



[www. b2audio. com](http://www.b2audio.com)

B² audio

MODEL BM402C & BU402C

**BM402C
BU402C
OWNER'S MANUAL**



INTRODUCTON

B² audio Plug & Play Component Kit is suitable for BMW best selling models: 1 Series, 3 Series, 5 Series and so on. The speaker and tweeter fit into the factory location and use the factory connectors, you will enjoy the strongly improved sound quality with the help of the B2 audio sound upgrade system.

Packing List

- 1 pair of 25mm Silk dome tweeters with oval mount
- 1 pair of 4" Mid-range speakers
- 1 pair of highpass crossover network (For mid-range speaker)
- 1 pair of highpass inline crossover (For tweeter)
- User Manual

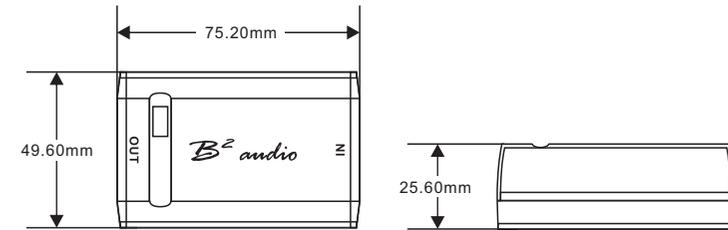
Highlights

- Direct fit audio system for BMW without modification.
- Using factory harness and connectors to allow plug & play.
- Quick and easy to installation.
- Mid-range speaker was designed in a cast aluminium construction for ultimate durability and performance.
- Biological fiber cone for authentic and brilliant sound reproduction.
- Integrated phase plug for better dispersion.
- Butyl rubber edge.
- 25mm silk dome tweeter.

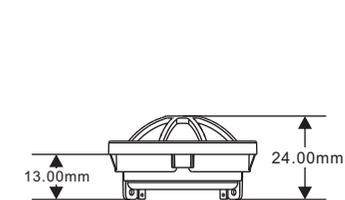
As for the content change, we are sorry for no further notice.

DIMENSION

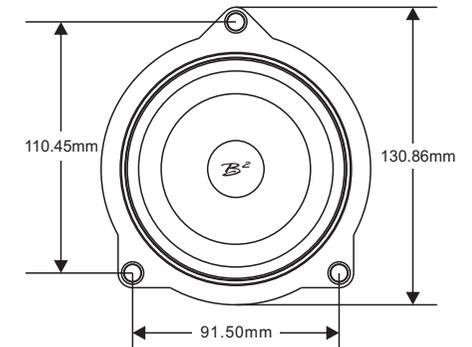
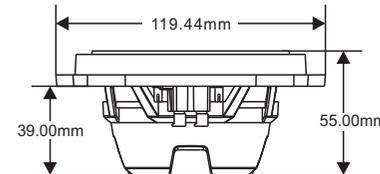
● crossover network



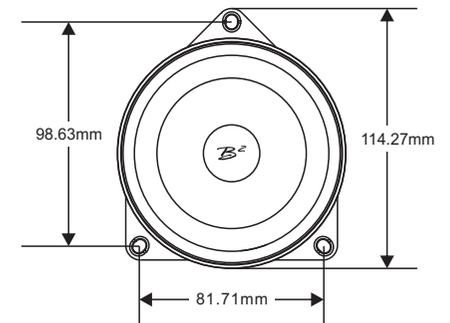
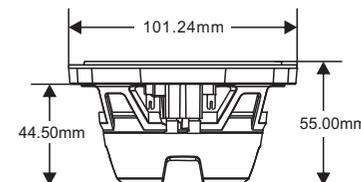
● 1-Inch tweeter



● 4-Inch mid-range speakers (BM402C)



● 4-Inch mid-range speakers (BU402C)



INSTALLATION

5. Now all is left is to put everything back and enjoy much improved sound, reconnect all the wiring and door latch cables and finally reassemble the door panel and firmly tighten the door panel bolts.



SPECIFICATION

Model	BM402C / BU402C
Impedance	4Ω
Rated power handling	50Watts
SPL[1W/1m]	87dB
Frequency Response	100Hz-20000Hz
Resonance Frequency mid-range	100Hz-10000Hz

VEHICLE COMPATIBILITY LIST

BM402C:

1 series (2004-2011)-E81/E82/E87/E88(Front door)

3 series (2005-2011)-E90/E91(Front door/Rear door)
E92/E93(Front door),

5 series (2011-Current)-F10/F11(Front door/Rear door)

6 series(2011-Current)-F12/F13(Front door)

7 series(2008-Current)-F01(Front door/Rear door)

X1(2009-2012)-E84(Front door)

BU402C:

1 series(2011-Current)-F20/F21(Rear window shelf)

5 series(2010-Current)-F10(Rear window shelf)F11(Roof liner)

5 series(2010-Current)-E60/E61(Front door/Rear door)

6 series(2011-Current)-F13(Rear window shelf)

X1(2009-2012)-E84(Rear window shelf)

X3(2010-Current)-F25-(Dashboard)

X5(2006-Current)-E70(Front door/Rear door)

Z4(2009-Current)-E89(Front door)

Note: BU402C can also be used in the Mini front doors
(Only fits for mid-range speaker)

INSTALLATION

The vehicle shown as reference is a BMW 5 series.
The speaker replacement of all BMW models are almost similar.



Mid-range speakers:

1. firstly you need to remove the trim piece by using the plastic removal tool or just your fingers. (door removal tool is essential to prevent damage to the door panel.)



You will need to lift up the trim piece first and then slide outward to release the trim from the door panel, as seen in the below photo. (Red arrows.)



INSTALLATION

4. Next replace the tweeter and re-insert the foam to the triangle housing.
The below illustration shows that the tweeter is flushed perfectly into the door triangle housing (door triangle housing is not included in the B2 audio Plug & Play component kit, you can order the triangle part from your BMW dealer, as you can see it has the speaker grill and holder for a tweeter where the standard doesn't.)



INSTALLATION

Tweeter:

1. The factory blank tweeter housing location.



2. Carefully pry out the blank tweeter housing. (Before starting, we recommend to fully open the window, this will help during the operation)



3. Original tweeter housing removed.



INSTALLATION

2. Remove the door handle.

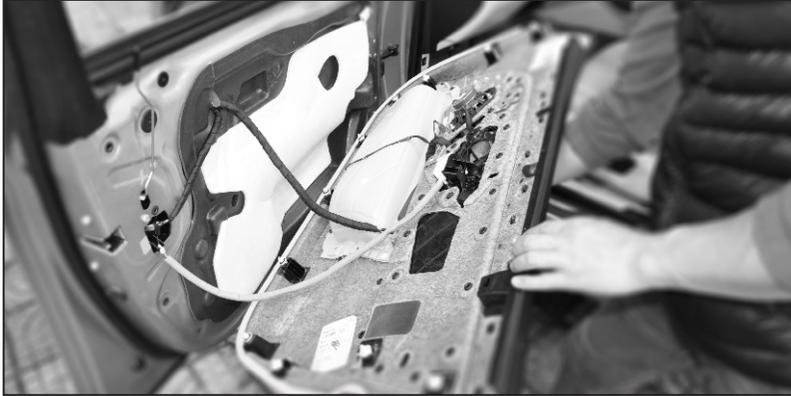


3. Note that the door panel is fixed by numerous plastic clips, carefully pry away the door upward and disconnect all wiring and door latch cables. Be very careful to avoid the damage of the plastic clips during the door panel dis-assembly.

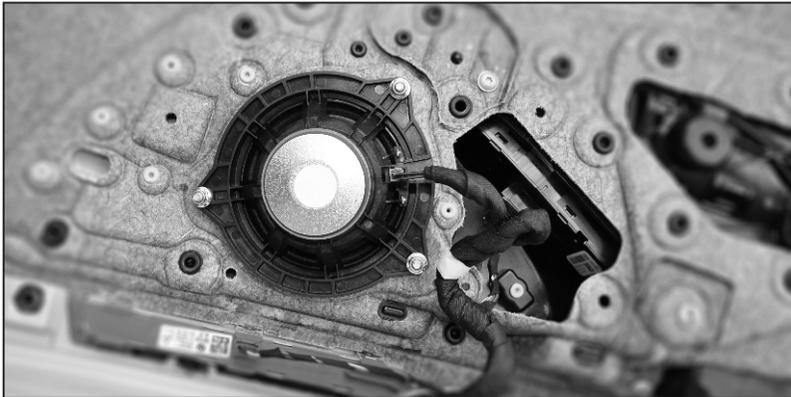


INSTALLATION

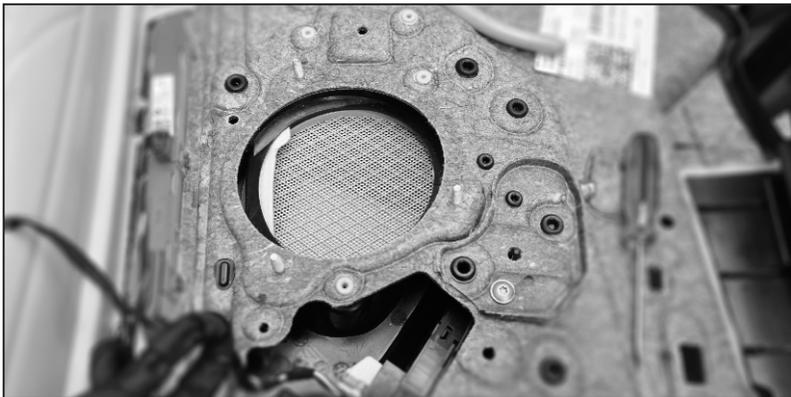
4. Front door cards removed.



5. Original mid-range speaker is held in by three bolts.



6. Original mid-range speaker removed.



INSTALLATION

7. The below illustration shows the comparison of factory speaker(left) and B2 audio upgrade 4" speaker, B2 audio mid-range speaker uses a cast aluminum chassis, powerful yet tiny neodymium magnet.



8. Replace the original mid-range speaker with B2 audio mid-range speaker, using the original bolts. Once the speaker mounting is done, reconnect the speaker wire and the provided crossover network&inline crossover. Then you have to fix the crossover network to the door panel (by using the double adhesive tape which is already attached on the crossover network or cable ties)



B²

[www. b2audio. com](http://www.b2audio.com)

B² audio

MODEL BSW8

BSW8
OWNER'S MANUAL



INTRODUCTION

Thank you for choosing *B² audio* BSW8. To get the most from your subwoofer, please be sure to read all the instructions thoroughly and keep them where they will be read by all who use the product.

B² audio BSW8 is built to give you the bass you desire when space is limited and it is best suited for BMW factory upgrade.

B² audio BSW8 is compatible with all BMW models that have the configuration "Stereo" or "Standard". To improve your bass, simply replace the factory speakers with the *B² audio* BSW8.

⚠ WARNING

Continuous listening at high sound level (above 110dB) can durably damage your hearing.

Listening above 130dB can damage your hearing permanently.

Packing List

- BSW8
- User Manual
- Woofer adapter ring

Highlights

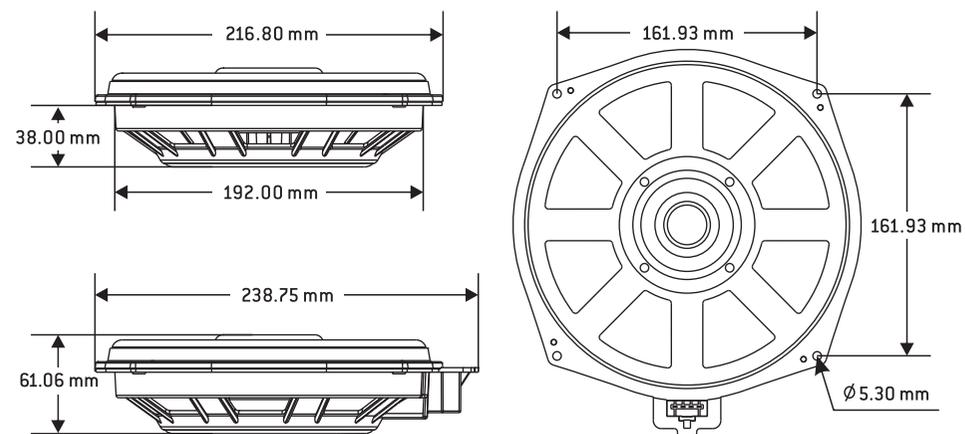
- Approved compatibility with BMW 1-Series, 3-Series, 5-Series and X1.
- Neodymium magnet design
- BMW factory connect for easier installation
- CONEX Spider assembly

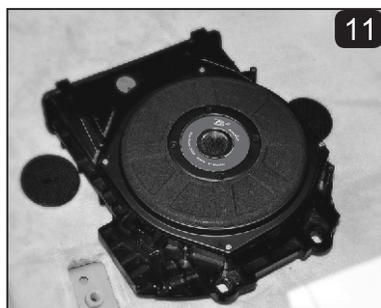
As for the content change, we are sorry for no further notice.

SPECIFICATION

Model	BSW8
Impedance	4Ω
Power Handling RMS/Max	150/200Watts
Frequency Response	39-250Hz
Voice Coil Diameter	2inch(50.8mm)
Resonance Frequency 1W	44Hz
Size	8-Inch(200mm)
Sensitivity	89dB

DIMENSION





11
Replace the factory subwoofer by B2 audio BWF8 and re tighten the screws.



12
Once you have mounted the subwoofer into the plastic enclosure securely, re install the subwoofer into the floor pocket.



13
Next, re connect the speaker wire.



14
Re assemble the speaker cover.



15
Firmly tighten the "front" and "rear" screws of the seat track



16
Finally, place the seat back down onto the floor.

B² audio BSW8 is compatible with all BMW models that have the configuration "Stereo" or "Standard".

To maximise the performance of this woofer, we are recommended to use 1*4 Channel amplifiers or 2*2Channel amplifiers.

This subwoofer can be installed in the following car models (Under the front seat).

- 1 Series: F20/5-door, F21/3-door {from 2011}
- 1 Series: E87/5-door, E81/3-door { 2004-2013}
- 1 Series: E82/Coupé, E88/Cabrio/Convertible { 2004-2013}
- 2 Series: F22/Coupé, F23/Cabrio/Convertible {from 11/2013}
- 3 Series: F30/Limousine, F31/Touring, F34/GT {from 2012}
- 3 Series: E90/Limousine, E91/ Touring, E92/Coupé, E93/ Cabrio /Convertible { 2005-2013}
- 4 Series: F32/Coupé, F33/Cabrio/Convertible {from 10/2013}
- 4 Series: F36/Grand Coupé{ 4-door} {from 2014}
- 5 Series: F10/Limousine, F11/Touring, F07/GT { 2010-2014}
- 5 Series: E60/Limousine, E61/Touring { 2003-2009}
- 6 Series: F12/Coupé, F13/Cabrio/Convertible {from 2011}
- 6 Series: F06/Grand Coupé{ 4-door} {from 2011}
- 7 Series: F01/Limousine, F02/Limousine, Long version {from 2008}
- 7 Series: E65/Limousine, E66/Limousine, Long version { 2001-2008}
- X1: E84/SUV {from 2009}
- X3: F25/SUV {from 2010}
- X3: E83/SUV { 2003-2010}
- X4: F26/SUV {from 2014}
- X5: F15/SUV {from 2013}
- X5: E70/SUV { 2006-2013}
- X6: F16/SUV { 2014}
- X6: E71/SUV { 2008-2014}
- Z4: E89/Roadster {from 2009}

INSTALLATION

The installation of BWF8 and BSW8 is the same, therefore we took a BWF8 for example.



The vehicle shown as reference is a 2015 BMW 5-Series.



Remove the screws that hold the driver's seat track to the floor.



After the screws removal, tilt down the seat to provide access to the subwoofer replacement.



Factory subwoofer is under the cover, ready for the B2 audio BWF8 installation.



Loosen the factory fixed screws of the subwoofer cover.

INSTALLATION



Once all the fixed screws are loosened, remove cover to expose factory subwoofer.



Loosen the 4 mounting screws of the carpet panel and remove it.



Disconnect the blue color speaker wire.



In case of the factory subwoofer is glued, be careful not to damage the plastic enclosure which can be re used for the B2 audio BWF8.



The comparison of factory subwoofer and B2 audio BWF8.



The comparison of factory subwoofer and B2 audio BWF8.

B²

[www. b2audio. com](http://www.b2audio.com)

B² audio

MODEL BWF8

BWF8

OWNER'S MANUAL



INTRODUCTION

Thank you for choosing *B² audio* BWF8. To get the most from your subwoofer, please be sure to read all the instructions thoroughly and keep them where they will be read by all who use the product.

B² audio BWF8 is built to give you the bass you desire when space is limited and it is best suited for BMW factory upgrade.

⚠ WARNING

Continuos listening at high sound level (above 110dB) can durably damage your hearing.

Listening above 130dB can damage your hearing permanently.

Packing List

- BWF8
- User Manual

Highlights

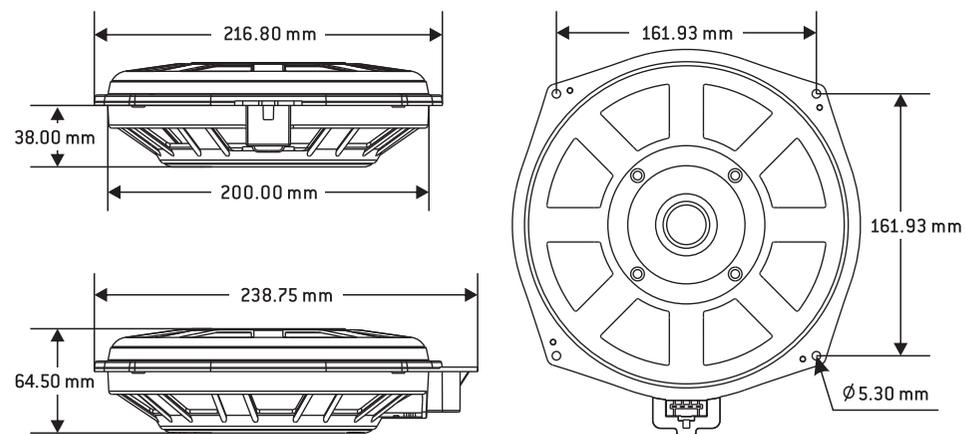
- Approved compatibility with BMW 1-Series, 3-Series, 5-Series and X1.
- Easy to install
- CONEX Spider assembly
- Long excursion

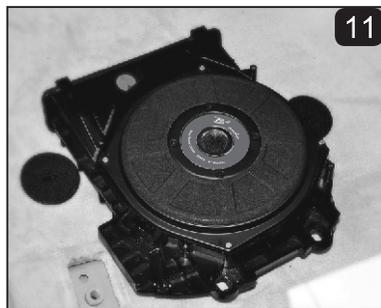
As for the content change, we are sorry for no further notice.

SPECIFICATION

Model	BWF8
Impedance	4Ω
Power Handling RMS/Max	150/200Watts
Frequency Response	30-250Hz
Voice Coil Diameter	2inch(50.8mm)
Resonance Frequency 1W	39Hz
Size	8-Inch(200mm)
Sensitivity	89dB

DIMENSION





11
Replace the factory subwoofer by B2 audio BWF8 and re tighten the screws.



13
Next, re connect the speaker wire.



15
Firmly tighten the "front" and "rear" screws of the seat track



12
Once you have mounted the subwoofer into the plastic enclosure securely, re install the subwoofer into the floor pocket.



14
Re assemble the speaker cover.



16
Finally, place the seat back down onto the floor.

B² audio BWF8 is compatible with all BMW models that have the configuration "HiFi" or higher.

To maximise the performance of this woofer, we are recommended to use 1*4 Channel amplifiers or 2*2Channel amplifiers.

This subwoofer can be installed in the following car models (Under the front seat).

- 1 Series: F20/5-door, F21/3-door (from 2011)
- 1 Series: E87/5-door, E81/3-door (2004-2013)
- 1 Series: E82/Coupé, E88/Cabrio/Convertible (2004-2013)
- 2 Series: F22/Coupé, F23/Cabrio/Convertible (from 11/2013)
- 3 Series: F30/Limousine, F31/Touring, F34/GT (from 2012)
- 3 Series: E90/Limousine, E91/ Touring, E92/Coupé, E93/ Cabrio /Convertible (2005-2013)
- 4 Series: F32/Coupé, F33/Cabrio/Convertible (from 10/2013)
- 4 Series: F36/Grand Coupé (4-door) (from 2014)
- 5 Series: F10/Limousine, F11/Touring, F07/GT (2010-2014)
- 5 Series: E60/Limousine, E61/Touring (2003-2009)
- 6 Series: F12/Coupé, F13/Cabrio/Convertible (from 2011)
- 6 Series: F06/Grand Coupé (4-door) (from 2011)
- 7 Series: F01/Limousine, F02/Limousine, Long version (from 2008)
- 7 Series: E65/Limousine, E66/Limousine, Long version (2001-2008)
- X1: E84/SUV (from 2009)
- X3: F25/SUV (from 2010)
- X3: E83/SUV (2003-2010)
- X4: F26/SUV (from 2014)
- X5: F15/SUV (from 2013)
- X5: E70/SUV (2006-2013)
- X6: F16/SUV (2014)
- X6: E71/SUV (2008-2014)



The vehicle shown as reference is a 2015 BMW 5-Series.



Remove the screws that hold the driver's seat track to the floor.



After the screws removal, tilt down the seat to provide access to the subwoofer replacement.



Factory subwoofer is under the cover, ready for the B2 audio BWF8 installation.



Loosen the factory fixed screws of the subwoofer cover.



Once all the fixed screws are loosened, remove cover to expose factory subwoofer.



Loosen the 4 mounting screws of the carpet panel and remove it.



Disconnect the blue color speaker wire.



In case of the factory subwoofer is glued, be careful not to damage the plastic enclosure which can be re used for the B2 audio BWF8.



The comparison of factory subwoofer and B2 audio BWF8.



The comparison of factory subwoofer and B2 audio BWF8.