar inverted dome tweeter
Separated pre wired crossover (12dB/oct)
Max.power: 100W
Nom.power: 50W RMS
Sensitivity (2.83V/1m): 90dB
Frequency response: 65Hz-21kHz
Accessories: grilles, fastening and screws supplied



NEW

RSE-165

2-way component kit
Diameter: 6¹/₂" (165mm)
Polypropylene cone
Mounting depth: 2⁵/₈" (66.5mm)
Voice-coil diameter: 1" (25mm)
Magnet: 3²⁵/₆₄" (86mm)
1" Mylar inverted dome tweeter
Separated pre wired crossover (12dB/oct)
Max.power: 120W
Nom.power: 60W RMS
Sensitivity (2.83V/1m): 91.5dB
Frequency response: 60Hz-21kHz
Accessories: grilles, bindings and screws supplied



PERFORMANCE AUDITOR

Subwoofers & Amplifier

NEW

RSB-250

Subwoofer
Diameter: 10" (250mm)
Polypropylene cone
Mounting depth: 5¹⁹/₃₂" (117mm)
Dual voice-coil: 4+4Ω
Voice-coil diameter: 2" (50mm)
Magnet: 5¹/₂" (140mm)
Max.power: 500W
Nom.power: 250W RMS
Sensitivity (2.83 V/1m): 88dB
Frequency response: 35Hz-500Hz



NEW

RSB-300

Subwoofer
Diameter: 12" (300mm)
Polypropylene cone
Mounting depth: 5¹⁹/₃₂" (142mm)
Dual voice-coil: 4+4Ω
Voice-coil diameter: 2" (50mm)
Magnet: 5¹³/₆₄" (144mm)
Max.power: 600W
Nom. power: 300W RMS
Sensitivity (2.83V/1m): 90dB
Frequency response: 30Hz-500Hz



NEW

AP-4340

4/3/2-CHANNEL A/B CLASS AMPLIFIER
RCA inputs
CEA Power (4Ω): 4x70W RMS
Max.power (2Ω): 4x95W RMS
Max.power (bridged 4Ω): 2x190W 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): 13²⁵/₆₄"x2"x9¹/₁₆" (340x50x235mm)



INTEGRATION

Instant gratification

Do you have a car and like listening to music?
Do you want to improve its original audio system while keeping a discreet and perfectly integrated sound solution.
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** line, 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.



D1

PLUG & PLAY
Dedicated to your car

D2

UNIVERSAL
Total integration of Focal sound in your car

INTEGRATION **PLUG & PLAY**

TOYOTA® 2-way component + coaxial kits

IS 165 TOY

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)
Fiberglass cone
Aluminum 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 690 TOY

2-way component kit
Cars compatibility: Prius, Camry, Tacoma, Tundra, Alphard, FJ Cruiser...
The tweeter needs to be adapted in factory location (fixing, glueing...)
Diameter: 6"x9"
Fiberglass cone
Aluminum 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 690 TOY

2-way coaxial kit
Cars compatibility*: Prius, Camry, Tacoma, Tundra, Alphard, FJ Cruiser...
Diameter: 6"x9"
Fiberglass cone
Aluminum 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 165 TOY

2-way coaxial kit
Cars compatibility*: Corolla, Yaris, Auris, Innova, Fortuner, Avanza, Altis, Hi-Lux, and for rear installation
Diameter: 6 1/2" (165mm)
Fiberglass cone
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.

INTEGRATION **PLUG & PLAY**

VOLKSWAGEN® 2-way component + coaxial kits

IS 165 VW

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)
Fiberglass cone
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 165 VW

2-way coaxial kit
Rear or front assembly for car without tweeter factory location (Polo/Jetta...)
Diameter: 6 1/2" (165mm)
Fiberglass cone
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.

INTEGRATION **PLUG & PLAY**

PEUGEOT® - IFP 207
VOLKSWAGEN® - IFVW 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)
Polyglass cone
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/ifp207/en

IFVW Golf 6

2-way component kit
Car compatibility (Front assembly):
Golf 6 (3/5 doors)
Diameter: 6 1/2" (165mm)
Polyglass cone
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/ifvw-golf6/en

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INTEGRATION

PLUG & PLAY

BMW® 2-way component + coaxial kits + subwoofer

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)
Polyglass cone
TNB Aluminum/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/ifbmw-s/en

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)
Polyglass cone
TNB Aluminum/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/ifbmw-c/en

IFBMW-SUB.V2

Subwoofer (sold by unit)
Cars compatibility (under the front seats in ABS factory location)
- BMW 1 Series (E81/82/87/88-F20/21),
- BMW 3 Series (E90/91/92/93-F30/F31),
- BMW X1 (E84),
- BMW 5 Series (F10/F11)
Possibilities of adaptation in other models.
Diameter: 8" (200mm)
Polypropylene cone
Mounting depth: 1³⁹/₁₆" (41mm)
Power, sensitivity and frequency response
were 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)



* Upgrade for BMW® factory standard level.
Non-exhaustive list of vehicles.

BMW® is a registered trademark of BMW® group.

INTEGRATION

PLUG & PLAY

Ultra-compact amplifier

IMPULSE 4.320

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): 6⁷/₈"x2⁵/₈"x1⁷/₈" (175x66.5x47mm)
Weight: 1.2lbs (550g)



IY - AC IMPULSE 4.320

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

INTEGRATION

PLUG & PLAY

Active bass enclosures

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): 2¹³/₁₆"x13⁹/₁₆"x9¹³/₁₆" (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):
2¹³/₁₆"x13⁹/₁₆"x9¹³/₁₆"
(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



ISS 130

2-way component kit
Diameter: 5" (130mm)
Mounting depth: 1^{15/16}" (49mm)
Polyglass cone
Voice-coil diameter: 1" (25mm)
Voice-coil height: 0^{1/32}" (8.4mm)
Magnet: 2^{13/16}" (72mm)
Aluminum 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)
Polyglass cone
Voice-coil diameter: 1" (25mm)
Voice-coil height: 0^{1/16}" (7mm)
Magnet: 3^{9/16}" (90mm)
Aluminum 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 690

2-way component kit
Diameter: 6x9" (150x230mm)
Mounting depth: 3^{1/4}" (82.5mm)
Polyglass cone
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 mouting, in factory location



ISC 100

2-way coaxial kit
Diameter: 4" (100mm)
Mounting depth: 3^{15/16}" (49mm)
Polyglass cone
Voice-coil diameter: 1" (25mm)
Voice-coil height: 2^{21/64}" (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)
Polyglass cone
Voice-coil diameter: 1" (25mm)
Voice-coil height: 2^{21/64}" (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: 2" (50mm)
Polyglass cone
Voice-coil diameter: 1" (25mm)
Voice-coil height: 0^{9/32}" (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^{21/64}" (59.3mm)
Polyglass cone
Voice-coil diameter: 1" (25mm)
Voice-coil height: 0^{7/16}" (11mm)
Magnet: 3^{11/32}" (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)
Polyglass cone
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



ACCESSORIES

When you replace your factory audio system, you're bound to have high expectations in terms of acoustics. Accessories are essential components of your audio architecture for helping you to achieve the sound you want. Focal offers various solutions for meeting your amplification needs with the Hilo V2. Accessories and cables also optimise the connections between your system's elements: the head unit, the electronics and the acoustic components. They guarantee high-quality audio and ensure the safety of your hi-fi installation, and they meet your expectations in terms of hi-fi quality.

By using the appropriate accessories, you're sure to get the best out of your audio system.

Accessories

Hilo.V2

Converts a stereo amplified signal in two low-level line outputs for an amplifier.

Eliminates parasitic interferences - separated grounds
Selectable DC and AC voltages detection - full compatibility with any original manufacturer head-units.

Automatically generates a remote control signal to activate the associated amplifier can be used in passive mode without 12V power supply (In that case the remote output doesn't work).

HILO.V2



HIGH-LEVEL TO RCA LINE STEREO CONVERTER
Converts a stereo amplified signal in two low-level line outputs for an amplifier
Bandwidth: (+/-1dB) : 10Hz - 80kHz
Signal/Noise ratio > 100dB
Distorsion < 0.01%
DC and AC detection modes
Automatic remote output



ACCESSORIES

Cables



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

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

ER1
RCA cable
1x1m (3.3Ft)

ER5
RCA cable
1x5m (16.4Ft)

ER3
RCA cable
1x3m (9.9Ft)

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

ES15
1 roll: 15 AWG
12mx1.5mm²
(39Ft)

ES4
1 roll: 11 AWG
12mx4mm²
(39Ft)

ES25
1 roll: 13 AWG
12mx2.5mm²
(39Ft)



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: 39Ftx15 AWG
(12mx1.5mm²)

PS25
Flat speaker cable.
13 AWG/2.5mm²
High performances, easy to install.
Soft touch insulant.
Roll: 39 Ftx13 AWG
(12mx2.5mm²)

ACCESSORIES

Acoustic insulation & tools

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.A.M.

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



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

classic loudspeakers



headphones & multimedia



car audio



studio monitors



FOCAL

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