

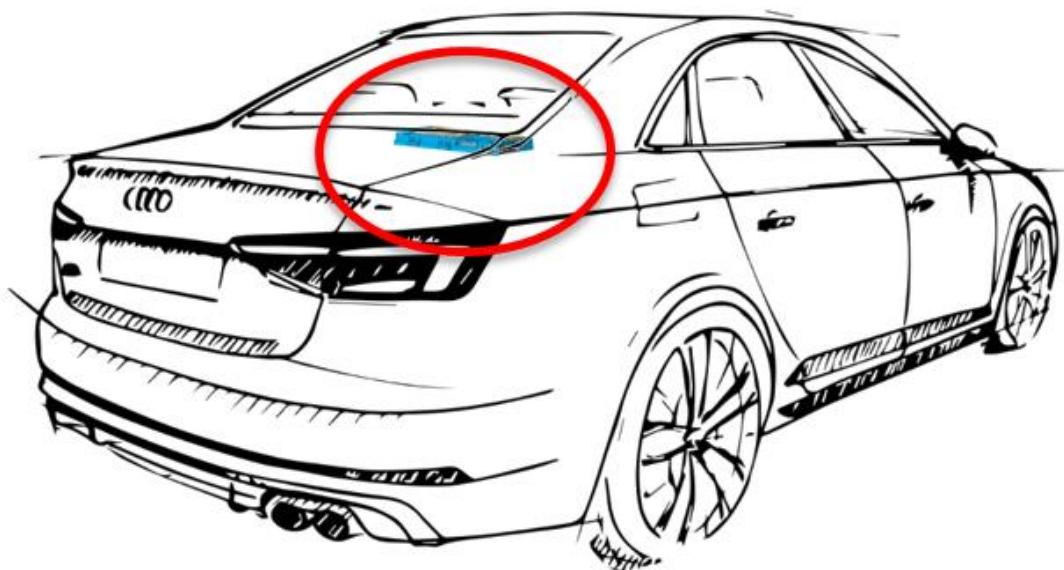
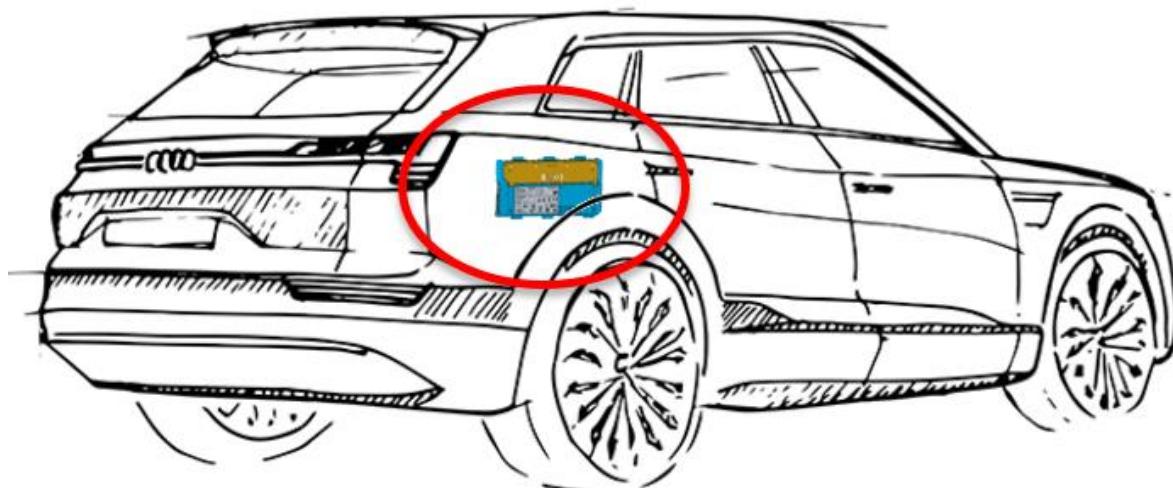
VW AG
CONMOD MQB

Models:

Commod MQB	Audi	
Group of countries	Product Name	Variant
Offline	TKCMOD11000W	V333
ECE_Online	TKCMOD12E00W	V157
NAR	TKCMOD12N00W	V160
JPN	TKCMOD12J00W	V158

Installation:

CONMOD is placed in the cars like in bellow pictures:

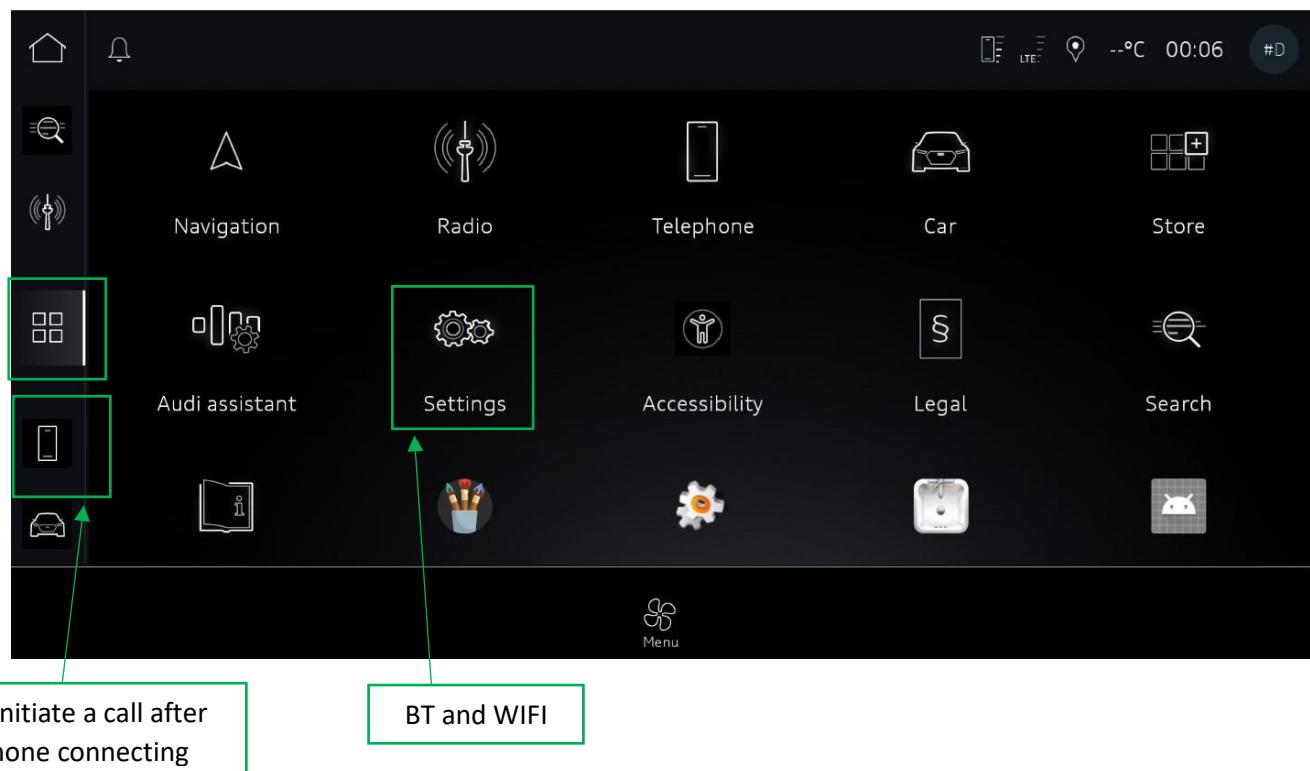


Description:

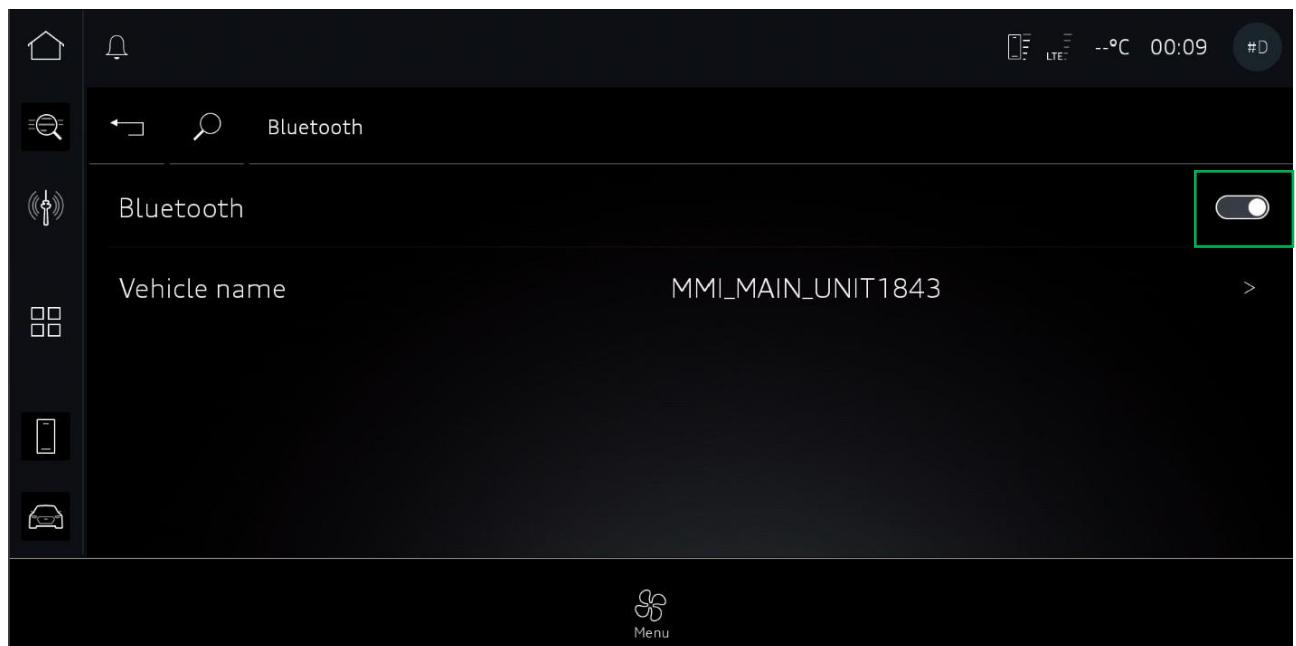
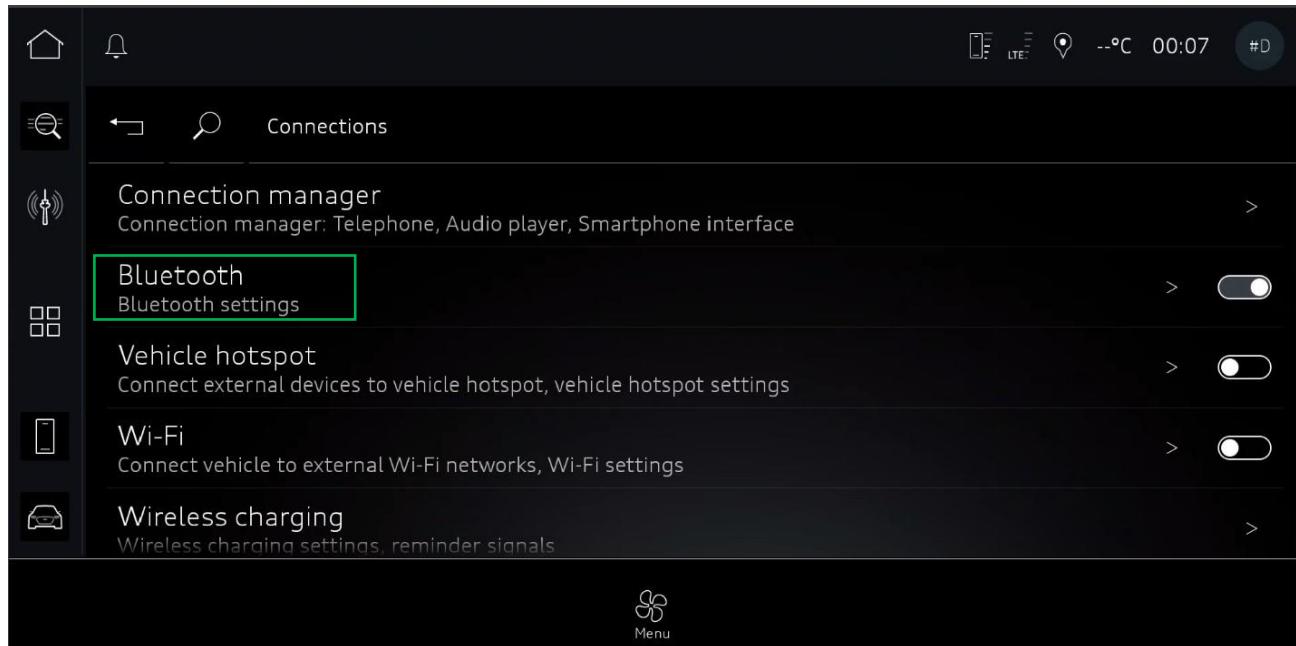
ConMod is a VW crosscar TCU solution to be used in different platforms within the Volkswagen Group.

Included key technologies are 2G, 3G,LTE, 5G, WLAN, Bluetooth, GNSS receiver,Cdepending on the model.

Bellow you can find Menus available for CONMOD MQB:

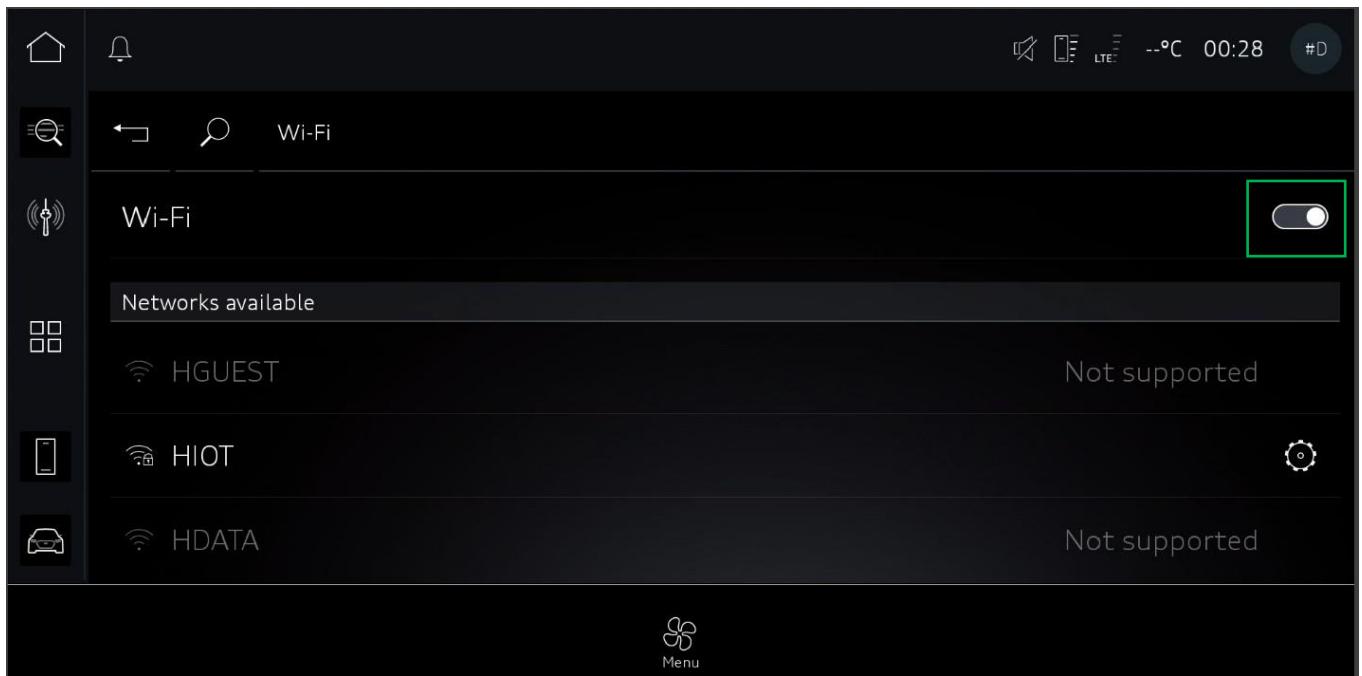
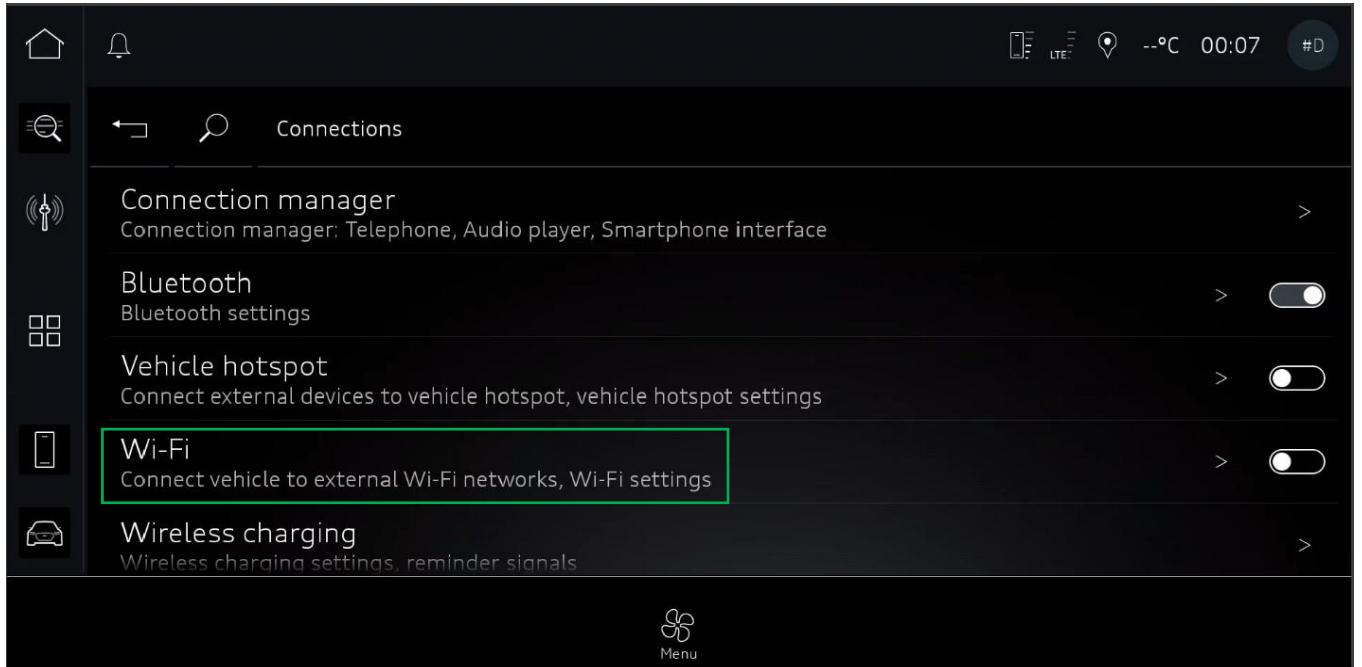


⇒ Bluetooth
Setting → Connections →

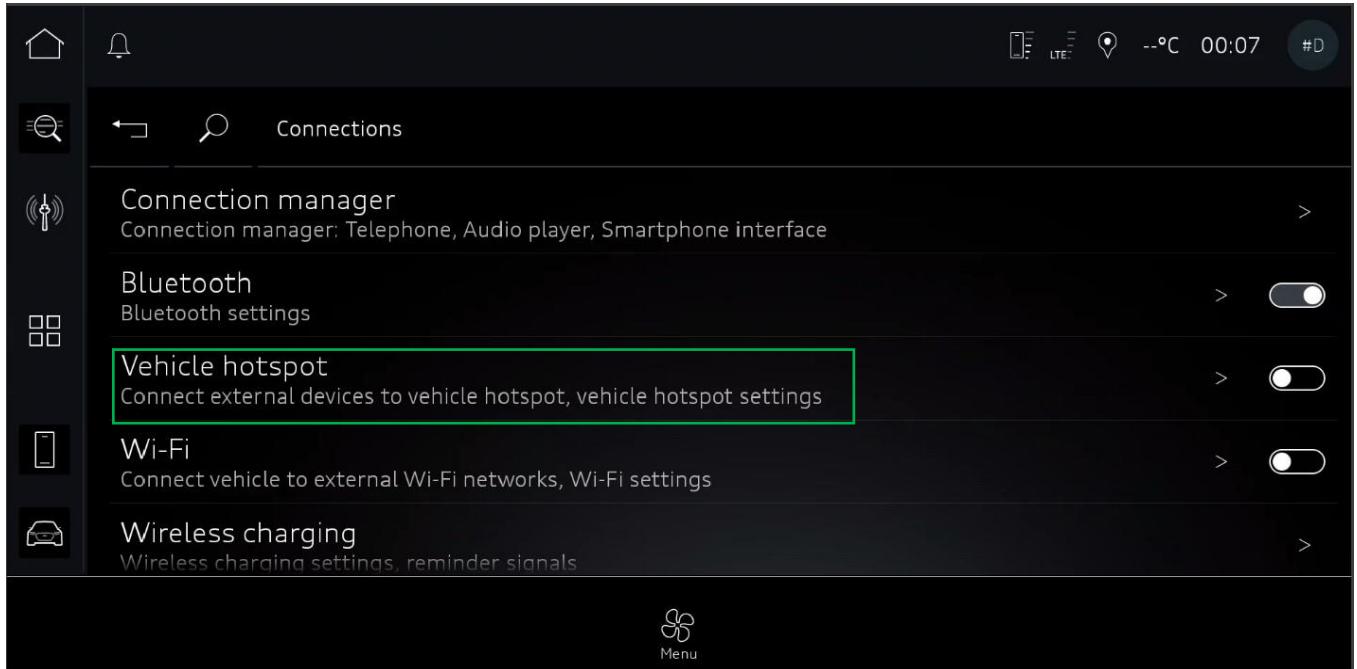


WIFI:

Setting → Connections →



Create a Hotspot:
Setting → Connections →



CERTIFICATION INFORMATION

For EU :

Models:

Conmod MQB	Audi	
Group of countries	Product Name	Variant
Offline	TKCMOD11000W	V333
ECE_Online	TKCMOD12E00W	V157

Hereby, Harman Becker Automotive Systems GmbH declares that the radio equipment type CONMOD is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity will be available on the Harman official Address: <http://www.harman.com/compliance>



The Transmitter Power at the NAD antenna terminal at Room Temperature:

- GSM low bands (800/900): +31 to +35 dBm
- GSM hi bands (1800/1900): +28 to +32 dBm
- WCDMA bands: +21 to +25 dBm
- LTE bands: +21 to +25 dBm
- 5G NR bands: +21 to +25 dBm

NAD Supported Bands

RAT/Variant	NA	RW	EU
NSA NR	n5 and n71 n2 and n66; n7 and n41 n77 and n78	n28 n1 and n3; n41 n77, n78 and n79	n5, n8 and n28 n1 and n3; n7 n77 and n78
LTE	B26(5), 12(17), 13, 14, 29 and 71 B1, 25(2), 3 and 66(4) B7, 30 and 41	B26(5/6/18/19), 8, 20 and 28 B1, 25(2), 3(9), 4, 34 and 39; B32 B7, 40 and 41(38)	B5, 8, 20 and 28 B1 and 3; B32 B7, 38 and 40
WCDMA/TD-SCDMA	B2, 4 and 5(6)	B1, 3(9), 5(6/19) and 8	B1, 3, 5 and 8
GSM/GPRS/EDGE	850 and 1900	850, 900, 1800 and 1900	900 and 1800

Bluetooth Parameter:

- Frequency: 2,402-2,480 GHz
- Output power: < 10 dBm

WLAN Parameter:

- Frequency: 2,400 - 2,4835 GHz
Country specific 5GHz Bands (5.1/5.7 GHz)
- Output power: @ 2,4GHz : < 20 dBm
@ 5.1/5,7GHz : < 20 dBm * (country specific)

The system supports the following frequency bands for GNSS:

- GALILEO (L1 carrier frequency = 1.575,42 MHz)
- GPS (L1 carrier frequency = 1.575,42 MHz)
- GLONASS (L1 carrier frequency = 1602 MHz)
- BEIDOU (L1 carrier frequency = 1560 MHz)

Manufacturer:

Harman Becker Automotive Systems GmbH
Becker-Goering-Strasse 16
76307 Karlsbad,
Germany

WARNING!! The device needs to be used at more than 33 cms from the human body to meet the RF exposure conditions.

FCC / ISED statement :

Model: TKCMOD12N00W

FCC ID: T8GCONMODMQB

IC: 6434A-CONMODMQB

This device complies with part 15 of the FCC Rules and Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) *This device may not cause harmful interference, and*
- (2) *this device must accept any interference received, including interference that may cause undesired operation.*

Le présent appareil est conforme aux CNR d'industrie Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes :

- (1) *l'appareil ne doit pas produire de brouillage, et*
- (2) *l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.*

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

To comply with FCC and ISED RF exposure compliance requirements, the different antennas must be professionally installed at the minimum distance used for the RF evaluations according to FCC and ISED rules

FCC/ISED Regulatory notices

Modification statement

Harman Becker Automotive Systems GmbH has not approved any changes or modifications to this device by the user. Any changes or modifications could void the user's authority to operate the equipment.

Harman Becker Automotive Systems GmbH n'approuve aucune modification apportée à l'appareil par l'utilisateur, quelle qu'en soit la nature. Tout changement ou modification peuvent annuler le droit d'utilisation de l'appareil par l'utilisateur.

Wireless notice

This device complies with FCC/ISED radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines and RSS-102 of the ISED radio frequency (RF) Exposure rules. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Le présent appareil est conforme à l'exposition aux radiations FCC / ISED définies pour un environnement non contrôlé et répond aux directives d'exposition de la fréquence de la FCC radiofréquence (RF) et RSS-102 de la fréquence radio (RF) ISED règles d'exposition. L'émetteur ne doit pas être colocalisé ni fonctionner conjointement avec à autre antenne ou autre émetteur.

FCC Class B digital device notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAN ICES-3 (B) / NMB-3 (B)

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de classe B est conforme à la norme canadienne ICES-003.

Manufacturer:

Harman Becker Automotive Systems GmbH
Becker-Goering-Strasse 16
76307 Karlsbad, Germany

WARNING!! The device needs to be used at more than 21 cms from the human body to meet the RF exposure conditions (30 cms for Canada)