

**MIB3E\_MQB\_BT  
MIB3E\_MQB\_BTWIFI  
USER MANUAL**



<b>CONTENT</b>	
<a href="#"><u>GENERAL INSTRUCTIONS</u></a> .....	3
<a href="#"><u>TECHNICAL INFORMATION</u></a> .....	4-5
<a href="#"><u>INTRODUCTION TO OPERATION</u></a> .....	6
<a href="#"><u>PRIVACY SETTINGS INFORMATION</u></a> .....	7
<a href="#"><u>MANAGE FAVOURITES</u></a> .....	8
<a href="#"><u>RADIO OVERVIEW</u></a> .....	9
<a href="#"><u>BLUETOOTH - SEARCHING FOR MOBILE PHONES</u></a> .....	10
<a href="#"><u>BLUETOOTH - CREATING A CONNECTION</u></a> .....	11
<a href="#"><u>BLUETOOTH - DEAUTHORIZE A MOBILE TELEPHONE</u></a> .....	12
<a href="#"><u>BLUETOOTH - INTERACTING WITH MOBILE PHONE</u></a> .....	13
<a href="#"><u>SMART LINK</u></a> .....	14
<a href="#"><u>VEHICLE INFORMATION</u></a> .....	15
<a href="#"><u>MEDIA - RADIO, USB, BT AND SMARTLINK</u></a> .....	16
<a href="#"><u>DRIVER ASSISTANCE</u></a> .....	17
<a href="#"><u>SOUND ADJUSTMENTS</u></a> .....	18
<a href="#"><u>SYSTEM SETTINGS</u></a> .....	19
<a href="#"><u>LEGAL INFORMATION</u></a> .....	20
<a href="#"><u>REGULATORY INFORMATION – CE MARKET</u></a> .....	21
<a href="#"><u>REGULATORY INFORMATION – FCC / ISED</u></a> .....	22-24

## GENERAL INSTRUCTIONS



### **Warning!**

The MIB3 can distract your attention from the traffic conditions. You could cause an accident and place yourself and others in danger.

- Always devote your complete attention to the traffic situation.
- Only operate the MIB3 when traffic and driving conditions are appropriate.
- Set the volume to a level that allows you to hear important sounds outside the vehicle e.g. horns, sirens and alarms.
- High volumes can cause hearing damage.
- Always route the connection cable of the external device such that it does not restrict you when driving.

### **Caution**

- In some countries, some Infotainment functions can no longer be selected when the vehicle is running faster than a certain speed. This is not a malfunction, but complies with the national legal regulations.

The MIB3 includes protective circuits that prevent damage to the device as far as possible:

- If the supply voltage is too low or too high, or if the MIB3 becomes too hot, the MIB3 will switch off automatically.
- Never open the MIB3 yourself in the event of a fault! Take the faulty device to be repaired by a competent specialist repairer. We recommend that you use a service center for this work as this will ensure that trained workshop staff and the necessary parts and tools will be available.

## TECHNICAL INFORMATION

The product MIB3 is developed and produced by Panasonic Automotive Systems Europe GmbH. The product is an integrated car entertainment systems. The MIB3 Entry series can support (depending on purchased configuration) several sources like MP3, USB (external connection box), Bluetooth, Wifi, AM/FM radio, android auto, Apple CarPlay and MirrorLink.

Power supply voltage: Nominal: DC +12 [V]

Temperature range: -40 to +80 [degree C]

### RF technical specification – Bluetooth 4.2

Frequency range:	2402 MHz– 2480 MHz
Maximum conducted RF Output Power:	4 dBm or 2.5 mW
Antenna gain:	-6.6 dBi to +1.3 dBi
Modulation:	FHSS

For units with Wifi

### RF technical specification – 2.4GHz Wifi:

Frequency range (no DFS):	2412 MHz – 2484 MHz
Maximum conducted RF Output Power:	17 dBm or 50 mW
Antenna gain:	-10dBi to +0.4 dBi
Modulation:	DSSS / OFDM

## TECHNICAL INFORMATION

For units with Wifi

RF technical specification – 5GHz Wifi:

Frequency Range (no DFS):

Bandwith1:

5 150 - 5 350 MHz:

5180 MHz; 5200 MHz; 5220 MHz; 5240 MHz

5 735 - 5 835 MHz:

5745 MHz; 5765 MHz; 5785 MHz, 5805 MHz, 5825 MHz

Bandwith2:

5 150 - 5 350 MHz:

5190 MHz; 5230 MHz

5 735 - 5 835 MHz:

5755 MHz; 5795 MHz

Bandwith3:

5 150 - 5 350 MHz:

5210 MHz

5 735 - 5 835 MHz:

5775 MHz

Maximum conducted RF Output Power:

14 dBm or 25 mW


Antenna gain:

-5,4 dBi to +0,7 dBi

Modulation:

OFDM

## INTRODUCTION TO OPERATION

Long press on left control dial ① allows to switch the device on and off. Turning left control dial ① allows to change settings like volume. The MIB3 allows access to different menus with the function keys ② located below the display or the icons directly on the touch screen ④. Right control dial ③ allows to browse through menus e.g. ‚Settings‘ and select options by pressing. Sliding over the touch screen ④ left and right shows different pages. Returning to home screen is always possible by pressing the  hard key.

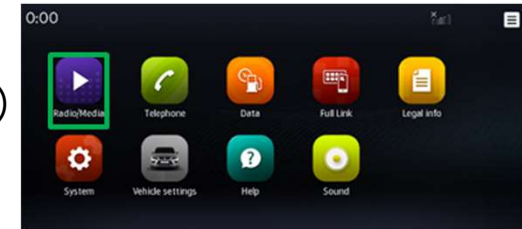


## RADIO - OVERVIEW

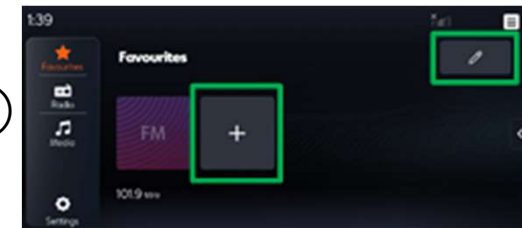
Press the left control dial  to switch the radio on.

1. The AM/FM/DAB Radio can be started by pressing the function key ,Radio' or the touch screen by touching the icon ,Radio'.
2. The main Media screen of MIB3\_EI HU, shows a favorite list. Currently played radio channel or media source can be added by pressing a '+' icon. Also, from this screen, already added favorites can be deleted.
3. By touching the 'Radio' icon, this allows to choose between different sources like AM, FM and DAB bands. By touching any of the available bands, this shows available channels within such band. Automatic scanning of channels can be done by touching the update icon. Manual channel scanning can be done by touching the scan icon.
4. The icon 'Settings' allows to access general media as well as tuner settings and also advanced settings like RDS Regional, Automatic frequency control (AF), Radio Data System (RDS), Autostore of stations logos, etc.

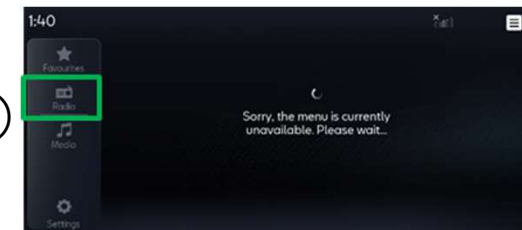
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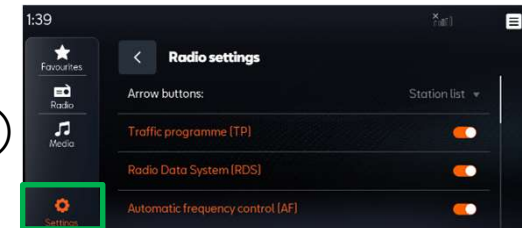
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④

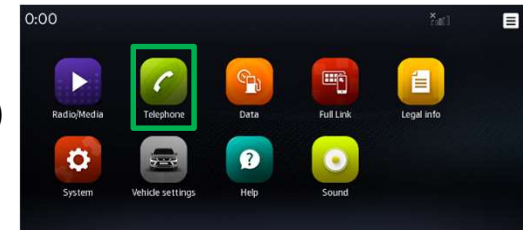


## BLUETOOTH - SEARCHING FOR MOBILE PHONES AND CREATING A CONNECTION

The MIB3 will search for devices that support Bluetooth's Hands Free Profile (HFP) and Audio Streaming Profile (A2DP/AVRCP).

1. On the default menu screen, touch the 'Telephone' icon or from the functions keys, touch the 'Phone' touch button.
2. Follow the indicated message by searching for 'MIB3' device on your mobile phone.
3. If there are already some registered mobile phones to the HU, they will appear in such screen; a mobile phone can be selected from such list.
4. Press on the device of your choice to make a Bluetooth connection and follow the instructions on your phone.

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③



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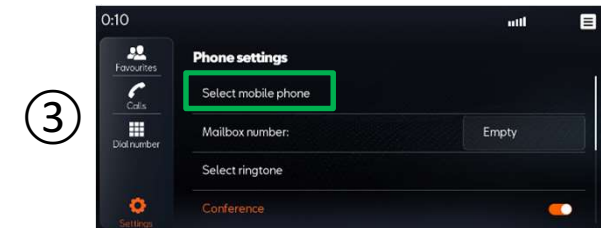
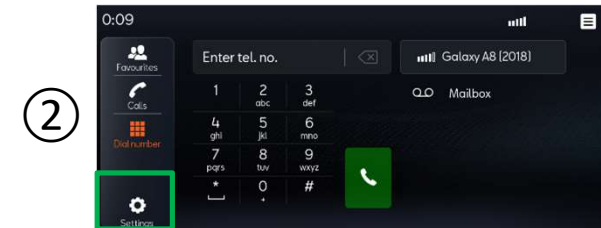
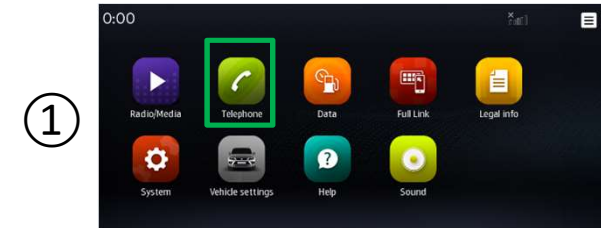




## BLUETOOTH – DEAUTHORIZE A MOBILE PHONE

Deauthorization can be conducted in the menu *,Telephone‘*.

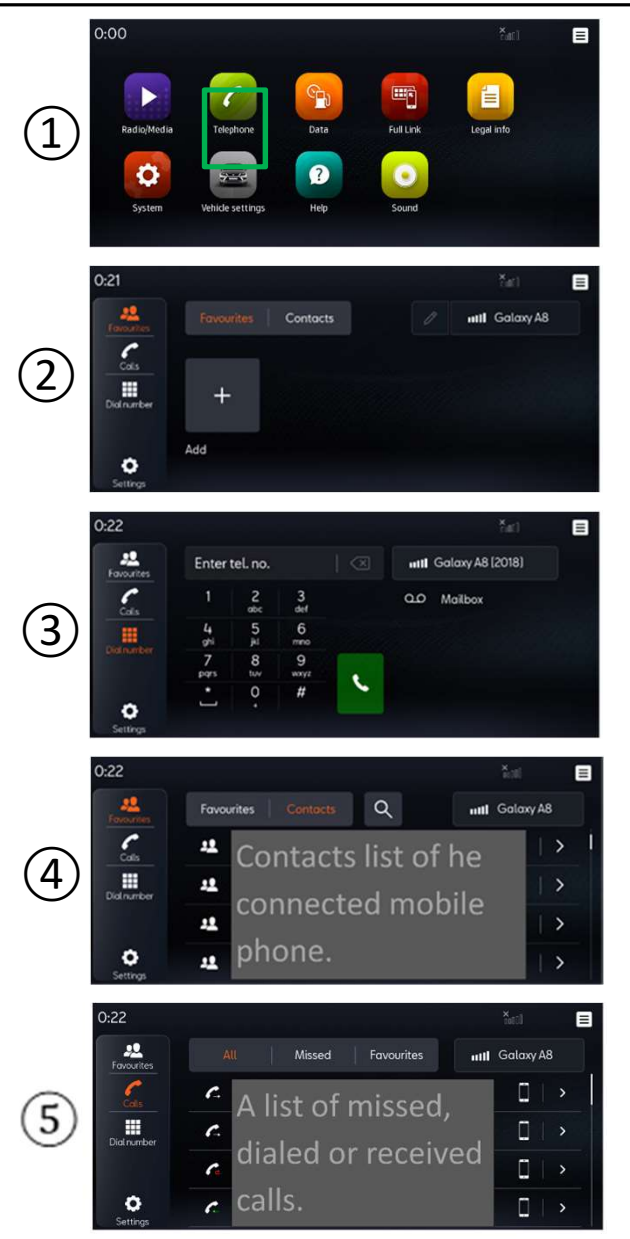
1. On the default menu screen, touch the ‘Telephone’ icon or from the functions keys, press/touch the ‘Phone’ push/touch button.
2. Select the settings icon.
3. Select “Select mobile phone”.
4. Select the disconnect option on the phone that should be disconnected.



## BLUETOOTH – INTERACTING WITH A MOBILE PHONE

After successfully connecting to a mobile phone several new options will be available.

1. On the default menu screen, touch the 'Telephone' icon or from the functions keys, touch the 'Phone' touch button.
2. The Telephone screen will show on top right the name of the connected phone. By pressing on the '+' icon, this allows adding contacts directly from the address book as a favorite.
3. The button 'Dial number' allows to take phone calls or also conduct emergency and Breakdown calls.
4. The 'Contacts' icon opens the contacts list of the connected mobile phone.
5. A list of all missed, dialled or received calls can be accessed by touching the 'Calls' icon.
6. Settings of the connected mobile phone can be modified by touching the 'Settings' icon.



## SmartLink – Android Auto & MirrorLink

1. On the default menu screen, touch the 'SmartLink icon or from the functions keys, touch the 'APP' touch button.

2. Connect the mobile phone with the USB cable. Once the USB connection is established, touch the 'Android Auto' or 'Mirror Link' icon.

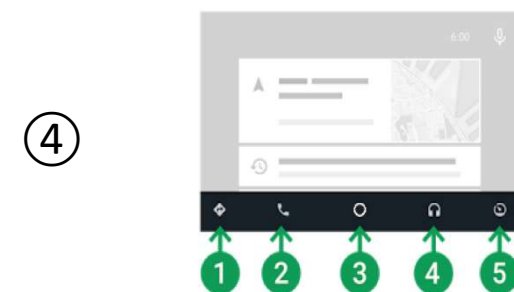
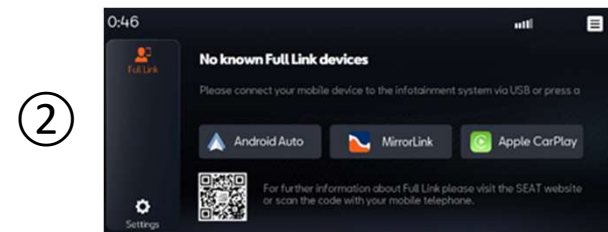
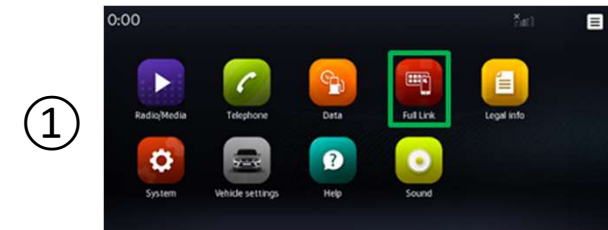
3. Once your phone's connected, you'll see the Android Auto home screen on your car's display. The home screen shows you personally relevant and trip related information like time to your destination, reminders, the current song, and Google Now cards.

1. Navigation suggestions.
2. Reminders.
3. Voice command activation icon.

4. Different Android Auto features can be found at the bottom of the screen:

1. Navigation / Maps
2. Communication / phone calls
3. Home screen
4. Music and audio
5. Return to MIB3 applications.

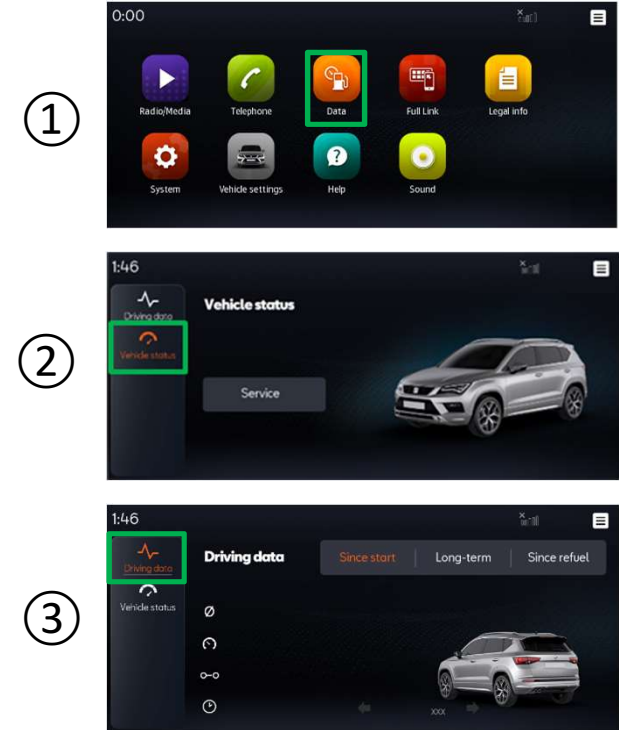
The MIB3 will use GPS signal and media data from the mobile phone.



## VEHICLE INFORMATION

Vehicle information can be displayed by the MIB3.

1. On the default menu screen, select the 'Data' icon or press the 'Vehicle' function key.
2. Several Menus can be accessed by touching the 'Vehicle stat' icon.
3. Offroad Information can be accessed by selecting the 'Offroad' icon.
4. Driving data can be accessed under "Driving Data".

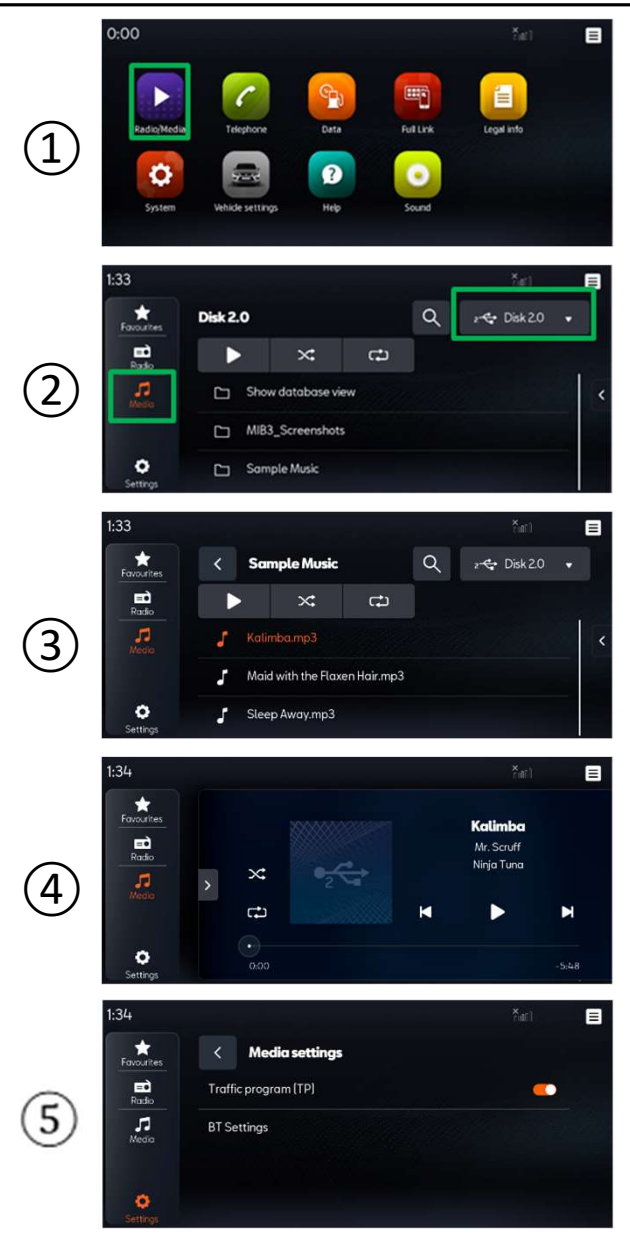


All other media settings can be accessed by touching the  
(!Media icon and selecting '!Media Settings')

## MEDIA – RADIO, USB, BT AND SMARTLINK

In this menu, several audio media sources can be selected for playing.

1. On the default menu screen, touch the 'Audio icon or from the functions keys, touch the 'Audio' touch button.
2. By touching '!Media', different media sources can be selected such as USB1 or USB2, Bluetooth audio or Smart link in the drop down menu.
3. By selecting USB1, USB2 or BT audio sources, a media files list opens with the common media playing and browsing functionalities.
4. A media player can be shown by swipping from right edge to left.
5. All other media settings can be accessed by touching the 'Settings' icon and selecting '!Media Settings'.



## Driver Assistance

In this menu, driver assistance functions can be accessed and adjusted such as cruise control, lane assist, driver alert system, etc..

1. On the default menu screen, select the '*Driver assist.*' icon to access driver assistance functionalities.
2. In the '*Driver assist.*' screen, graphical representations for many driver assistance functions are presented and allow the user to switch the functions on and off.
3. A complete list of driver assistance functions can be accessed and adjusted by selecting the settings icon.

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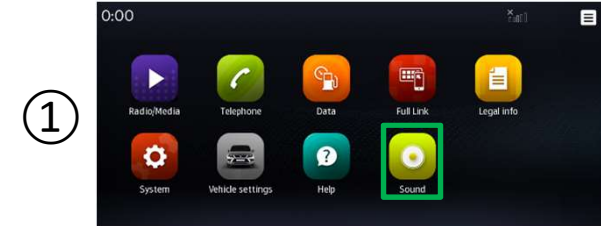
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## SOUND ADJUSTMENT

MIB3 provides several options to individualize the sound in the car.

1. On the default menu screen, touch the 'Sound' icon.
2. The 'equalizer' menu allows basic adjustments to the sound.
3. The 'Sound focus' allows to control the focus point within the car.
4. The button 'Settings' allows to enable or disable touchscreen and menu button tone and change the volume settings.




## SYSTEM SETTINGS

MIB3 system settings allow making a various amount of changes.

1. Select the icon *,Settings'* on the touch screen.
2. The following options are available:

No.	Name	Description
1	Screen	Screen off (in seconds), brightness and other functions
2	Time and date	Time and date
3	Language	Allows to change the current language
4	More keypad languages	Individual adding of characters
5	Units	Changing units
6	WLAN	Creating hot spot (for devices with WLAN)
7	Mobile device data transfer	Activating data transfer to Apps and managing Apps
8	Bluetooth	Switch on/off Bluetooth, control visibility of BT and BT-name
9	Factory settings	Resetting the device complete or by individual functions
10	Remove safely	Remove safely sources like USB
11	System information	Displaying hardware and software information
12	Copyright	Thirt party copyright information
13	Configuration wizard	Guided tour to set needed functions of MIB3

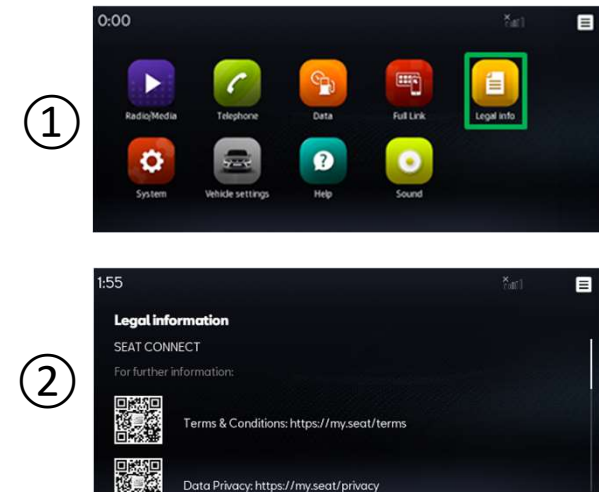
3. Using the icon  leads to the previous page.



## LEGAL INFORMATION

The MIB3 system allows to obtain fast legal information about the system.

1. On the default menu screen select the '*Legal Info*' icon.
2. The '*Legal*' screen shows brief legal information and additional QR codes. With your mobile phone QR camera application, scan one the QR codes to visit the Seat-Connect web pages for further legal information.



## **REGULATORY INFORMATION - EC Market**

### EC Market

#### Declaration of Conformity (DoC)

Hereby, Panasonic Automotive Systems Europe GmbH declares that the radio equipment type Car Radio System with Bluetooth is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:

<http://www.doc.panasonic.de>

The equipment can be used in all countries in the European Union without any restrictions.

## REGULATORY INFORMATION – USA/Canada market

### Modification statement / Déclaration de modification

Panasonic Automotive & Industrial Systems Europe 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.

Panasonic Automotive & Industrial Systems Europe GmbH n'approuve aucune modification apportée a 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.

### Interference statement / Déclaration de l'interférence

This device complies with Part 15 of the FCC Rules and Innovation, Science and Economic Development Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'innovation, Sciences et Développement économique 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'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

### 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 NMB-003.*

### Radiation exposure statement / Déclaration d'exposition aux rayonnements

This device complies with FCC and ISED radiation exposure limits. The antenna should be installed and operated with minimum distance of 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Le présent appareil est en accord aux limites d'exposition humaine aux radiofréquences exigés par FCC et l'ISDE. L'antenne doit être installée de façon à garder une distance minimale de 20 centimètres entre la source de rayonnements et votre corps. L'émetteur ne doit pas être colocalisé ni fonctionner conjointement avec une autre antenne ou autre émetteur.