

FOCAL INSIDE | 2020



 **FOCAL**[®]
LISTEN BEYOND



FOCAL INSIDE

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

A close-up, high-angle photograph of a car's front end. The top half shows the illuminated headlight with a warm orange glow. Below it, the dark, metallic surface of the car's body is visible, leading down to a portion of a black wheel with a silver hubcap. The background is a solid black, making the car's details stand out.

“ONE CAR, ONE AUDIO SOLUTION”

For the past forty years, Focal has been stamping its unique sound signature on high-end speaker drivers and acoustic loudspeakers. We are renowned for our innovations, which have given birth to exclusive technologies. Some of our audio solutions have become world-renowned references.

Our philosophy is to promote our expertise made in France. All our products are designed and developed in our workshops and benefit from innovations inherited from constant research in the acoustic field. The result of our patent-awarded technological heritage is a sound reproduction imbued with clarity, power and a natural quality, offering the best audio systems in their category. Our unique goal is to take you beyond sound: Listen Beyond.

A leader on the markets of hi-fi loudspeakers for the house, headphones and studio monitors, Focal is as highly regarded in the world of in-car audio. Since the 1990s, we have been offering unique audio systems and a wide range of audio kits to manufacturers, combining the pleasure of driving with the love of sound and music.

In our quest for excellence and the satisfaction of all music lovers, we have also created the Focal Inside concept. This offer allows all vehicle drivers who have not been able to benefit from a premium sound system to install a quality Focal system that meets their needs and integrates perfectly and discreetly into their car.

FOCAL[®] *INSIDE*

Focal Inside is an offer for all drivers who want access to quality, custom Plug & Play solutions that are perfectly suited to their vehicles.

From the 'simplest' kit to the most complete amplified system, the Focal Inside offer is quick and easy to install in place of the original system, without modifying the environment.

Our offer covers more than 20 car manufacturers and is compatible with over 300 vehicles. To guide you in your choice of audio system, we have developed a dedicated website. By selecting your vehicle model and desired level of customisation, you can build your sound experience and configure the solution best suited to your requirements, in just a few clicks.



Check your vehicle compatibility on:
www.focal-inside.com

01

AUDIO SOLUTIONS
BY MANUFACTURER

02

ELECTRONICS
& CABLES



FOCAL[®] INSIDE



DS AUTOMOBILES



PEUGEOT



RENAULT
Passion for life



RENAULT-SAMSUNG



SEAT

ŠKODA



smart



SUBARU



TOYOTA





1 Series	Z4
2 Series	BMW X1
3 Series	BMW X2
4 Series	BMW X3
5 Series	BMW X4
6 Series	BMW X5
7 Series	BMW X6
i3	BMW X7
i8	



- 3-door
- 5-door
- Countryman
- Clubman
- Cabrio
- Roadster
- Convertible
- Paceman



ICC BMW 100

	ICC BMW 100	IC BMW 100	IC BMW 100L	IS BMW 100
• Type	2-way coaxial center voice	2-way coaxial kit	2-way coaxial kit	2-way component kit
• Diameter	4" (100mm)	4" (100mm)	4" (100mm)	4" (100mm)
• Motor	Neodymium	Neodymium	Neodymium	Neodymium
• Cone	Black Polyglass	Black Polyglass	Black Polyglass	Black Polyglass
• Impedance	4Ω	4Ω	4Ω	4Ω
• Tweeter	Aluminium/Magnesium inverted dome tweeter	Aluminium/Magnesium inverted dome tweeter	Aluminium/Magnesium inverted dome tweeter	Aluminium/Magnesium inverted dome tweeter
• Max. power	80W	80W	80W	80W
• Nom. power	40W RMS	40W RMS	40W RMS	40W RMS
• Sensitivity (2,83 V/1 m)	89.5dB	89.5dB	89.5dB	89.5dB
• Frequency response	90Hz-23kHz	80Hz-23kHz	80Hz-23kHz	80Hz-23kHz
• Accessories	Supplied with mounting accessories	Supplied with mounting accessories	Supplied with mounting accessories	Supplied with mounting accessories



IS BMW 100L

ISUB BMW 2

ISUB BMW 4

	IS BMW 100L	ISUB BMW 2	ISUB BMW 4
• Type	2-way component kit	Subwoofer	Subwoofer
• Diameter	4" (100mm)	8" (200mm)	8" (200mm)
• Motor	Neodymium	Neodymium	Neodymium
• Cone	Black Polyglass	Black Polyglass	Black Polyglass
• Impedance	4Ω	2Ω	4Ω
• Tweeter	Aluminium/Magnesium inverted dome tweeter	–	–
• Max. power	80W	180W	180W
• Nom. power	40W RMS	90W RMS	90W RMS
• Sensitivity (2,83 V/1 m)	89.5dB	83dB	83dB
• Frequency response	80Hz-23kHz	35Hz-200Hz	35Hz-200Hz
• Accessories	Supplied with mounting accessories	Supplied with mounting accessories	Supplied with mounting accessories



KIAC 1122

Regarding BMW X5 and BMW X6 models, the use of KIAC1122 spacers is necessary.



- C3
- C4
- C4 Cactus
- Cactus
- C5 Aircross
- Berlingo
- SpaceTourer
- Jumpy



- DS3
- DS3 CROSSBACK
- DS4
- DS5
- DS7 CROSSBACK



- Grandland X
- Combo
- Zafira
- Vivaro
- Corsa F



- 206
- 207
- 208
- 307
- 308
- 407
- 508
- 2008
- 3008
- 5008
- RCZ
- Traveller
- Expert
- Rifter



IC PSA 165



IS PSA 165



IFP 207

• Type	2-way coaxial kit	2-way component kit	2-way component kit
• Diameter	6 1/2" (165mm)	6 1/2" (165mm)	6 1/2" (165mm)
• Motor	Ferrite	Ferrite	Ferrite
• Cone	Black Polyglass	Black Polyglass	Black Polyglass
• Impedance	4Ω	4Ω	4Ω
• Tweeter	Aluminium/Magnesium inverted dome tweeter	Aluminium/Magnesium inverted dome tweeter	Aluminium/Magnesium inverted dome tweeter
• Max. power	140W	140W	140W
• Nom. power	70W RMS	70W RMS	70W RMS
• Sensitivity (2,83 V/1 m)	93.2dB	92.6dB	92.7dB
• Frequency response	60Hz-20kHz	60Hz-20kHz	70Hz-25kHz
• Accessories	Supplied with mounting accessories	Supplied with mounting accessories	Supplied with mounting accessories



Sandero
Logan
Dokker
Duster
Lodgy



Talento
Talento VU



Vesta
Largus
XRAY



Micra	Frontier
March	Titan
Versa	Pathfinder
Pulsar	Murano
Juke	Navara
Kicks	NV200
Qashqai	NV300
X-Trail	NP200
Rogue	NP300



RENAULT

Twingo	Scenic
Clio	Grand Scenic
Zoe	Captur
Wind	Kadjar
Megane	Koleos
Fluence	Alaskan
Laguna	Kangoo
Latitude	Trafic
Talisman	Master
Modus	



RENAULT-SAMSUNG

SM3
SM5
SM6
SM7
QM3
QM6



Fortwo
Forfour



IC REN 130

IC RNS 165

• Type	2-way coaxial kit	2-way coaxial kit
• Diameter	5" (130mm)	6 1/2" (165mm)
• Motor	Ferrite	Ferrite
• Cone	Polyglass	Fiberglass DFS®
• Impedance	4Ω	4Ω
• Tweeter	Aluminium inverted dome tweeter	Aluminium inverted dome tweeter
• Max. power	120W	120W
• Nom. power	60W RMS	60W RMS
• Sensitivity (2,83 V/1 m)	91.8dB	91dB
• Frequency response	75Hz-20kHz	60Hz-20kHz
• Accessories	Supplied with mounting accessories	Supplied with mounting accessories



IS RNI 690

IS REN 130

IS RNS 165

• Type	2-way component kit, elliptic	2-way component kit	2-way component kit
• Diameter	6x9" (164x235mm)	5" (130mm)	6 1/2" (165mm)
• Motor	Ferrite	Neodymium	Neodymium
• Cone	Polyglass	Polyglass	Polyglass
• Impedance	4Ω	4Ω	4Ω
• Tweeter	Aluminium inverted dome tweeter	Aluminium inverted dome tweeter	Aluminium inverted dome tweeter
• Max. power	160W	100W	120W
• Nom. power	80W RMS	50W RMS	60W RMS
• Sensitivity (2,83 V/1 m)	93.6dB	91.7dB	92.7dB
• Frequency response	55Hz-21kHz	80Hz-28kHz	60Hz-28kHz
• Accessories	Supplied with mounting accessories	Supplied with mounting accessories	Supplied with mounting accessories



D-Max



CT

GX

LX

RX

ES

IS



FR-S

xB

iQ

xA

xD

tC



SUBARU

BRZ

Crosstrek

Impreza IV

WRX

Outback

Forester



TOYOTA

iQ

Etios Liva

Aygo

Yaris

Vitz

Prius

Camry I

Corolla II

Celica

GT86

SW4

RAV4

C-HR

Urban Cruiser

FJ Cruiser

Fortuner

Hilux

Tundra

Tacoma

Echo

Matrix



IC TOY 165

• Type	2-way coaxial kit
• Diameter	6 1/2" (165mm)
• Motor	Ferrite
• Cone	Black Polyglass
• Impedance	4Ω
• Tweeter	Aluminium inverted dome tweeter
• Max. power	120W
• Nom. power	60W RMS
• Sensitivity (2,83 V/1 m)	92.5dB
• Frequency response	60Hz-20kHz
• Accessories	Supplied with mounting accessories



IS TOY 690

• Type	2-way component kit, elliptic
• Diameter	6x9" (164x235mm)
• Motor	Ferrite
• Cone	Black Polyglass
• Impedance	4Ω
• Tweeter	Aluminium inverted dome tweeter
• Max. power	150W
• Nom. power	75W RMS
• Sensitivity (2,83 V/1 m)	92.3dB
• Frequency response	50Hz-20kHz
• Accessories	Supplied with mounting accessories



IS TOY 165

• Type	2-way component kit
• Diameter	6 1/2" (165mm)
• Motor	Ferrite
• Cone	Black Polyglass
• Impedance	4Ω
• Tweeter	Aluminium inverted dome tweeter
• Max. power	120W
• Nom. power	60W RMS
• Sensitivity (2,83 V/1 m)	91.7dB
• Frequency response	60Hz-20kHz
• Accessories	Supplied with mounting accessories



IS TOY 165 TWU

• Type	2-way component kit
• Diameter	6 1/2" (165mm)
• Motor	Ferrite
• Cone	Black Polyglass
• Impedance	4Ω
• Tweeter	Aluminium inverted dome tweeter
• Max. power	120W
• Nom. power	60W RMS
• Sensitivity (2,83 V/1 m)	91.7dB
• Frequency response	60Hz-20kHz
• Accessories	Supplied with mounting accessories



- Mii
- Arosa
- Ibiza
- Leon
- Altea
- Toledo

ŠKODA



- Citigo
- Fabia
- Octavia
- Superb
- Roomster



- | | |
|----------|--------|
| Lupo | Bora |
| Up! | Vento |
| Polo | Jetta |
| Beetle | Passat |
| Scirocco | Tiguan |
| Eos | Touran |
| Golf | Amarok |
| Lavida | |



IC 165 VW



IS 165 VW

• Type	2-way coaxial kit	2-way component kit
• Diameter	6 1/2" (165mm)	6 1/2" (165mm)
• Motor	Ferrite	Ferrite
• Cone	Fiberglass	Fiberglass
• Impedance	4Ω	4Ω
• Tweeter	Aluminium inverted dome tweeter	Aluminium inverted dome tweeter
• Max. power	120W	120W
• Nom. power	60W RMS	60W RMS
• Sensitivity (2,83 V/1 m)	92dB	92dB
• Frequency response	60Hz-20kHz	60Hz-20kHz
• Accessories	Supplied with mounting accessories	Supplied with mounting accessories



Road Glide

Electra
Glide

Street Glide

Batwing
fairings



HDA 165 - 98/2013

• Type	2-way component kit
• Diameter	6 1/2" (165mm)
• Motor	Ferrite
• Cone	Fiberglass DFS®
• Impedance	4Ω
• Tweeter	Compression inverted dome tweeter
• Max. power	160W
• Nom. power	80W RMS
• Sensitivity (2,83 V/1 m)	91dB
• Frequency response	70Hz-22kHz
• Accessories	Supplied with mounting accessories



HDA 165 - 2014 UP

• Type	2-way component kit
• Diameter	6 1/2" (165mm)
• Motor	Ferrite
• Cone	Fiberglass DFS®
• Impedance	4Ω
• Tweeter	Compression inverted dome tweeter
• Max. power	160W
• Nom. power	80W RMS
• Sensitivity (2,83 V/1 m)	91dB
• Frequency response	70Hz-22kHz
• Accessories	Supplied with mounting accessories



HDK 165 - 98/2013

• Type	2-way component kit
• Diameter	6 1/2" (165mm)
• Motor	Ferrite
• Cone	K2
• Impedance	2Ω
• Tweeter	M-profile inverted dome tweeter
• Max. power	250W
• Nom. power	125W RMS
• Sensitivity (2,83 V/1 m)	92.5dB
• Frequency response	60Hz-21kHz
• Accessories	Supplied with mounting accessories



HDK 165 - 2014 UP

• Type	2-way component kit
• Diameter	6 1/2" (165mm)
• Motor	Ferrite
• Cone	K2
• Impedance	2Ω
• Tweeter	M-profile inverted dome tweeter
• Max. power	250W
• Nom. power	125W RMS
• Sensitivity (2,83 V/1 m)	92.5dB
• Frequency response	60Hz-21kHz
• Accessories	Supplied with mounting accessories

ELECTRONICS & CABLES

To achieve a full and high-performing audio system, our engineers have designed and developed dedicated Focal Inside amplifiers and cables.

Thanks to the cutting-edge Focal **amplifiers**, experience how it feels to enjoy precise, controlled and stable sound in your car, all as compact as you need it to be.

• Delivering 660 watts RMS, the **FIT 9.660** ultra-compact 9-channel amplifier/DSP provides power, dynamics and depth to the sound. Enjoy the total pleasure of listening to your car audio and your favourite music. Compatible with a wide range of kits and vehicle models, this amplifier/DSP offers multiple audio configurations, easily installed via a dedicated USB port.

• The **Impulse 4.320** 4-channel digital amplifier allows your speaker drivers to express their full potential. Compact, they have a 2- or 4-channel input selector and deliver 4 x 55 watts. Perfect for improving your installation's dynamics.

Optimising the connections between car radio, electronics and acoustics, **Focal Inside cables** are an essential addition to all quality installations. Developed by our experts to offer you the choice of a bespoke system, they play a key role in your audio architecture. **Adaptation** cables, **extension** cables, **connection** cables, **direct power** cables, **impedance simulator**, and more: Focal Inside cables guarantee the performance and safety of your installation.

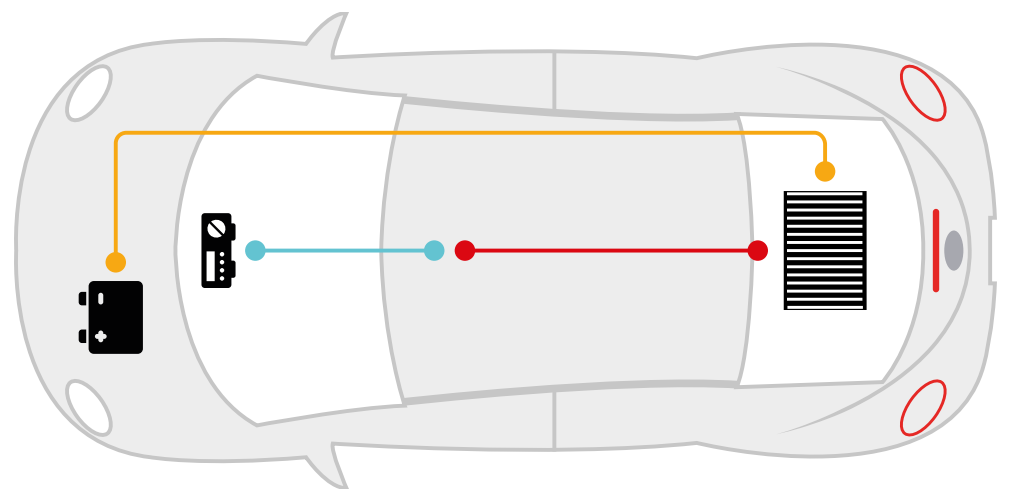




FIT 9.660

• Type	Amplifier	9-channel DSP
• CEA Power (4 Ω)	<ul style="list-style-type: none"> 3 x 20W RMS + 6 x 70W RMS 3 x 20W RMS (4Ω) + 6 x 100W RMS (2Ω) 	<ul style="list-style-type: none"> 10 parametric EQ bands (inputs and outputs) High-pass, low-pass and band-pass crossover (12/24dB with a variable Q factor) Time alignment (adjustment per 0.05ms phase per channel) Parametric limiter for each output channel (limited power) Expander/compressor (current regulation) Adjustment of the parametric phase inversion
• Max. Power	1.300 W	
• Weight		3.53lb (1.6kg)
• Dimensions		8 ⁷ / ₁₆ x 6 ⁷ / ₁₆ x 1 ³ / ₄ " (215 x 163 x 45mm)

Find the cables designed for your vehicle at www.focal-inside.com



FIT 9.660 POWER CABLE



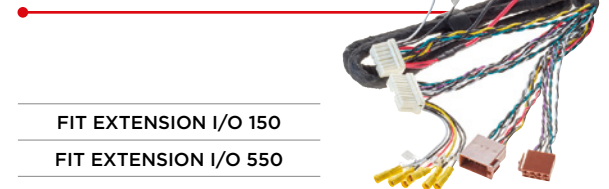
FIT/IMP POWER SUPPLY SET

Y-ISO HARNESSES BY BRAND



- | | |
|----------------------|-----------------------|
| BMW Y-ISO HARNESS | RENAULT Y-ISO HARNESS |
| NISSAN Y-ISO HARNESS | TOYOTA Y-ISO HARNESS |
| PSA Y-ISO HARNESS | VW Y-ISO HARNESS |

FIT 9.660 EXTENSION CABLE



FIT EXTENSION I/O 150
FIT EXTENSION I/O 550

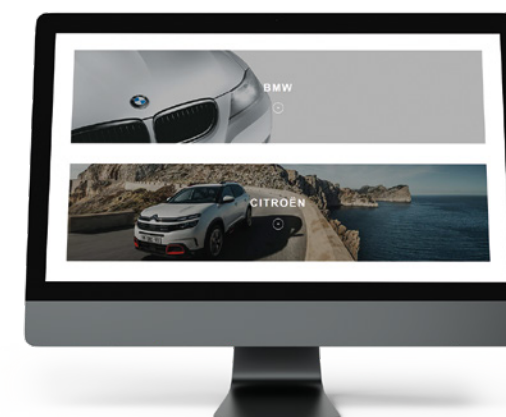
SPEAKER DRIVER CONNECTION CABLES



BMW SUB HARNESS DUAL 500
EXTENSION CABLE 2X600
FIT CC SPEAKER EXT 600

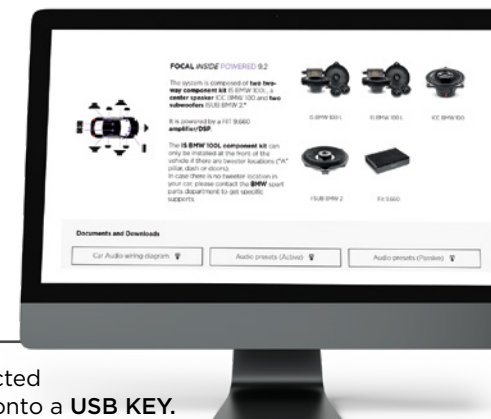
FIT 9.660 CONFIGURATION

FIT 9.660 is compatible with a wider range of kits and vehicles! To enjoy this amplifier/DSP fully and get the best from your system, download the configuration matching your criteria and install it easily via a dedicated USB port.



STEP 1

www.focal-inside.com
Select your vehicle
MAKE and **MODEL**.



STEP 2

Download the selected
CONFIGURATION onto a **USB KEY**.

STEP 3

After the FIT 9.660 is installed in your car, please insert the USB key. Then, start the ignition and turn your head unit on. Once you hear these messages: *"Loading preset started, do not remove USB key"* and *"Loading preset successful"*, you can remove the USB key.



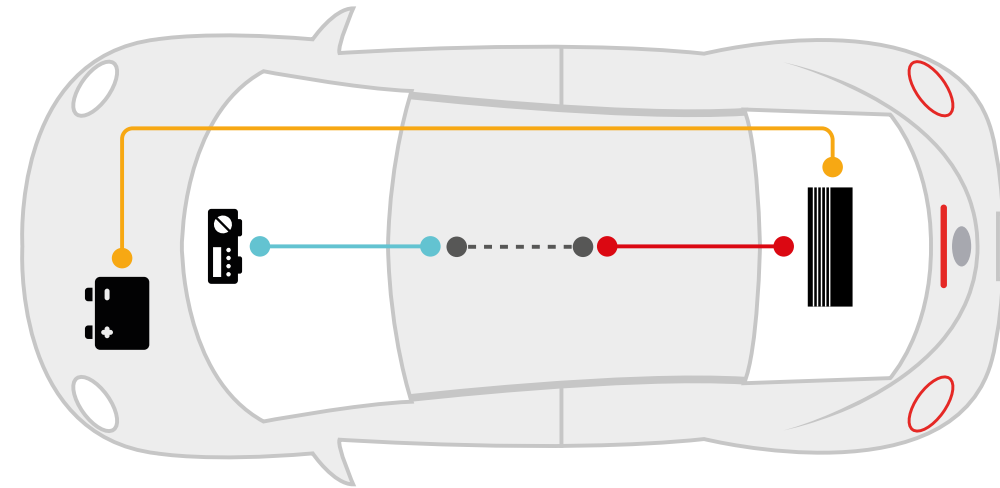
STEP 4

Enjoy your Focal Inside installation!



[NB:
This pen is not for sale;
it only indicates a scale.]

Find the cables designed for your vehicle at
www.focal-inside.com



**IMPULSE 4.320
POWER CABLE**



FIT/IMP POWER SUPPLY SET

**Y-ISO HARNESSES
BY BRAND**



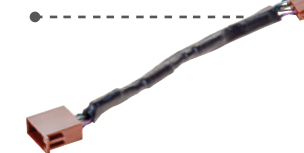
- BMW Y-ISO HARNESS
- NISSAN Y-ISO HARNESS
- PSA Y-ISO HARNESS

- RENAULT Y-ISO HARNESS
- TOYOTA Y-ISO HARNESS
- VW Y-ISO HARNESS

IMPULSE 4.320

• Type	Class D ultra-compact Amplifier - 4/3/2 channels
• CEA power (4Ω)	4 x 55W RMS
• Max. power (2Ω)	4 x 80W RMS
• Max. power (4Ω bridged)	2 x 160W RMS
• Crossovers	Activable/deactivable fixed at 75Hz on channels 1/2 Configurable from 40Hz-200Hz on channels 3/4
• Copy mode	4CH/2CH
• Setting	Adjustable phase 0/180° on channels 3/4
• Protections	Short circuit / Over-current / Reverse polarity / DC / Voltage drop / Heat protection
• Weight	1.2lbs (550g)
• Dimensions (LxHxI)	6 ⁷ / ₈ x 1 ⁷ / ₈ x 2 ⁵ / ₈ " (175 x 47 x 66,5mm)

**IMPEDANCE
SIMULATOR***



SPEAKER SIM

**IMPULSE 4.320
EXTENSION CABLE**



IMP EXTENSION I/O 150

**SPEAKER DRIVER
CONNECTION CABLE**



BMW 2.1 IMP HARNESS

*The impedance simulator compensates for disconnecting original speaker drivers after they have been replaced by Focal Inside speaker drivers. It enables the installation of your new audio system to be optimal and guaranteed to be error-free.



Discover all the Focal Inside kits
and check your vehicle compatilby on:
www.focal-inside.com

classic loudspeakers



custom install



car audio



headphones & multimedia



studio monitors



FOCAL

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