MOTORITIES COLLECTION

2022



FOCAL INSIDE



For the past four decades, Focal has been stamping its unique sound signature on high-end speaker drivers and acoustic loudspeakers.

The brand's values are innovation and performance, excellence and pleasure. We are renowned the world over for our exclusive technologies. The result of this technological heritage is a sound reproduction imbued with clarity, power and a natural quality, presenting you with the best products in their category.

With the Focal Inside range, we deliver Plug & Play solutions that are perfectly suited to and easy to install in a large number of car models.

Create the sound experience of your dreams.

01.



FOCAL INSIDE

7



02. SUBWOOFERS

43

O3.
CABLES
& ELECTRONICS

01. FOCAL ///S/DE

One car, one audio solution

The Focal Inside range is aimed at all drivers who wish to replace their original car audio system with a quality hi-fi Plug & Play solution that is easy to install without modifying the environment. Different configurations are available for each car make (40 makes) and each model (more than 700 vehicle models), and the mounting accessories are included in each kit. For optimal performance, amplification solutions complete our offering. Configure the solution of your dreams in just a few clicks.

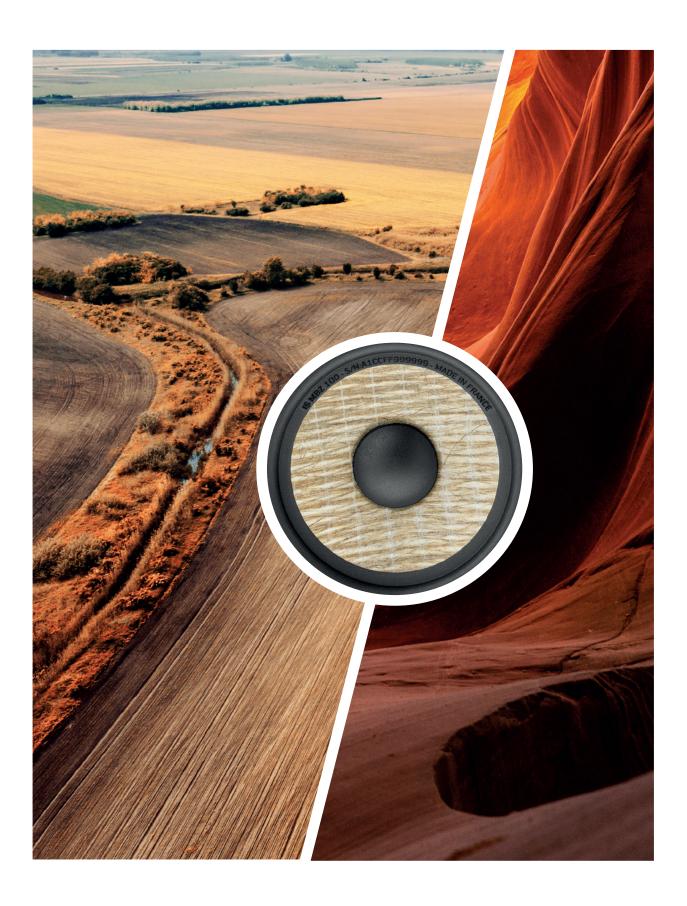




C-Class

E-Class

S-Class GLC



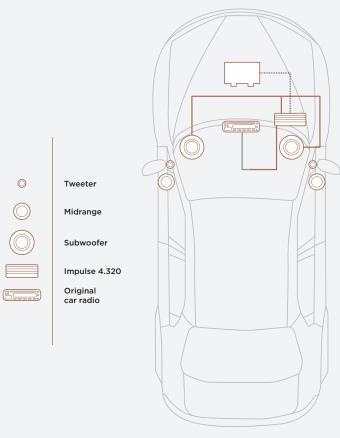






1 x Impulse 4.320 1 x Front kit* 1 x ISUB MBZ 2 1 x Y-ISO MBZ 1 x IW IMP 2.2

1 x Power supply





ISUB MBZ 2 & ISUB MBZ 2 RHD

Subwoofers kit Two versions : for left and right hand drive

8" (200mm)

ICC MBZ 100

Central speaker

4" (100mm)

Neodymium

Flax

2 x 4Ω

50W x 2

25W RMS x 2

150Hz - 20kHz

with mounting

accessories

Supplied

with eCall function

Type

Diameter

Magnet

Cone

Impedance

Tweeter

Max. power

Nom. power

Accessories

Frequency response

Sensitivity (2.83 V/1m) 82.7dB

IC MBZ 100

2-way coaxial kit

4" (100mm)

Neodymium

Flax

4Ω

Compact

tweeter

80W

88dB

40W RMS

150Hz - 20kHz

with mounting

accessories

Supplied

³/₄" (20.5mm)

ICR MBZ 100

2-way surround

coaxial kit

4" (100mm)

Neodymium

Flax

4Ω

Compact

tweeter

80W

88dB

40W RMS

150Hz - 20kHz

with mounting

accessories

Supplied

³/₄" (20.5mm)

IS MBZ 100

4" (100mm)

Neodymium

Aluminium

dome tweeter

inverted

100W

87dB

50W RMS

150Hz - 20kHz

with mounting

accessories

Supplied

Flax

4Ω

2-way component kit

Neodymium

Polyglass

2Ω

150W x 2

75W RMS x 2

93.3dB

35Hz - 200Hz

Supplied with mounting accessories

FOR A COMPLETE EXPERIENCE

If your vehicle is compatible, replace your central, rear and surround speaker drivers, too!





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







	ICC BMW 100	IC BMW 100	IC BMW 100L	IS BMW 100
Туре	2-way coaxial central kit	2-way coaxial kit	2-way coaxial kit	2-way component kit
Diameter	4" (100mm)	4" (100mm)	4" (100mm)	4" (100mm)
Magnet	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/1m)	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
2-way component kit	Subwoofer	Subwoofer
4" (100mm)	8" (200mm)	8" (200mm)
Neodymium	Neodymium	Neodymium
Black Polyglass	Black Polyglass	Black Polyglass
4Ω	2Ω	4Ω
Aluminium/ Magnesium inverted dome tweeter	_	_
80W	180W	180W
40W RMS	90W RMS	90W RMS
89.5dB	86dB	86dB
80Hz - 23kHz	35Hz - 200Hz	35Hz-200Hz
Supplied with mounting accessories	Supplied with mounting accessories	Supplied with mounting accessories



For BMW X5 and BMW X6 models, KIAC 1122 brackets (spacers) need to be used.

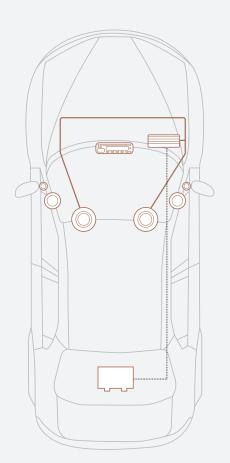
KIAC 1122

You can install speaker drivers on their own, or choose an amplified installation to offer the best speaker driver performance.

We suggest:

1 x Impulse 4.320 1 x Front kit* 2 x ISUB BMW 4 1 x BMW IMP-2.1

1 x Power supply



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Tweeter

Midrange

Subwoofer

Impulse 4.320

FOR A COMPLETE EXPERIENCE

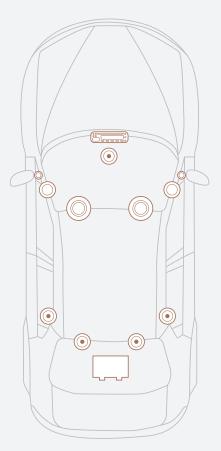
If your vehicle is compatible, replace your central, rear and surround speaker drivers, too!

> * Check the models required at: www.focal-inside.com

FOR A COMPLETE EXPERIENCE

If your vehicle is compatible, replace your central, rear and surround speaker drivers, too!

1 x Front kit*
1 x Rear kit*
1 x Surround Kit*
1 x ICC BMW 100*
2 x ISUB BMW 4



Tweeter

Midrange

Subwoofer

()

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Coaxial woofer

Original car radio

> * Check the models required at: www.focal-inside.com

— B M W ⊗

17

Z

Σ

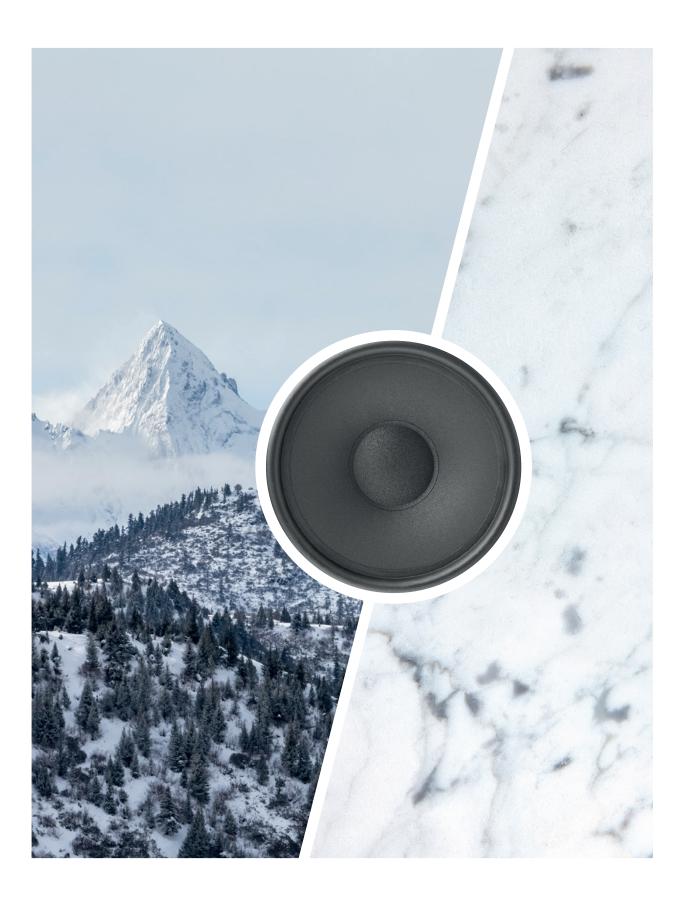




Kuga

Ranger F-Series

Focus Fiesta MKX Navigator



21







	IC FORD 165	IC FORD 690	IS FORD 165
Туре	2-way coaxial kit	2-way coaxial kit	2-way component kit
Diameter	6½" (165mm)	6 x 9" (150 x 230mm)	6½" (165mm)
Magnet	Ferrite	Ferrite	Ferrite
Cone	Black Polyglass	Black Polyglass	Black Polyglass
Impedance	4Ω	4Ω	4Ω
Tweeter	Aluminium inverted dome tweeter	Aluminium inverted dome tweeter	Aluminium inverted dome tweeter
Max. power	120W	150W	120W
Nom. power	60W RMS	75W RMS	60W RMS
Sensitivity (2.83 V/1m)	92.5dB	92dB	91.7dB
Frequency response	60Hz - 20kHz	60Hz - 20kHz	60Hz - 20kHz
Accessories	Supplied with mounting accessories	Supplied with mounting accessories	Supplied with mounting accessories



IS FORD 690

2-way component kit

6 x 9" (150 x 230mm)

Ferrite

Black Polyglass

4Ω

Aluminium inverted dome tweeter

150W

75W RMS

92.3dB

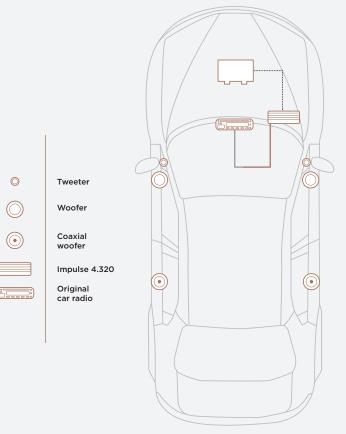
50Hz - 20kHz

Supplied with mounting accessories

FOCAL SUGGESTS

You can install speaker drivers on their own, or choose an amplified installation to offer the best performance. We suggest:

> 1 x Impulse 4.320 1 x Front kit* 1 x Rear kit* 1 x Y-ISO FORD* 1 x IMP EXT150 1 x Power supply



FOR A COMPLETE EXPERIENCE

If your vehicle is compatible, replace your rear speaker drivers, too!



Mii Arosa Ibiza Leon Altea

Toledo

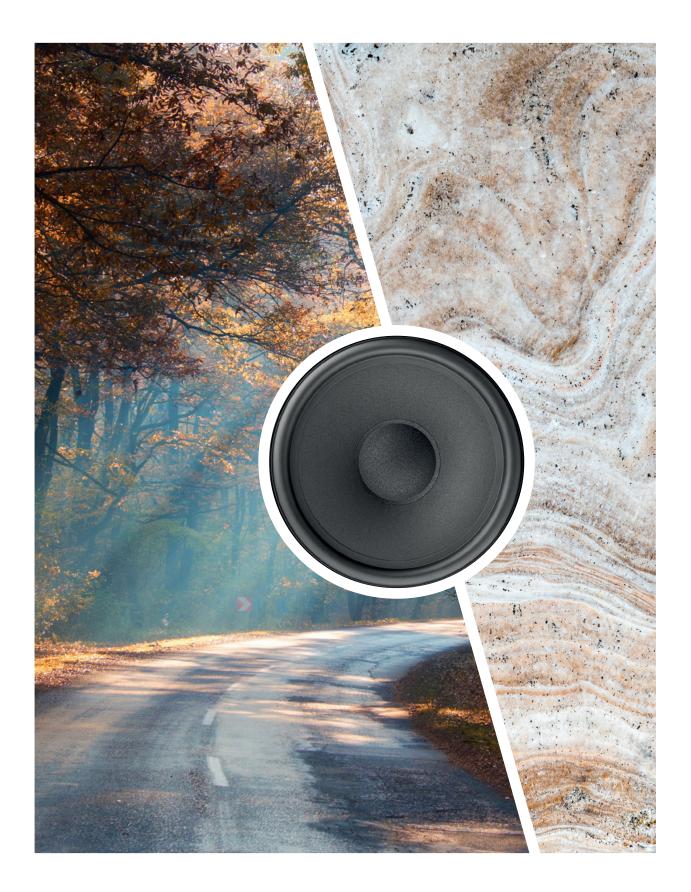
ŠKODA



Citigo
Fabia
Octavia
Superb
Roomster



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



25







	IC VW 165	IS VW 155	IS VW 165
Туре	2-way coaxial kit	2-way component kit	2-way component kit
Diameter	6½" (165mm)	6" (155mm)	6½" (165mm)
Magnet	Ferrite	Ferrite	Ferrite
Cone	Black Polyglass	Black Polyglass	Black Polyglass
Impedance	2Ω	2Ω	2Ω
Tweeter	Aluminium inverted dome tweeter	Aluminium inverted dome tweeter	Aluminium inverted dome tweeter
Max. power	120W	100W	120W
Nom. power	60W RMS	50W RMS	60W RMS
Sensitivity (2.83 V/1m)	93.7dB	92dB	93.7dB
Frequency response	60Hz - 20kHz	70Hz - 20kHz	60Hz - 20kHz
Accessories	Supplied with mounting accessories	Supplied with mounting accessories	Supplied with mounting accessories



IS VW 180

2-way component kit

7" (180mm)

Ferrite

Black Polyglass

2Ω

Aluminium inverted dome tweeter

150W

75W RMS

94dB

50Hz - 20kHz

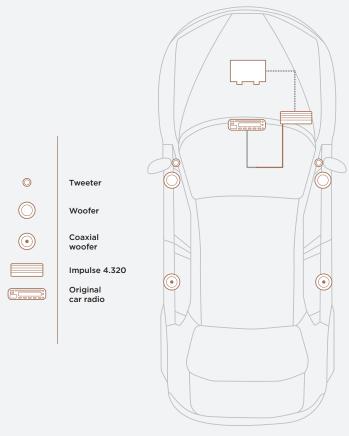
Supplied with mounting accessories

FOCAL SUGGESTS

You can install speaker drivers on their own, or choose an amplified installation to offer the best performance. We suggest:

> 1 x Impulse 4.320 1 x Front kit* 1 x Rear kit* 1 x Y-ISO VW* 1 x IMP EXT150

1 x Power supply

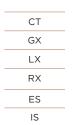


FOR A COMPLETE EXPERIENCE

If your vehicle is compatible, replace your rear speaker drivers, too!











BRZ

Crosstrek

Impreza IV WRX

Outback Forester



FR-S
xВ
iQ
хА
хD
tC



iQ	RAV4
Aygo	C-HR
Etios Liva	Urban Cruiser
Yaris	FJ Cruiser
Vitz	Fortuner
Prius	Hilux
Camry I	Tundra
Corolla II	Tacoma
Celica	Echo
GT86	Matrix
SW4	



29







	IC TOY 165	IS TOY 690	IS TOY 165
Туре	2-way coaxial kit	2-way elliptical component kit	2-way component kit
Diameter	6½" (165mm)	6 x 9" (150 x 230mm)	6½" (165mm)
Magnet	Ferrite	Ferrite	Ferrite
Cone	Black Polyglass	Black Polyglass	Black Polyglass
Impedance	4Ω	4Ω	4Ω
Tweeter	Aluminium inverted dome tweeter	Aluminium inverted dome tweeter	Aluminium inverted dome tweeter
Max. power	120W	150W	120W
Nom. power	60W RMS	75W RMS	60W RMS
Sensitivity (2.83 V/1m)	92.5dB	92.3dB	91.7dB
Frequency response	60Hz - 20kHz	50Hz - 20kHz	60Hz - 20kHz
Accessories	Supplied with mounting accessories	Supplied with mounting accessories	Supplied with mounting accessories



IS TOY 165 TWU

2-way component kit (with Universal tweeters)

6½" (165mm)

Ferrite

Black Polyglass

4Ω

Aluminium/Magnesium inverted dome tweeter

120W

60W RMS

91.7dB

60Hz - 20kHz

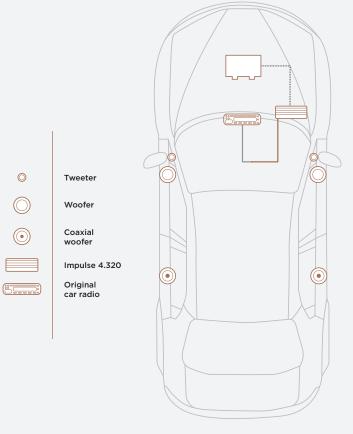
Supplied with mounting accessories

FOCAL SUGGESTS

You can install speaker drivers on their own, or choose an amplified installation to offer the best performance. We suggest:

> 1 x Impulse 4.320 1 x Front kit* 1 x Rear kit* 1 x Y-ISO TOY* 1 x IMP EXT150

1 x Power supply



FOR A COMPLETE EXPERIENCE

If your vehicle is compatible, replace your rear speaker drivers, too!

| 31









SM3 SM5 SM6 SM7

QM3

QM6

DACIA

Sandero

Logan

Dokker

Duster

Twingo	
Clio	
Zoe	
Wind	

Megane	
Fluence	

Fluence
Laguna

Talis	man

Modus	
Scenic	

Grand Scenic

Captur

Kadjar

Koleos Alaskan

Kangoo

Trafic Master

				. In	
51	n	C	41	C	

Fortwo Forfour



Micra	
March	

Pulsar

Juke Kicks

Qashqai

X-Trail Rogue

Frontier

Titan Pathfinder

Murano

Navara NV200

NV300 NP200 NP300



Talento Talento VU



Vesta Largus XRAY





	IC REN 130	IC RNS 165	IS RNI 690	IS REN 130
Туре	2-way coaxial kit	2-way coaxial kit	2-way elliptical component kit	2-way component kit
Diameter	5" (130mm)	6½" (165mm)	6 x 9" (150 x 230mm)	5" (130mm)
Magnet	Ferrite	Ferrite	Ferrite	Neodymium
Cone	Polyglass	DFS® fiberglass	Polyglass	Polyglass
Impedance	4Ω	4Ω	4Ω	4Ω
Tweeter	Aluminium inverted dome tweeter	Aluminium inverted dome tweeter	Aluminium inverted dome tweeter	Aluminium inverted dome tweeter
Max. power	120W	120W	160W	100W
Nom. power	60W RMS	60W RMS	80W RMS	50W RMS
Sensitivity (2.83 V/1m)	91.8dB	91dB	93.6dB	91.7dB
Frequency response	75Hz - 20kHz	60Hz - 20kHz	55Hz - 21kHz	80Hz - 28kHz
Accessories	Supplied with mounting accessories	Supplied with mounting accessories	Supplied with mounting accessories	Supplied with mounting accessories



IS RNS 165

2-way component kit

6½" (165mm)

Neodymium

Polyglass

4Ω

Aluminium inverted dome tweeter

120W

60W RMS

92.7dB

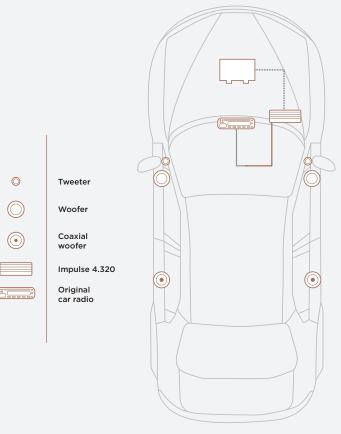
60Hz - 28kHz

Supplied with mounting accessories

FOCAL SUGGESTS

You can install speaker drivers on their own, or choose an amplified installation to offer the best performance. We suggest:

1 x Impulse 4.320 1 x Front kit* 1 x Rear kit* 1 x Y-ISO REN/NIS 1 x IMP EXT150 1 x Power supply



FOR A COMPLETE EXPERIENCE

If your vehicle is compatible, replace your rear speaker drivers, too!





Jumpy







C3	DS3
C4	DS3 CROSSBACK
C4 Cactus	CROSSBACK
	DS4
Cactus	
	DS5
C5 Aircross	
	DS7
Berlingo	CROSSBACK
SpaceTourer	





37







	10 004 105	10 DOA 10E	150.007
	IC PSA 165	IS PSA 165	IFP 207
Туре	2-way coaxial kit	2-way component kit	2-way component kit
Diameter	6½" (165mm)	6½" (165mm)	6½" (165mm)
Magnet	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	TNB Aluminium/Magnesium inverted dome tweeter
Max. power	140W	140W	140W
Nom. power	70W RMS	70W RMS	70W RMS
Sensitivity (2.83 V/1m)	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

FOCAL SUGGESTS

You can install speaker drivers on their own, or choose an amplified installation to offer the best performance. We suggest:

1 x Impulse 4.320

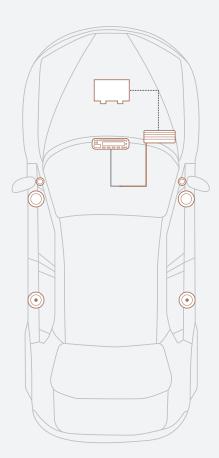
1 x Front kit*

1 x Rear kit*

1 x Y-ISO PSA

1 x IMP EXT150

1 x Power supply











Impulse 4.320

OEM car radio

FOR A COMPLETE EXPERIENCE

If your vehicle is compatible, replace your rear speaker drivers, too!

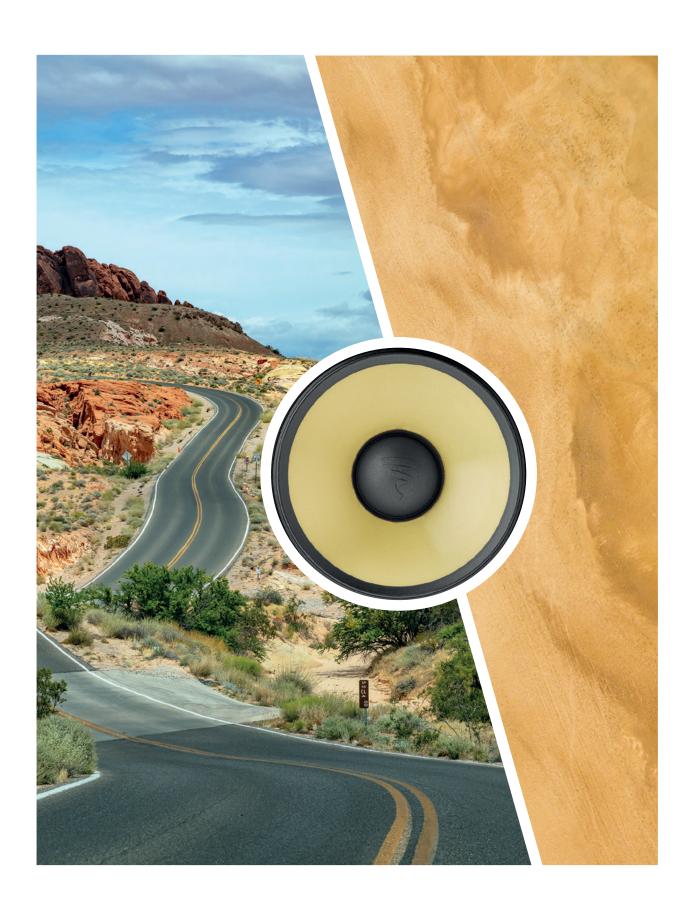


Road Glide

Electra Glide

Street Glide

Batwing fairings









	HDA 165 - 98/2013	HDA 165 - 2014 UP
Туре	2-way component kit	2-way component kit
Diameter	6½" (165mm)	6½" (165mm)
Magnet	Ferrite	Ferrite
Cone	Fiberglass DFS®	Fiberglass DFS®
Impedance	4Ω	4Ω
Tweeter	Compression inverted dome tweeter	Compression inverted dome tweeter
Max. power	160W	160W
Nom. power	80W RMS	80W RMS
Sensitivity (2.83 V/1m)	91dB	91dB
Frequency response	70Hz - 22kHz	70Hz - 22kHz
Accessories	Supplied with mounting accessories	Supplied with mounting accessories





HDK 165 - 98/2013	HDK 165 - 2014 UP
2-way component kit	2-way component kit
6½" (165mm)	6½" (165mm)
Ferrite	Ferrite
K2	K2
2Ω	2Ω
M-profile compression tweeter	M-profile compression tweeter
250W	250W
125W RMS	125W RMS
92.5dB	92.5dB
60Hz - 21kHz	60Hz - 21kHz
Supplied with mounting accessories	Supplied with mounting accessories



For Road Glide models from 1998 to 2013, the KIAC 1135 needs to be used.

KIAC 1135

02.

SUBWOOFERS

To enjoy impactful bass, our engineers have designed the ISUB TWIN and PSB200 passive subwoofers. The ISUB TWIN are ultra-compact, can handle up to 100 watts RMS each, and are easy to install beneath the seats. They are optimised to be connected to the Impulse 4.320 amplifier (see chapter 3) but also combine very well with the Focal Inside solutions and traditional Focal products. They can be screwed to the floor or fitted using the self-adhesive strips supplied. PSB200 is compact and robust, offering 250 watts of power and sliding easily into a car boot. Brackets, screws and a set of velcro strips are supplied to mount your way.







	PSB200	ISUB TWIN
Туре	Compact passive subwoofer	Ultracompact passive subwoofers
Impedance	4Ω	2 x 2Ω
Max. power (2Ω)	250W	2 x 200W
Max. power (bridgé 4Ω)	150W RMS	2 x 100W RMS
Sensitivity (2.83 V / 1m)	83dB	83dB
Frequency response	45Hz - 150Hz	50Hz - 150Hz
Accessories	Velcro, screws, mounting accessories	Velcro
Weight	15.4lbs (7kg)	2 x 5.9lbs (2 x 2.7kg)
Dimensions (WxHxD)	19¼ x 45/6 x 12" (489 x 109 x 304mm)	10¼ x 3½ x 9½" (260 x 80 x 240mm)

FOCAL SUGGESTS

You can install speaker drivers on their own, or choose an amplified installation to offer the best performance. We suggest:

1 x Impulse 4.320 1 x PSB200

1 x Y-ISO BRAND

1 x IW IMP-2.1

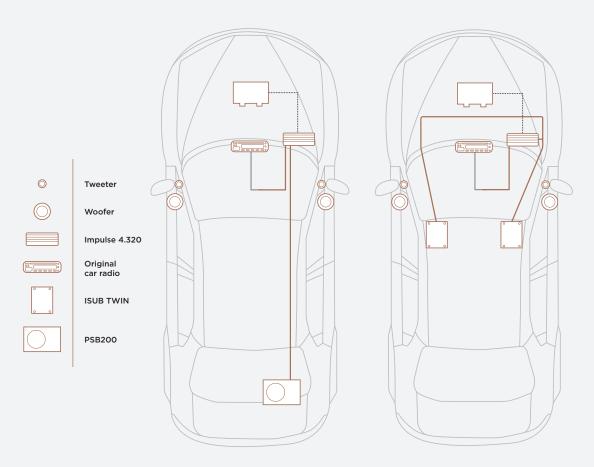
1 x Power supply

1 x Impulse 4.320 1 x ISUB TWIN

1 x Y-ISO BRAND

1 x IW IMP-2.2

1 x Power supply



FOR A COMPLETE EXPERIENCE

If your vehicle is compatible, replace your rear and surround speaker drivers, too!

03.

CABLES & ELECTRONICS

To benefit from a dynamic and efficient system, the Impulse 4.320 digital amplifier and Focal Inside cables complete our solutions. Impulse 4.320 is compact, with 4 channels each delivering 55 watts and enabling the speaker drivers to express their full potential. Optimising the connections between car radio, electronics and acoustics, the dedicated Focal Inside cables play their own essential role in your audio architecture. Adaptation cables, extension cables, connection cables, direct power cables, impedance simulator, and more: they guarantee the performance and safety of your installation.



CABLES & ELECTRONICS



IMPULSE 4.320

	IMPULSE 4.320
Туре	D-Class ultra-compact Amplifier - 4/3/2 channels
CEA power(4Ω)	4 x 55W RMS
Max. power (2 Ω)	4 x 80W RMS
Max. power (bridged 4 Ω)	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 channel 3/4
Protections	Short circuit / Over-current / Reverse polarity / DC / Voltage drop / Heat protection
Weights	1.2lbs (550g)
Dimensions (WxHxD)	6% x 1% x 25%" (175 x 47 x 66.5mm)

Find the cables designed for your vehicle at:

www.focal-inside.com













IMP		
EXT	1/0	150

Impulse 4.320 extension cable **IW IMP** Impulse 4.320

2.1

subwoofer

2.2 Impulse 4.320 Dual subwoofers harness

IW IMP

IW BMW IMP 2.1 BMW speaker driver

connection cable

SPEAKER SIM

Impedance simulator

SUPPLY SET Impulse 4.320 Power supply set

IMP POWER











IW BMW Y-ISO Y-ISO BMW

harness

IW FORD Y-ISO Y-ISO Ford harness

IW FORD Y-ISO V2

Y-ISO Ford harness

IW MBZ Y-ISO

Y-ISO Mercedes-Benz Y-ISO Nissan harness

IW NIS Y-ISO

harness











IW PSA
Y-ISO
Y-ISO PSA
harness

IW REN Y-ISO Y-ISO Renault

harness

Y-ISO

Y-ISO Toyota harness

IW TOY

IW TOY Y-ISO V2

Y-ISO Toyota harness

IW VW Y-ISO

> Y-ISO Volkswagen harness

49

COLLECTIONS

Combining performance and design, Focal's collections are a revelation, awakening the emotions through a supreme listening experience. And it doesn't matter where you are. At home with traditional and in-wall/inceiling loudspeakers, Home Cinema systems and open-back headphones; on the go with closed-back headphones and in-car kits; in the studio with professional monitors; and even at sea with specialist yacht solutions.







Home Collection





Motorities Collection





Professional Collection



Enjoy an incredible sound experience

Find our products in 10,000 retail partner stores across the world, but also in our Focal Powered by Naim shops. These shops, dedicated to our brands, invite you to dive into our world, our savoir-faire and immerse yourself in the Focal & Naim sound.

ASIA

Guangzhou Seoul Gangnam-gu Seoul Hanam

AUSTRALIA

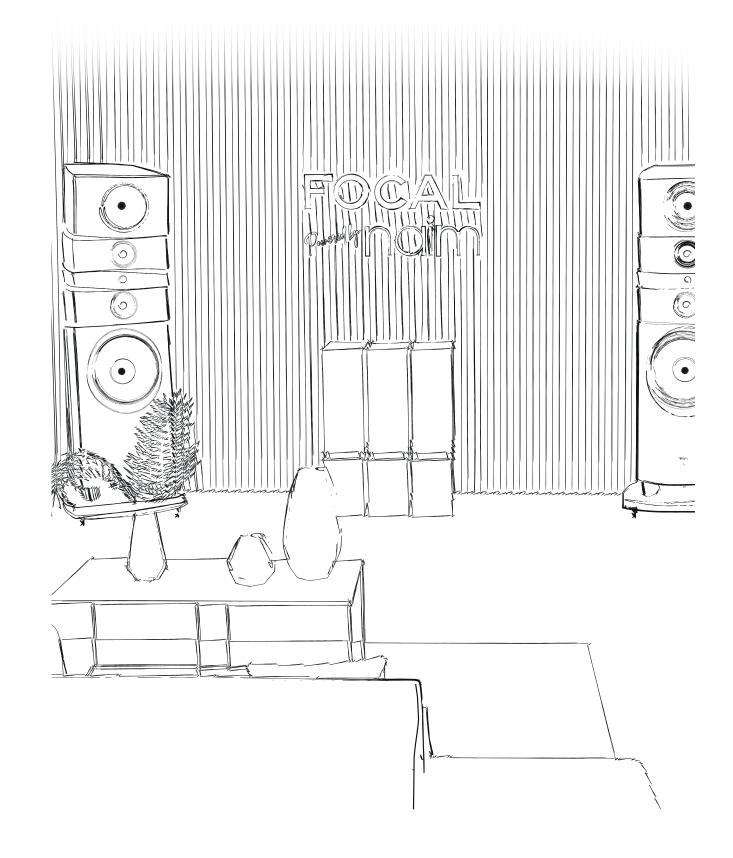
Adelaide - Melbourne Perth - Sydney EUROPE

Cannes - Lyon -Perpignan Berlin - Bad Schwartau Sevenoaks Prague Bucharest

Vilnius

CANADASaskatoon

USA Austin Houston Miami





Create your sound experience on:

www.focal-inside.com

Find all our installation videos on:





Focal-JMlab®

BP 374 - 108, rue de l'Avenir - 42353 La Talaudière cedex - France - +33 (0) 477 435 700

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