"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 and 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.
Utopia Be and K2 power technologies

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

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

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

No limit for Passion!

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

Ultima is a full active car audio kit designed and inspired by all the best drivers used in our high-end loudspeakers. A real midbass developed from the "Grande Utopia EM" midrange associated with its tweeter with IAL2 technology to drive a 2-way front component kit. To be sure to have the best flat and neutral frequency response we associated two 8” subwoofers designed for our professional monitoring system SM9. With a high air decompression from the Power Flower woofer, the distortion is reduced to the minimum and offers high dynamic. Incredible materials and all the best Focal knowledge used on this kit are not the only highlights... more than a “product” it’s a real complete full active hi-fi system... handmade in France passionately for car and music lovers. From the low bass level to the very high frequencies, the listening pleasure is given by details, neutrality and high dynamic.

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

Diameter: 2\(\frac{15}{16}\)" (75mm)
Cone technology: Pure Beryllium inverted dome
Magnet: Neodymium IAL2 motor
Max. power: 200 W (with filtering)
Nom. power: 50 W 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

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**6 W Ultima**

Diameter: 6\(\frac{11}{16}\)" (165mm)
Cone technology: Composite "W" sandwich cone
Voice coil diameter: 1\(\frac{9}{16}\)" (40mm)
Magnet: Power flower multi ferrite
Max. power: 240 W
Nom. power: 120 W 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

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**8 W Ultima**

Diameter: 8\" (200mm)
Cone technology: Composite "W" sandwich cone
Voice coil: 1\(\frac{15}{16}\)" (50mm)
Magnet: Dual ferrite
Max. power: 600 W
Nom. power: 300 W 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\(\frac{11}{16}\)" x Ø 2\(\frac{3}{8}\)" – (17cm x Ø 6cm)

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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

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Composition of the kit:
- 2xTweeters, 2xMidbass, 2xSubwoofers
Kit n°5
2-way component kit
Diameter: 5” (130mm)
Composite sandwich cone: “W”
Voice-coil: 1” (25mm)
Magnet: Neodymium
Pure Beryllium inverted dome TBe tweeter
Crossblock: 4480 filtering settings available, 2-way 12/12dB/oct
Max. power: 150 W
Nom. power: 75 W RMS
Sensitivity (2.83V/1m): 89.5 dB
Frequency response: 75Hz-40kHz
Accessories: Supplied grilles
Available in N° 5 Active version (without Crossblock)

Kit n°6
2-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, 2-way 12/12-12/12dB/oct
Max. power: 200 W
Nom. power: 100 W RMS
Sensitivity (2.83V/1m): 91.5 dB
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 12/12dB/oct
Max. power: 200 W
Nom. power: 100 W RMS
Sensitivity (2.83V/1m): 91.5 dB
Frequency response: 66Hz-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.
Utopia Be

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: 160 W
Nom. power: 80 W 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: 160 W
Nom. power: 80 W RMS
Sensitivity (2.83V/1m): 93dB
Impedance: 2Ω
Frequency response: 60Hz-30kHz
Accessories: Supplied grilles

Utopia Be

13 WS
Diameter: 5" (130mm) compact
Composite sandwich cone: “W”, mounting at the front of the vehicle
Use in sealed box from 3 to 7 liters (0.106-0.247 ft³)
Magnet: Neodymium
Max. power: 150 W
Nom. power: 75 W 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
Diameter: 8" (210mm)
Composite sandwich cone: “W”
Use in sealed or vented box from 15 to 30 liters (0.530-1.059 ft³)
Magnet: Multiferite
Max. power: 500 W
Nom. power: 250 W 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
Diameter: 13" (330mm)
Composite sandwich cone: “W”
Use in sealed or vented box from 35 to 45 liters (1.236-1.589 ft³)
Magnet: Multiferite
Max. power: 800 W
Nom. power: 400 W RMS
Sensitivity (2.83V/1m): 92dB
Frequency response: 27Hz*-500Hz
Voice-coil: 3 1/16" (77mm)
Impedance: 4Ω
*Depends on load

Subwoofers
Focal Power Symmetric

**FPS 4160**
- Power amplifier: 4-channel
- 2Ω compatible (stereo)
- AB class
- CEA power into 4Ω: 4x120 W RMS
- Power into 2Ω: 4x200 W RMS
- Power in bridged mode into 4Ω: 2x380 W RMS
- Adjustable high-pass, low-pass and bandpass crossovers: 50Hz-5kHz
- Frequency response: 10Hz-2kHz
- Remote control supplied
- Direct mode
- High-Cap not supplied

**FPS 2300 RX**
- Power amplifier: 2-channel
- 10 compatible (stereo)
- AB class
- CEA power into 4Ω: 2x155 W RMS
- Power into 2Ω: 2x265 W RMS
- Power in bridged mode into 4Ω: 1x530 W RMS
- Adjustable high-pass, low-pass and bandpass crossovers: 50Hz-5kHz
- Frequency response: 10Hz-2.5kHz
- Remote control supplied
- Direct mode
- High-Cap not supplied

**FPS 2160**
- Power amplifier: 2-channel
- 2Ω compatible (stereo)
- AB class
- CEA power into 4Ω: 2x105 W RMS
- Power into 2Ω: 2x180 W RMS
- Power in bridged mode into 4Ω: 1x360 W 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
- 10 compatible
- D class
- CEA power into 4Ω: 1x590 W RMS
- Power into 2Ω: 1x1000 W RMS
- Power into 1Ω: 1x1500 W 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: 1x225 W RMS
- Power into 2Ω: 1x450 W RMS
- Power into 1Ω: 1x810 W 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)
**EK35**

2AWG
Soft touch high flexibility power supply cable
5.20m (17Ft) x 35mm² (3087 strands)
100% OFC
Gold-plated, prewired fusebox and mounted with 200A fuse digital power screen
Ground cable: 0.70m (2.3Ft)
Remote cable: 5m (16Ft)
RCA cable (ER5): 5m (16Ft)
Accessory pack

Two “ready to play” kits for the installation of the ELITE “FPS” power amplifier range.

Power supply cables and RCA extension with “High Flexible PVC Soft Touch” technology 100% Oxygen Free Copper (OFC) conductor.

**EK21**

4AWG
Soft touch high flexibility power supply cable
5.20m (17Ft) x 21mm² (1862 strands)
100% OFC
Gold-plated, prewired fusebox and mounted with 150A fuse
Ground cable: 0.70m (2.3Ft)
Remote cable: 5m (16Ft)
RCA cable (ER5): 5m (16Ft)
Accessory pack

Cables

**ER1**
1x1m RCA cable
3.3Ft

**ER3**
1x3m RCA cable
9.9Ft

**ER5**
1x5m RCA cable
16.4Ft

**ER05**
2x0.5m RCA cable
2x1.64Ft

**ES15**
1 roll:
12mx1.5mm²
39ft / 15 AWG

**ES25**
1 roll:
12mx2.5mm²
39ft / 13 AWG

**ES4**
1 roll:
12mx4mm²
39ft / 11 AWG

Stereo, high performance RCA cables for amplifiers.
Insulator: “Flexible PVC Soft Touch”.
100% Oxygen Free Copper (OFC) conductor
Triple shielding (reduction of external interference).

High performance cables for speakers
100% Oxygen Free Copper (OFC) conductor.
**K2 Power**

**130 KRC**
2-way coaxial kit  
- Diameter: 5” (130mm)  
- Mounting depth: 2²/₃” (66.6mm)  
- Voice-coil diameter: 1” (25mm)  
- Magnet: 3¹/₃” (85mm)  
- Aramid fiber inverted dome  
- Separated crossover: 12dB/oct (5.3kHz)  
- Adjustable tweeters level  
- Max. power: 140 W  
- Nom. power: 70 W RMS  
- Sensitivity (2.83V/1m): 92dB  
- Frequency response: 70Hz-20kHz  
- Impedance: 4Ω  
- Accessories: Supplied grilles

**165 KRC**
2-way coaxial kit  
- Diameter: 6⅜” (165mm)  
- Mounting depth: 3” (76.5mm)  
- Voice-coil diameter: 1” (25mm)  
- Magnet: 3¹/₃” (85mm)  
- Aramid fiber inverted dome  
- Separated crossover: 12dB/oct (5.3kHz)  
- Adjustable tweeters level  
- Max. power: 160 W  
- Nom. power: 80 W RMS  
- Sensitivity (2.83V/1m): 93dB  
- Frequency response: 60Hz-20kHz  
- Impedance: 4Ω  
- Accessories: Supplied grilles

**100 KRS**
2-way component kit  
- Diameter: 4” (100mm)  
- Mounting depth: 1¹/₂” (39mm)  
- Voice-coil diameter: 1” (25mm)  
- Magnet: Neodymium inverted dome TNK tweeter  
- Separated crossover: 12dB/oct (3.5kHz)  
- Adjustable tweeter and midrange levels  
- Max. power: 100 W  
- Nom. power: 50 W RMS  
- Sensitivity (2.83V/1m): 90dB  
- Frequency response: 120Hz-20kHz  
- Impedance: 4Ω  
- Accessories: Supplied grilles

**165 KR**
2-way component kit  
- Diameter: 6⅜” (165mm)  
- Mounting depth: 3” (73mm)  
- Voice-coil diameter: 1” (25mm)  
- Magnet: 3¹/₃” (85mm)  
- TNK inverted dome tweeter  
- Separated crossover: 12dB/oct (3.5kHz)  
- Adjustable tweeter and midrange levels  
- Max. power: 160 W  
- Nom. power: 80 W RMS  
- Sensitivity (2.83V/1m): 93dB  
- Frequency response: 70Hz-20kHz  
- Impedance: 4Ω  
- Accessories: Supplied grilles

**130 KR**
2-way component kit  
- Diameter: 5” (130mm)  
- Mounting depth: 2⅜” (65.6mm)  
- Voice-coil diameter: 1” (25mm)  
- Magnet: Neodymium  
- Inverted dome TNK tweeter  
- Separated crossover: 12/12dB/oct (3.5kHz)  
- Adjustable tweeter and midrange levels  
- Max. power: 140 W  
- Nom. power: 70 W RMS  
- Sensitivity (2.83V/1m): 92dB  
- Frequency response: 70Hz-20kHz  
- Impedance: 4Ω  
- Accessories: Supplied grilles

**165 KR2**
2-way component kit  
- Diameter: 6⅜” (165mm)  
- Mounting depth: 3” (73mm)  
- Voice-coil diameter: 1” (25mm)  
- Magnet: 3¹/₃” (85mm)  
- TNK inverted dome tweeter  
- Separated crossover: 12-12/18dB/oct (4kHz)  
- Adjustable tweeters level  
- Max. power: 160 W  
- Nom. power: 80 W RMS  
- Sensitivity (2.83V/1m): 93dB  
- Frequency response: 70Hz-20kHz  
- Impedance: 4Ω  
- Accessories: Supplied grilles
165 KRXS
2-way component kit
Diameter: 6\(\frac{3}{4}\)" (165mm)
Mounting depth: 2\(\frac{3}{4}\)" (65.5mm)
Voice-coil diameter: 1\(\frac{1}{4}\)" (32mm)
Magnet: Neodymium
TN53K inverted dome tweeter
Separated crossover: Full/12-18/18dB/oct (3.8kHz)
Adjustable tweeters and midranges levels
Max. power: 120 W
Nom. power: 60 W RMS
Sensitivity (2.83V/1m): 94dB
Frequency response: 75Hz-20kHz
Impedance: 4Ω
Accessories: Supplied Grilles

165 KRX2
2-way component kit
Diameter: 6\(\frac{3}{4}\)" (165mm)
Mounting depth: 3\(\frac{1}{8}\)" (77.3mm)
Voice-coil diameter: 1\(\frac{1}{4}\)" (40mm)
Magnet: 4" (100mm)
TN53K inverted dome tweeter
Separated crossover: Full/12/18dB/oct (4.7kHz)
Adjustable tweeters and midranges levels
Max. power: 200 W
Nom. power: 100 W RMS
Sensitivity (2.83V/1m): 93dB
Frequency response: 70Hz-20kHz
Impedance: 2Ω
Accessories: Supplied grilles

165 KRX3
3-way component kit
Diameter: 6\(\frac{3}{4}\)" (165mm)
Mounting depth: 3\(\frac{1}{8}\)" (78.8mm)
Voice-coil diameter: 1\(\frac{1}{4}\)" (40mm)
Magnet: 4\(\frac{3}{4}\)" (120mm)
Midrange: 3\(\frac{3}{4}\)" (80mm)
Voice-coil: 1" (25mm)
Magnet: Neodymium
TN53K inverted dome tweeter
Separated crossover: 162 possible adjustments
Max. power: 200 W
Nom. power: 100 W RMS
Sensitivity (2.83V/1m): 93dB
Frequency response: 45Hz-20kHz
Impedance: 2Ω
Accessories: Supplied grilles

165 KRXS
2-way component kit
Diameter: 6\(\frac{3}{4}\)" (165mm)
Mounting depth: 2\(\frac{3}{4}\)" (65.5mm)
Voice-coil diameter: 1\(\frac{1}{4}\)" (32mm)
Magnet: Neodymium
TN53K inverted dome tweeter
Separated crossover: Full/12-18/18dB/oct (3.8kHz)
Adjustable tweeters and midranges levels
Max. power: 120 W
Nom. power: 60 W RMS
Sensitivity (2.83V/1m): 94dB
Frequency response: 75Hz-20kHz
Impedance: 4Ω
Accessories: Supplied Grilles

165 KRX2
2-way component kit
Diameter: 6\(\frac{3}{4}\)" (165mm)
Mounting depth: 3\(\frac{1}{8}\)" (77.3mm)
Voice-coil diameter: 1\(\frac{1}{4}\)" (40mm)
Magnet: 4" (100mm)
TN53K inverted dome tweeter
Separated crossover: Full/12/18dB/oct (4.7kHz)
Adjustable tweeters and midranges levels
Max. power: 200 W
Nom. power: 100 W RMS
Sensitivity (2.83V/1m): 93dB
Frequency response: 70Hz-20kHz
Impedance: 2Ω
Accessories: Supplied grilles

165 KRX3
3-way component kit
Diameter: 6\(\frac{3}{4}\)" (165mm)
Mounting depth: 3\(\frac{1}{8}\)" (78.8mm)
Voice-coil diameter: 1\(\frac{1}{4}\)" (40mm)
Magnet: 4\(\frac{3}{4}\)" (120mm)
Midrange: 3\(\frac{3}{4}\)" (80mm)
Voice-coil: 1" (25mm)
Magnet: Neodymium
TN53K inverted dome tweeter
Separated crossover: 162 possible adjustments
Max. power: 200 W
Nom. power: 100 W RMS
Sensitivity (2.83V/1m): 93dB
Frequency response: 45Hz-20kHz
Impedance: 2Ω
Accessories: Supplied grilles

27 KX
Diameter: 11" (270mm)
High power handling
Use in sealed box from 20 to 40 liters (0.706-1.413\(\text{Ft}^3\))
Max. power: 600 W
Nom. power: 300 W RMS
Sensitivity (2.83V/1m): 98dB
Long throw butyl surround
Frequency response: 35Hz-1500Hz
Voice-coil: 2\(\frac{3}{4}\)" (65mm)
Impedance: 4Ω
*Depends on load

33 KX
Diameter: 13" (330mm)
High power handling
Use in sealed box from 30 to 50 liters (1.059-1.766\(\text{Ft}^3\))
Max. power: 800 W
Nom. power: 400 W RMS
Sensitivity (2.83V/1m): 98dB
Long throw butyl surround
Frequency response: 30Hz-1000Hz
Double voice-coil: 2\(\frac{3}{4}\)" (65mm)
Impedance: 2x2Ω
*Depends on load

40 KX
Diameter: 16" (400mm)
High power handling
Use in sealed box from 40 to 80 liters (1.413-2.825\(\text{Ft}^3\))
Max. power: 1000 W
Nom. power: 500 W RMS
Sensitivity (2.83V/1m): 92.5dB
Long throw butyl surround
Frequency response: 25Hz-1000Hz
Double voice-coil: 2\(\frac{3}{4}\)" (65mm)
Impedance: 2x2Ω
*Depends on load
Flax Technology

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

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

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

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

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

Flax sandwich cone
6½" (165 mm) woofer cone conception

Glass fibre 0,04 mm
Flax 0,4 mm
Glass fibre 0,04 mm

Patent n° WO2014/106713A1
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 1/3" (85mm)
Processed Aluminum/Magnesium inverted dome tweeter
Cone: Flax
Separated crossover: 12-12dB/Oct
Adjustable tweeter level: 0; -3dB/Oct
Max. power: 120 W
Nom. power: 60 W 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 9/6" (15mm)
Magnet: 3 9/6" (90mm)
Processed Aluminum/Magnesium inverted dome tweeter
Cone: Flax
Separated crossover: 12-12dB/Oct
Adjustable tweeter level: 0; -3dB/Oct
Max. power: 140 W
Nom. power: 70 W 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 5/16" (77mm)
Voice-coil diameter: 1 1/4" (32mm)
Voice-coil height: 0" (15mm)
Magnet: 3" (90mm)
Processed Aluminum/Magnesium inverted dome tweeter
Cone: Flax
Separated crossover: 12-12dB/Oct
Adjustable tweeter level: 0; -3dB/Oct
Max. power: 160 W
Nom. power: 80 W RMS
Sensitivity (2.83V/1m): 91.4dB
Frequency response: 75Hz-28kHz
Accessories: Supplied grilles

PS 165F3
3-way component kit
Woofer diameter: 6 1/2" (165mm)
Woofer mounting depth: 3 1/8" (77mm)
Midrange diameter: 3" (80mm)
Midrange mounting depth: 1 15/16" (33.5mm)
Wofer magnet: 3" (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: 160 W
Nom. power: 80 W RMS
Sensitivity (2.83V/1m): 91.5dB
Frequency response: 55Hz-28kHz
Accessories: Supplied grilles
**PS 130**

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

**PS 165**

2-way component kit
- Diameter: 6" (165mm)
- Mounting depth: 2" (65.5mm)
- Voice-coil diameter: 1" (25mm)
- Voice-coil height: 0" (11mm)
- Magnet: 3" (80mm)
- Processed Aluminum inverted dome tweeter
- Cone: Polyglass
- Separated crossover: 0; -3; -6 dB
- Max. power: 160 W
- Nom. power: 80 W 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" (61.5mm)
- Voice-coil diameter: 1" (25mm)
- Voice-coil height: 0" (9.5mm)
- Magnet: 2" (72mm)
- Processed Aluminum inverted dome rotating tweeter
- Cone: Polyglass
- Integrated crossover: 6dB/oct
- Max. power: 100 W
- Nom. power: 50 W 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" (56.5mm)
- Voice-coil diameter: 1" (25mm)
- Voice-coil height: 0" (11mm)
- Magnet: 3" (80mm)
- Processed Aluminum inverted dome rotating tweeter
- Cone: Polyglass
- Integrated crossover: 6dB/oct
- Max. power: 120 W
- Nom. power: 60 W RMS
- Sensitivity (2.83V/1m): 91.6dB
- Impedance: 4Ω
- Frequency response: 80Hz-20kHz
- Accessories: Supplied grilles

**PC 165**

2-way coaxial kit
- Diameter: 6" (165mm)
- Mounting depth: 2" (65.5mm)
- Voice-coil diameter: 1" (25mm)
- Voice-coil height: 0" (11mm)
- Magnet: 3" (80mm)
- Processed Aluminum inverted dome rotating tweeter
- Cone: Polyglass
- Integrated crossover: 6dB/oct
- Max. power: 160 W
- Nom. power: 80 W RMS
- Sensitivity (2.83V/1m): 93.6dB
- Impedance: 4Ω
- Frequency response: 60Hz-20kHz
- Accessories: Supplied grilles

**Expert**

2-way component kits

**Coaxial kits**
**PC 710**

3-way coaxial kit

- **Woofer:** 7x10” (178x254mm)
- **Mounting depth:** 4 1/4” (108mm)
- **Voice-coil diameter:** 1 3/4” (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:** 200 W
- **Nom. power:** 100 W RMS
- **Sensitivity (2.83V/1m):** 92dB
- **Frequency response:** 50Hz-20kHz
- **Impedance:** 4Ω
- **Accessories:** grilles and 6x9” spacer

---

**SB P 25**

- **Diameter:** 10” (250mm)
- **Dimensions (HxWxD):** 15 5/8”x12 7/8”x14 1/4” (390x330x377.5mm)
- **Voice-coil diameter:** 2” (50mm)
- **Voice-coil height:** 0 3/4” (18.5mm)
- **Magnet:** 5 7/8” (145mm)
- **Max. power:** 500 W
- **Nom. power:** 250 W RMS
- **Sensitivity (2.83V/1m):** 90.2dB
- **Frequency response:** 42Hz-500Hz
- **Impedance:** 4Ω

---

**SB P 30**

- **Diameter:** 12” (300mm)
- **Dimensions (HxWxD):** 17 15/16”x15 7/8”x18 1/8” (440x400x460.8mm)
- **Voice-coil diameter:** 2” (50mm)
- **Voice-coil height:** 0 3/4” (18.5mm)
- **Magnet:** 5 7/8” (145mm)
- **Max. power:** 600 W
- **Nom. power:** 300 W RMS
- **Sensitivity (2.83V/1m):** 90.8dB
- **Frequency response:** 40Hz-500Hz
- **Impedance:** 4Ω
**Expert**

**Subwoofers**

**P 20 F**
- Diameter: 8" (200mm)
- Single voice coil: 1½” (Ø 38mm), 4Ω
- Sealed enclosure: 0.35 to 0.53 cu ft (10 to 15 liters)
- Ported enclosure: 0.35 to 0.70 cu ft (10 to 20 liters)
- Double Ferrite magnet: 6⅞” (120mm)
- Flax cone
- Max. power: 500 W
- Nom. power: 250 W RMS
- Sensitivity (2.83V/1m): 82.5dB
- Frequency response: 39Hz-500Hz

**P 25 F**
- Diameter: 10" (250mm)
- Single voice coil: 2” (Ø 50mm), 4Ω
- Sealed enclosure: 0.35 to 0.88 cu ft (10 to 25 liters)
- Ported enclosure: 0.88 to 1.20 cu ft (25 to 35 liters)
- Double Ferrite magnet: 5⅞” (145mm)
- Flax cone
- Max. power: 600 W
- Nom. power: 300 W RMS
- Sensitivity (2.83V/1m): 85dB
- Frequency response: 33Hz-500Hz

**P 30 F**
- Diameter: 12" (300mm)
- Single voice coil: 2” (Ø 50mm), 4Ω
- Sealed enclosure: 1.06 to 1.40 cu ft (30 to 40 liters)
- Ported enclosure: 1.4 to 2.10 cu ft (40 to 60 liters)
- Double Ferrite magnet: 511/16” (145mm)
- Flax cone
- Max. power: 800 W
- Nom. power: 400 W RMS
- Sensitivity (2.83V/1m): 86.7dB
- Frequency response: 27Hz-500Hz

**Sub P 25 DB**
- Diameter: 10" (250mm)
- Dual voice-coil
- Voice-coil diameter: 2" (50mm)
- Voice-coil height: 1” (25mm)
- Magnet: 5⅞” (145mm)
- Polypropylene cone
- Max. power: 500 W
- Nom. power: 250 W 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: 2⅜” (60mm)
- Voice-coil height: 1½” (38mm)
- Magnet: 5⅞” (145mm)
- Polypropylene cone
- Max. power: 600 W
- Nom. power: 300 W RMS
- Sensitivity (2.83V/1m): 93.4dB
- Frequency response: 27Hz-500Hz
- Impedance: 4Ω
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 3/16” x 23 5/8” x 8 1/4” (310x600x210mm)

Front channels:
Power (4Ω): 2x65 W RMS
2Ω stable
Frequency response: 45Hz to 22kHz

Subwoofer:
Power (4Ω): 1x165 W 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°)

Thanks to many innovative solutions, highest audio performances and compactness are now living together. DSA 500 RT is a real powerful 2.1 digital system including:

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

Thanks to "FOCAL MANAGER RT", anybody can share or download the most appropriate preset. Beginners can meet experienced users through a dedicated webservice.
**FD 4.350**

4/3/2-channel D Class amplifier

High-level inputs with auto-detection / RCA

Low-level inputs

CEA power (4Ω): 4x58 W RMS

Power max (2Ω): 4x100 W RMS

Power max (4Ω bridged): 2x200 W RMS

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

Full range mode

Protects: Short-circuit / low impedance / reversal of polarity / DC / power drop / overheating protection

Dimensions (LxHxW):

7 13/16" x 1 11/16" x 4 1/4" (199x43x108mm)

Weight: 1.8 lbs (850g)

---

**FD 2.350**

Stereo D Class bridgeable amplifier

High-level inputs with auto-detection / RCA

Low-level inputs

CEA power (4Ω): 2x105 W RMS

Power max (2Ω): 2x170 W RMS

Power max (4Ω bridged): 1x360 W RMS

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

Full range mode

Bass boost (0-12dB)

Protects: Short-circuit / low impedance / reversal of polarity / DC / power drop / overheating protection

Dimensions (LxHxW):

7 13/16" x 1 11/16" x 4 1/4" (199x43x108mm)

Weight: 1.8 lbs (850g)

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**FD 1.350**

Mono D Class amplifier with dual output

High-level inputs with auto-detection / RCA

Low-level inputs

CEA power (4Ω): 1x210 W RMS

Power max (2Ω): 1x350 W RMS

Low-pass crossover: 40Hz-400Hz

Progressive phase adjustment (0-180°)

Bass boost (0/6/12dB)

Protects: Short-circuit / low impedance / reversal of polarity / DC / power drop / overheating protection

Dimensions (LxHxW):

7 13/16" x 1 11/16" x 4 1/4" (199x43x108mm)

Weight: 1.8 lbs (850g)
<table>
<thead>
<tr>
<th>Model</th>
<th>Component Kit</th>
<th>Diameter</th>
<th>Mounting Depth</th>
<th>Voice Coil Diameter</th>
<th>Voice Coil Height</th>
<th>Magnet Diameter</th>
<th>Tweeter Type</th>
<th>Adjustable Tweeter Level</th>
<th>Separated Crossover</th>
<th>Max. Power</th>
<th>Nom. Power (RMS)</th>
<th>Sensitivity (2.83V/1m)</th>
<th>Frequency Response</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>130 AS</td>
<td>2-way</td>
<td>5” (130mm)</td>
<td>2 1/8” (54.7mm)</td>
<td>1” (25mm)</td>
<td>0 7/16” (11mm)</td>
<td>3 1/3” (85mm)</td>
<td>Aluminum inverted dome</td>
<td>3 positions (-3/0/+3dB)</td>
<td>12/12 dB/oct (5KHz)</td>
<td>100 W</td>
<td>50 W</td>
<td>89.3dB</td>
<td>70Hz-20kHz</td>
<td>Supplied grilles</td>
</tr>
<tr>
<td>165 AS</td>
<td>2-way</td>
<td>6 1/2” (165mm)</td>
<td>2 1/4” (62.9mm)</td>
<td>1” (25mm)</td>
<td>0 7/16” (11mm)</td>
<td>3 1/3” (85mm)</td>
<td>Aluminum inverted dome</td>
<td>3 positions (-3/0/+3dB)</td>
<td>12/12 dB/oct (5KHz)</td>
<td>120 W</td>
<td>60 W</td>
<td>91.3dB</td>
<td>60Hz-20kHz</td>
<td>Supplied grilles</td>
</tr>
<tr>
<td>165 AS3</td>
<td>3-way</td>
<td>6 1/2” (165mm)</td>
<td>1 1/2” (38mm)</td>
<td>1” (25mm)</td>
<td>0 7/16” (11mm)</td>
<td>3 1/3” (85mm)</td>
<td>Aluminum inverted dome</td>
<td>3 positions (-3/0/+3dB)</td>
<td>6/12 dB/oct (5KHz)</td>
<td>160 W</td>
<td>80 W</td>
<td>90dB</td>
<td>55Hz-20kHz</td>
<td>Supplied grilles</td>
</tr>
<tr>
<td>100 AC</td>
<td>2-way coaxial</td>
<td>4” (100mm)</td>
<td>2 1/4” (62.2mm)</td>
<td>1” (25mm)</td>
<td>0 7/16” (11mm)</td>
<td>2 1/2” (72mm)</td>
<td>Aluminum inverted dome</td>
<td>Integrated crossover: (4.7KHz) 6dB/oct</td>
<td>Max. power: 90 W</td>
<td>Nom. power: 40 W RMS</td>
<td>87.2dB</td>
<td>70Hz-20kHz</td>
<td>Supplied grilles</td>
<td></td>
</tr>
<tr>
<td>130 AC</td>
<td>2-way coaxial</td>
<td>5” (130mm)</td>
<td>2 1/8” (54.7mm)</td>
<td>1” (25mm)</td>
<td>0 7/16” (11mm)</td>
<td>3 1/3” (85mm)</td>
<td>Aluminum inverted dome</td>
<td>Integrated crossover: (4.7KHz) 6dB/oct</td>
<td>Max. power: 100 W</td>
<td>Nom. power: 50 W RMS</td>
<td>89.3dB</td>
<td>70Hz-20kHz</td>
<td>Supplied grilles</td>
<td></td>
</tr>
<tr>
<td>165 AC</td>
<td>2-way coaxial</td>
<td>6 1/2” (165mm)</td>
<td>2 1/4” (62.9mm)</td>
<td>1” (25mm)</td>
<td>0 7/16” (11mm)</td>
<td>3 1/3” (85mm)</td>
<td>Aluminum inverted dome</td>
<td>Integrated crossover: (4.7KHz) 6dB/oct</td>
<td>Max. power: 120 W</td>
<td>Nom. power: 60 W RMS</td>
<td>91dB</td>
<td>60Hz-20kHz</td>
<td>Supplied grilles</td>
<td></td>
</tr>
</tbody>
</table>
Access

**570 AC**
- 2-way coaxial kit
- Woofer: 5x7” (130x180mm)
- Mounting depth: 3 1/16” (81.7mm)
- Voice-coil height: 0 7/16” (11mm)
- Magnet: 3 9/16” (90mm)
- Tweeter: Aluminum inverted dome
- Cone: DFS® (Dual Fiberglass Structure)
- Integrated crossover: (4.7Khz) 6dB/oct
- Max. power: 120 W
- Nom. power: 60 W RMS
- Sensitivity (2.83V/1m): 88.65dB
- Frequency response: 65Hz-20kHz
- Accessories: Without grille

**690 AC**
- 2-way coaxial kit
- Woofer: 6x9” (164x235mm)
- Mounting depth: 3 1/16” (81.7mm)
- Voice-coil diameter: 1 3/16” (30mm)
- Voice-coil height: 0 11/16” (11mm)
- Magnet: 3 9/16” (90mm)
- Tweeter: Aluminum inverted dome
- Cone: DFS® (Dual Fiberglass Structure)
- Integrated crossover: (4.7Khz) 6dB/oct
- Max. power: 150 W
- Nom. power: 75 W 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 (LxHxL): 17 11/16”x9 15/16”x 12 11/16” (439x244x323mm)
- Max. power: 300 W
- Nom. power: 150 W RMS
- Phase selector: 0-180°
- Adjustable frequency cut off: 45 Hz - 120 Hz
- Frequency response: 20Hz-125Hz

**Sub 25A4**
- Diameter: 10” (250 mm)
- 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: 600 W
- Nom Power: 200 W RMS
- Sensitivity (2.83 V1 m): 85dB
- Frequency response: 36Hz - 500Hz

**Sub 30A4**
- Diameter: 12” (300 mm)
- 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: 500 W
- Nom Power: 250 W RMS
- Sensitivity (2.83 V1 m): 87dB
- Frequency response: 32Hz - 500Hz

Coaxial kits

Subwoofer and Bass enclosures
### R-100C
2-way coaxial kit  
Diameter: 4" (100mm)  
Mounting depth: 1 1/4" (32mm)  
Voice-coil diameter: 1" (25mm)  
Voice-coil height: 0 7/16" (11mm)  
Magnet: 1 1/2" (38mm)  
Mylar tweeter  
Polypropylene cone  
Max.power: 60 W  
Nom.power: 30 W RMS  
Sensitivity (2.83V/1m): 87dB  
Frequency response: 60Hz - 20kHz  
Accessories: Supplied grilles

### R-570C
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 1/3" (85mm)  
Mylar tweeter  
Polypropylene cone  
Max.power: 120 W  
Nom.power: 50 W RMS  
Sensitivity (2.83V/1m): 91dB  
Frequency response: 60Hz - 20kHz  
Without grille

### R-130C
2-way coaxial kit  
Diameter: 6" (152mm)  
Mounting depth: 3 3/8" (84.5mm)  
Voice-coil diameter: 1 3/16" (25mm)  
Voice-coil height: 0 7/16" (11mm)  
Magnet: 4 1/3" (110mm)  
Mylar tweeter  
Polypropylene cone  
Max.power: 160 W  
Nom.power: 60 W RMS  
Sensitivity (2.83V/1m): 91dB  
Frequency response: 60Hz - 20kHz  
Accessories: Supplied grilles

### R-690C
3-way coaxial kit  
Diameter: 6 1/2" (165mm)  
Mounting depth: 2 5/8" (67.5mm)  
Voice-coil diameter: 1 3/8" (35mm)  
Voice-coil height: 0 7/16" (11mm)  
Magnet: 4 1/3" (110mm)  
Mylar tweeter  
Polypropylene cone  
Max.power: 160 W  
Nom.power: 80 W RMS  
Sensitivity (2.83V/1m): 92dB  
Frequency response: 50Hz - 20kHz  
Accessories: Supplied grilles
### 2-way component kits

#### R-130S2
2-way component kit
- Diameter: 5" (130mm)
- Mounting depth: 2 13/16" (65.5mm)
- Voice-coil diameter: 1" (25mm)
- Voice-coil height: 0 7/16" (11mm)
- Magnet: 3 1/3" (85mm)
- Silk/Aluminum Tweeter
- Polypropylene cone
- Separated pre wired crossover (12db/oct)
- Max.power: 100 W
- Nom.power: 50 W RMS
- Sensitivity (2.83V/1m): 90dB
- Frequency response: 65Hz - 20kHz
- Accessories: Supplied grilles

#### R-165S2
2-way component kit
- Diameter: 6 15/32" (165mm)
- Mounting depth: 2 27/32" (66.5mm)
- Voice-coil diameter: 1" (25mm)
- Voice-coil height: 0 7/16" (11mm)
- Magnet: 3 11/16" (85mm)
- Silk/Aluminum Tweeter
- Polypropylene cone
- Separated pre wired crossover (12db/oct)
- Max.power: 120 W
- Nom.power: 60 W 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 7/8" (20mm)
- Magnet: 5 3/4" (140mm)
- Polypropylene cone
- Max.power: 500 W
- Nom.power: 250 W RMS
- Sensitivity (2.83 V/1m): 86dB
- Frequency response: 35Hz - 500Hz

#### R-300S
Subwoofer
- Diameter: 12" (300mm)
- Single Voice-coil: 4Ω
- Voice-coil diameter: 2" (50mm)
- Voice-coil height: 0 7/8" (20mm)
- Magnet: 5 3/4" (145mm)
- Polypropylene cone
- Max.power: 600 W
- Nom.power: 300 W RMS
- Sensitivity (2.83 V/1m): 90dB
- Frequency response: 35Hz - 500Hz

#### R-4280
4/3/2-channel A/B class amplifier
- RCA input
- CEA Power (4Ω): 6x70 W RMS
- Max.power (2Ω): 4x100 W RMS
- Max.power (bridged 4Ω): 2x170 W RMS
- High pass crossover (channel 1-2): 60Hz-1.2KHz
- High pass crossover (channel 3-4): 100Hz- 2.2KHz
- Low pass crossover: 50-250Hz
- Full range mode
- Frequency response: 10Hz - 30kHz
- Dimensions: (LxWxH): 13 3/4" x 2 3/4" x 9 3/4" (345x64x240mm)
**Accessories**

**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
- (2x 90° bent plugs and 2 straight plugs)
- 80A fuse-box
- Accessory pack

**PSW15**
- Flat speaker cable. 15AWG/1.5mm²
- High performances, easy to install.
- Soft touch insulant.
- Spool: 500Ftx15AWG (154mx1.5mm²)
- Workshop using

**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
- (2x 90° bent plugs and 2 straight plugs)
- 80A fuse-box
- Accessory pack

**PSW25**
- Flat speaker cable. 13AWG/2.5mm²
- High performances, easy to install.
- Soft touch insulant.
- Spool: 300Ftx13AWG (91.6mx2.5mm²)
- Workshop using

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

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

**PS25**
- Flat speaker cable. 13AWG/2.5mm²
- High performances, easy to install.
- Soft touch insulant.
- Roll: 39Ftx13AWG (12mx2.5mm²)
**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\(\frac{1}{16}\)"x236\(\frac{1}{4}\)" (50x600cm) (3m²)

**B.A.M. XL**
1 sheet 19\(\frac{1}{16}\)"x78\(\frac{3}{4}\)” (50x200cm) (1m²)

**B.A.M.**
2 sheets 8\(\frac{3}{4}\)"x11\(\frac{13}{16}\)” (21x30cm)

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

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

**Tool Set**
Set of 11 composite tools to remove door panel. The complementary product for quality car audio installations without risk of aesthetic damage.
Do you have a car and like listening to music?

The solution is here: The Integration range of systems. Quick and easy to fit, even by owners themselves, these speakers guarantee the best of Focal Sound. There are no technical or aesthetic changes to your car interior; your car headunit is not changed, your steering-wheel controls work perfectly! At the heart of the **Universal** range, every compactly sized system is very simple to fit. If you have a vehicle covered by one of our dedicated kits, the **Plug & Play** range means you can enjoy an installation 100% compatible with original-fit equipment. Forget the old, now you can hear all the difference and live the emotion that comes from quality sound.
**Plug & Play**

**IS 165TOY**  
NEW!

2-way component kit  
Cars compatibility: Corolla, Yaris, Auris, Rav 4, Innova, Fortuner ...  
The tweeter needs to be adapted in factory location (fixing, gluing...)  
Diameter: 6 ½” (165mm)  
Cone: Fiberglass  
Aluminium inverted dome compact tweeter  
Integrated crossover: 6dB/oct  
Max power: 120 W  
Nom power: 60 W RMS  
Sensitivity(2.83V/1M): 91dB  
Frequency response: 60Hz – 20Khz  
Nominal impedance: 4Ω

**IS 690TOY**  
NEW!

2-way component kit  
Cars compatibility: Prius, Camry, Tacoma, Tundra, Alphard, El Cruiser ...  
The tweeter needs to be adapted in factory location (fixing, gluing...)  
Diameter: 6 x 9”  
Cone: Fiberglass  
Aluminium inverted dome compact tweeter  
Integrated crossover: 6dB/oct  
Max power: 150 W  
Nom power: 75 W RMS  
Sensitivity(2.83V/1M): 92dB  
Frequency response: 50Hz – 20Khz  
Nominal impedance: 4Ω

**IC 690TOY**  
NEW!

2-way coaxial kit  
Cars compatibility: Prius, Camry, Tacoma, Tundra, Alphard, El Cruiser ...  
The tweeter needs to be adapted in factory location (fixing, gluing...)  
Diameter: 6 x 9”  
Cone: Fiberglass  
Aluminium inverted dome compact tweeter  
Integrated crossover: 6dB/oct  
Max power: 150 W  
Nom power: 75 W RMS  
Sensitivity(2.83V/1M): 92dB  
Frequency response: 50Hz – 20Khz  
Nominal impedance: 4Ω

**IC 165VW**  
NEW!

2-way coaxial kit  
Cars compatibility: Golf 6 / Bora / Jetta ...  
This kit can be assembled on the rear of: Golf 6 / Tigor  
The tweeter needs to be adapted in factory location (fixing, gluing...)  
Diameter: 6 ½” (165 mm)  
Cone: Fiberglass  
Aluminium inverted dome TN44 tweeter  
Integrated crossover: 6dB/oct  
Max power: 120 W  
Nom power: 60 W RMS  
Sensitivity(2.83V/1M): 92dB  
Frequency response: 60Hz – 20Khz  
Nominal impedance: 4Ω

**Plug & Play**

**IS 165VW**  
NEW!

2-way component kit  
Cars compatibility front assembly: Golf 6 / Bora / Jetta ...  
This kit can be assembled on the rear of: Golf 6 / Tigor  
The tweeter needs to be adapted in factory location (fixing, gluing...)  
Diameter: 6 ½” (165 mm)  
Cone: Fiberglass  
Aluminium inverted dome TN44 tweeter  
Integrated crossover: 6dB/oct  
Max power: 120 W  
Nom power: 60 W RMS  
Sensitivity(2.83V/1M): 92dB  
Frequency response: 60Hz – 20Khz  
Nominal impedance: 4Ω

**IC 165VW**  
NEW!

2-way coaxial kit  
Rear or front assembly for car without tweeter factory location (Polo / Jetta ...)  
Diameter: 6 ½” (165 mm)  
Cone: Fiberglass  
Aluminium inverted dome TN44 tweeter  
Integrated crossover: 6dB/oct  
Max power: 120 W  
Nom power: 60 W 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.
IFBMW-S

2-way component kit:
- BMW 1 series (E81/82/87/88/F20)*
- BMW 3 series (E90/91/F30/F31)*
- BMW 5 series (F10)*
- BMW X1 (E84)*

Diameter: 4” (100mm)
TNB Aluminium/magnesium inverted dome tweeter
Integrated crossover: 18db/oct (4kHz)
Max power: 80 W
Nom power: 40 W 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

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

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

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

IFBMW-SUB

Subwoofer (sold by unit)
Cars compatibility (under the front seats in ABS factory location)
- BMW 1 series (E81/82/87/88)*
- BMW 3 series (E90/91/F30/F31)*
- BMW X1 (E84)*

Diameter: 8” (200mm)
Cone: Polypropylene
Power, sensitivity and frequency response was measured in real car situation
Max power: 180 W
Nom power: 90 W RMS
Sensitivity (2.83V/1M): 90.5dB (8Hz)
Frequency response: 38Hz – 200Hz
Nominal impedance: 3.6Ω
Accessory: Metal grille (top cover)

* Non compatible product for last BMW models (F20/F30/F31 series).
Non-exhaustive list of vehicles (update on www.focal.com).
Plug & Play

IFP 207
2-way component kit
Cars compatibility (Front assembly):
- 207
- 307 (with technical modifications)
- 308 (with technical modifications)
Diameter: 6 ½” (165mm)
Cone: Polyglass
TNB Aluminium/magnesium inverted dome tweeter
Integrated crossover: 6/18db/oct
Max power: 140 W
Nom power: 70 W RMS
Sensitivity(2.83V/1M): 92.7dB
Frequency response: 70Hz – 25Khz

IFVW Golf 6
2-way component kit
Car compatibility (Front assembly):
- Golf 6 (3/5 doors)
Diameter: 6 ½” (165mm)
Cone: Polyglass
TNB Aluminium/magnesium inverted dome tweeter
Integrated crossover: 12/18db/oct
Max power: 150 W
Nom power: 75 W RMS
Sensitivity(2.83V/1M): 92.4dB
Frequency response: 65Hz – 25Khz

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: 150 W
Nom. power: 75 W RMS
Frequency response: 45Hz-150Hz
High-level inputs
Autopower ON
Amplification 2 front channels
Nom. power: 2x65 W RMS
Max. power: 2x110 W max.
Dimensions (HxWxD): 2 15/16”x13 3/8”x9 3/8” (71.5x344x250mm)
Plug & play cable kit with ISO connector supplied

Ibus 20
Type: Active enclosure with 8” (20cm) subwoofer
Max. power: 150 W
Nom. power: 75 W RMS
Frequency response: 45Hz-150Hz
High-level inputs
Autopower ON
Dimensions (HxWxD): 2 15/16”x13 3/8”x9 3/8” (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

Plug & Play
**ISN 100**
2-way component kit
Diameter: 4" (100mm)
Mounting depth: 17/64" (6.5mm) (42.7mm without rubber cap)
Cone: Polyglass
Voice-coil diameter: 1" (25mm)
Voice-coil height: 0" (10mm)
Magnet: Neodymium
Aluminium/magnesium inverted dome TNB tweeter
Integrated crossover (connectors): 6dB/oct (woofer) / 12dB/oct (tweeter)
Max. power: 80 W
Nom. power: 40 W 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: 21/24" (62.3mm) (49.3mm without rubber cap)
Cone: Polyglass
Voice-coil diameter: 11/16" (32mm)
Voice-coil height: 01/8" (10.5mm)
Magnet: Neodymium
Aluminium/magnesium inverted dome TNB tweeter
Integrated crossover (connectors): 6dB/oct (woofer) / 12dB/oct (tweeter)
Max. power: 100 W
Nom. power: 50 W 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

**ISS 130**
2-way component kit
Diameter: 5" (130mm)
Mounting depth: 21/24" (62.3mm) (49.3mm without rubber cap)
Cone: Polyglass
Voice-coil diameter: 11/16" (32mm)
Voice-coil height: 01/8" (10.5mm)
Magnet: Neodymium
Aluminium/magnesium inverted dome TNB tweeter
Integrated crossover (connectors): 6dB/oct (woofer) / 12dB/oct (tweeter)
Max. power: 100 W
Nom. power: 50 W 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" (165mm)
Mounting depth: 21/24" (75.1mm) (54.1mm without rubber cap)
Cone: Polyglass
Voice-coil diameter: 11/16" (32mm)
Voice-coil height: 01/8" (10.5mm)
Magnet: Neodymium
Aluminium/magnesium inverted dome TNB tweeter
Integrated crossover (connectors): 6dB/oct (woofer) / 12 dB/oct (tweeter)
Max. power: 120 W
Nom. power: 60 W RMS
Sensitivity (2.83V/1m): 92.7 dB/oct
Frequency response: 60Hz-28kHz
Accessories: tweeter support (soft touch finishing), crossover on connectors (woofer et tweeter)
Supplied without grille

**ISS 165**
2-way component kit
Diameter: 6" (165mm)
Mounting depth: 21/24" (75.1mm) (54.1mm without rubber cap)
Cone: Polyglass
Voice-coil diameter: 11/16" (32mm)
Voice-coil height: 01/8" (10.5mm)
Magnet: Neodymium
Aluminium/magnesium inverted dome TNB tweeter
Integrated crossover (connectors): 6dB/oct (woofer) / 12 dB/oct (tweeter)
Max. power: 120 W
Nom. power: 60 W RMS
Sensitivity (2.83V/1m): 92.7 dB/oct
Frequency response: 60Hz-28kHz
Accessories: tweeter support (soft touch finishing), crossover on connectors (woofer et tweeter)
Supplied without grille

**Innovation for the basket assembly!**
Assembly removable Clips included in the kit
(6 clips for "front" speaker assembly & 4 clips for "rear" assembly.
The 5" has a specific adaptable clips to be compatible with 2/3/4 holes fixing system.
Universal

**ISS 170**
2-way component kit
Made for Japanese cars
Woofers: 6½” (170mm)
Mounting depth: 2¼” (57mm)
Aluminum inverted dome tweeter
Max. power: 120 W
Nom. power: 60 W RMS
Sensitivity (2.83V/1m): 91dB
Frequency response: 60Hz-20kHz
Accessories: tweeter support, crossover on connectors, spacers and Japanese connectors, supplied without grille

**ISS 200**
2-way component kit
Diameter: 8” (200mm)
Mounting depth: 2¼” (63.5mm)
Cone: Polyglass
Voice-coil diameter: 1” (25mm)
Voice-coil height: 0¼” (12mm)
Magnet: 3⅜” (90mm)
Aluminum inverted dome tweeter
Integrated crossover (connectors): 6/6dB/oct
Max. power: 160 W
Nom. power: 80 W RMS
Sensitivity (2.83V/1m): 91.6dB
Frequency response: 40Hz-20kHz
Accessories: tweeter support, crossover on connectors, supplied without grille

**ISS 570**
2-way component kit
Diameter: 5x7” (130x180mm)
Mounting depth: 2⅞” (69.3mm)
Cone: Polyglass
Voice-coil diameter: 1” (25mm)
Voice-coil height: 0⅛” (11mm)
Magnet: 3⅜” (85mm)
Aluminum inverted dome tweeter
Integrated crossover (connectors): 6dB/oct (woofer) / 12dB/oct (tweeter)
Max. power: 120 W
Nom. power: 60 W 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: 3⅜” (82.5mm)
Cone: Polyglass
Voice-coil diameter: 1¾” (33mm)
Voice-coil height: 0⅛” (10.5mm)
Magnet: 3⅞” (90mm)
Aluminum inverted dome tweeter
Integrated crossover (connectors): 6/6dB/oct
Max. power: 160 W
Nom. power: 80 W RMS
Sensitivity (2.83V/1m): 93.6dB
Frequency response: 55Hz-20kHz
Accessories: tweeter support, crossover on connectors, supplied grilles

**Tweeter TIS 1.5**
Max. power: 100 W
Nom. power: 15 W 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\(\frac{3}{4}\)” (99mm)
Cone: Polyglass
Voice-coil diameter: 1” (25mm)
Voice-coil height: 0\(\frac{1}{16}\)” (8.4mm)
Magnet: 2\(\frac{3}{16}\)” (72mm)
Aluminum inverted dome rotating tweeter
Integrated crossover: 6 dB/oct
Max. power: 80 W
Nom. power: 40 W 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\(\frac{3}{4}\)” (49mm)
Cone: Polyglass
Voice-coil diameter: 1” (25mm)
Voice-coil height: 0\(\frac{3}{16}\)” (8.4mm)
Magnet: 2\(\frac{13}{16}\)” (72mm)
Aluminum inverted dome rotating tweeter
Integrated crossover: 6 dB/oct
Max. power: 120 W
Nom. power: 60 W RMS
Sensitivity (2.83V/1m): 91.8dB
Frequency response: 80Hz-20kHz
Supplied without grille

ISC 165
2-way coaxial kit
Diameter: 6\(\frac{1}{2}\)” (165mm)
Mounting depth: 1\(\frac{3}{4}\)” (50mm)
Cone: Polyglass
Voice-coil diameter: 1” (25mm)
Voice-coil height: 0\(\frac{1}{16}\)” (8.4mm)
Magnet: 3\(\frac{9}{16}\)” (90mm)
Processed Aluminum inverted dome rotating tweeter
Integrated crossover: 6/6 dB/oct
Max. power: 140 W
Nom. power: 70 W 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\(\frac{1}{2}\)” (59.3mm)
Cone: Polyglass
Voice-coil diameter: 1” (25mm)
Voice-coil height: 0\(\frac{7}{16}\)” (11mm)
Magnet: 3\(\frac{1}{16}\)” (85mm)
Aluminum inverted dome rotating tweeter
Integrated crossover: 6 dB/oct
Max. power: 120 W
Nom. power: 60 W 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\(\frac{1}{2}\)” (82.5mm)
Cone: Polyglass
Voice-coil diameter: 1\(\frac{3}{16}\)” (30mm)
Voice-coil height: 0\(\frac{7}{16}\)” (10.5mm)
Magnet: 3\(\frac{9}{16}\)” (90mm)
Aluminum inverted dome rotating tweeter
Integrated crossover: 6dB/oct
Max. power: 160 W
Nom. power: 80 W RMS
Sensitivity (2.83V/1m): 93.6dB
Frequency response: 55Hz-20kHz
Supplied with grille