PORSCHE

Via Bluetooth®

Compatibility and connection

Valid for: 911 from 12/15, 718 Boxster/718 Cayman from 05/16
Macan from 02/16, Cayenne from 05/16, Panamera from 07/16
(Edition: 03/2017)

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Compatible mobile phones

Apple®
iPhone® 5

Apple®
iPhone® 5c

Apple®
iPhone® 5s

Apple®
iPhone® 6

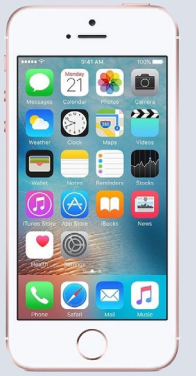
Apple®
iPhone® 6 Plus

Apple®
iPhone® 6s

Apple®
iPhone® 6s Plus

Apple®
iPhone® 7

Apple®
iPhone® 7 Plus



Apple®
iPhone® SE

All of the mobile phones shown are compatible with both PCM with mobile telephone preparation and PCM with telephone module.

Compatible mobile phones

BlackBerry®
PRIV

Google®
Pixel

HTC®
10

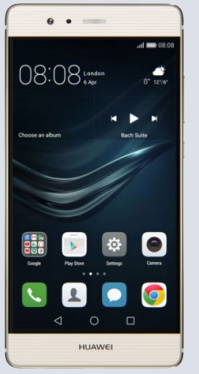
HTC®
Desire 10 Lifestyle

HTC®
One A9

HTC®
One M9

Huawei®
Mate 9

Huawei®
Mate 9 Porsche Design

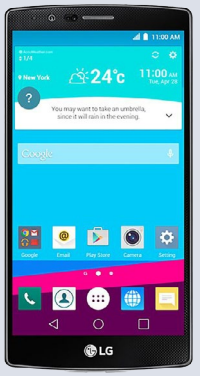


Huawei®
P9

Lenovo®
Moto Z

All of the mobile phones shown are compatible with both PCM with mobile telephone preparation and PCM with telephone module.

Compatible mobile phones



LG®
G4

LG®
G5

Motorola®
X Force

Samsung®
Galaxy A3 (2017)

Samsung®
Galaxy A5

Samsung®
Galaxy A5 (2017)

Samsung®
Galaxy Note 5

Samsung®
Galaxy Note Edge

Samsung®
Galaxy S6

Samsung®
Galaxy S6 edge

All of the mobile phones shown are compatible with both PCM with mobile telephone preparation and PCM with telephone module.

Compatible mobile phones

Samsung®
Galaxy S7

Samsung®
Galaxy S7 edge

Sony®
Xperia XZ

Sony®
Xperia Z5

Sony®
Xperia Z5 Compact

Sony®
Xperia Z5 Premium

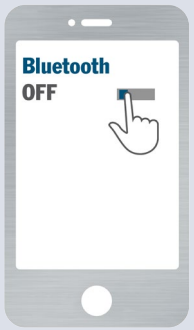
Vodafone®
Smart Platinum 7

ZTE®
Axon 7

All of the mobile phones shown are compatible with both PCM with mobile telephone preparation and PCM with telephone module.

Connection with PCM in the 911, 718 Boxster/718 Cayman, Macan and Cayenne

Pairing Android® devices

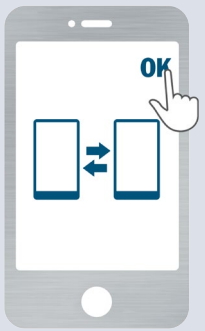


Activate Bluetooth® via 'Settings/ Bluetooth®' and search for visible phones.

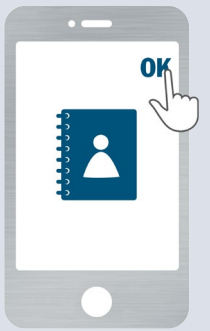
Press the 'PHONE' button.

Select 'Search phone' from the menu. Available devices will be searched for.

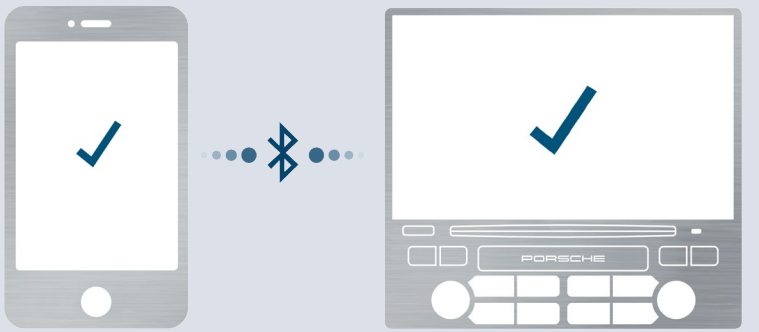
Select 'Android® phone' from the search list.



Confirm pairing code/connection request on the phone.



Agree to SIM access.
Agree to the transfer of contacts, call lists and messages.



Android® device and PCM are now connected. A connection will be established automatically whenever the vehicle is started.

Connection with PCM in the 911, 718 Boxster/718 Cayman, Macan and Cayenne

Pairing Android® devices

Step 1
Activate Bluetooth® on the Android® device via ‘Settings/Bluetooth®’ and search for visible phones.

Step 2
Press the ‘PHONE’ button on the PCM screen.

Step 3
Select ‘Search phone’ from the PCM menu and, where applicable, select ‘New mobile phone’ on the next screen. A search is performed for previously unknown Bluetooth® phones. At the end of the search, the available devices are displayed in a list.

Step 4
Select the Android® device from the PCM search list.

Step 5
Confirm whether the Bluetooth® codes on the phone and PCM match each other.

Step 6
Accept the Android® telephone’s request for SIM access via PCM.

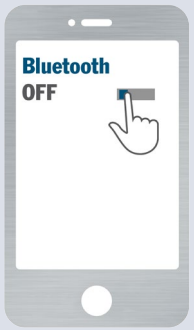
Also accept the Android® device’s request to transfer contacts, call lists and messages to PCM.

Make sure that ‘Always allowed’ is ticked.

Step 7
The Android® device is now connected to PCM via Bluetooth®. The connection will be established automatically whenever the vehicle is started.

Connection with PCM in the 911, 718 Boxster/718 Cayman, Macan and Cayenne

Pairing BlackBerry® devices

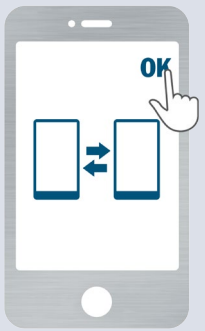


Activate Bluetooth® via ‘Settings/ Networks and Connections/Bluetooth® Connections’.

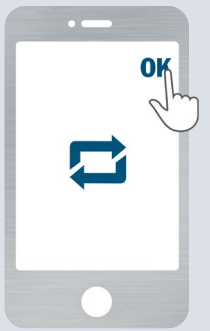
Press the ‘PHONE’ button.

Select ‘Search phone’ from the menu. Available devices will be searched for.

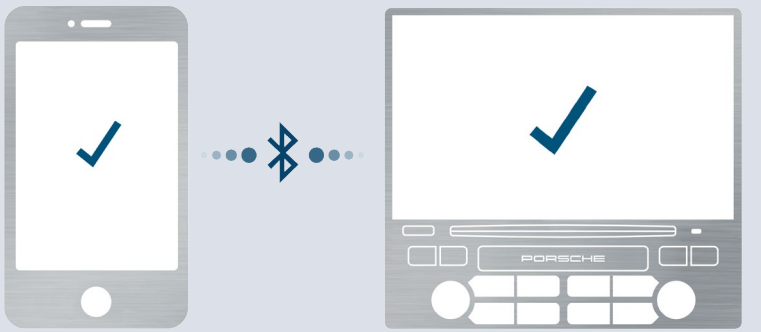
Select ‘BlackBerry®’ from the search list.



Confirm pairing code/connection request on the phone.



Confirm PCM’s connection request.



BlackBerry® and PCM are now connected. The connection will be established automatically whenever the vehicle is started.

Connection with PCM in the 911, 718 Boxster/718 Cayman, Macan and Cayenne

Pairing BlackBerry® devices

Step 1
Select ‘Settings/Networks and Connections/ Bluetooth® Connections’ from the menu on the BlackBerry® and activate Bluetooth®.

Step 2
Press the ‘PHONE’ button on PCM.

Step 3
Select ‘Search phone’ from the PCM menu and, where applicable, select ‘New mobile phone’ on the next screen. A search is performed for previously unknown Bluetooth® phones. At the end of the search, the available devices are displayed in a list.

Step 4
Select the BlackBerry® device from the PCM search list.

Step 5
Confirm whether the Bluetooth® codes on the phone and PCM match each other.

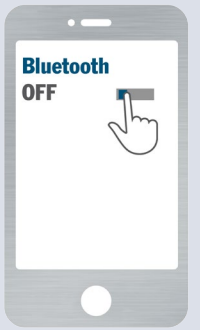
Step 6
Accept the PCM connection request on the BlackBerry®. Make sure that ‘Do not ask this question again’ is ticked.

Step 7
The BlackBerry® is now connected to PCM via Bluetooth®. The connection will be established automatically whenever the vehicle is started.

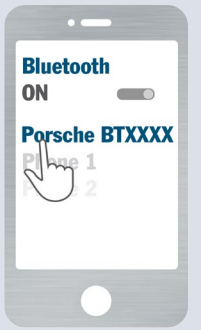
Connection with PCM in the 911, 718 Boxster/718 Cayman, Macan and Cayenne

Pairing iOS® devices

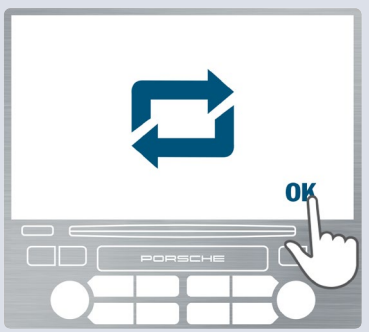
Press the 'PHONE' button.
PCM is visible to external devices.



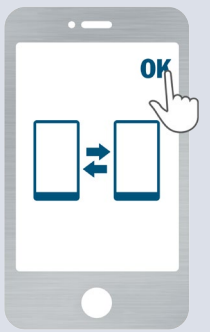
Search for devices
via 'Settings/Bluetooth®'.



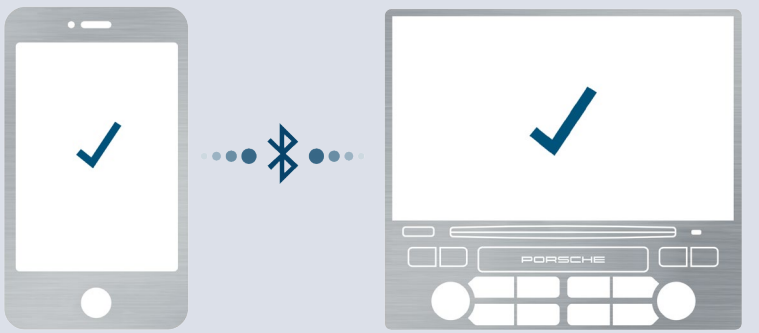
Select 'Porsche BTXXXX'
from the search list.



Confirm incoming connection
on PCM.



Confirm pairing code/connection
request on the phone.



iOS® device and PCM are now connected. A connection will be established
automatically whenever the vehicle is started.

Connection with PCM in the 911, 718 Boxster/718 Cayman, Macan and Cayenne

Pairing iOS® devices

Step 1
Press the ‘PHONE’ button on the PCM screen. No phone connected to PCM. PCM is now visible to external devices.

Step 2
Select ‘Settings/Bluetooth®’ from the menu on the iOS® device. The iOS® device now starts to search for Bluetooth® devices in the vicinity.

Step 3
Select ‘Porsche BTXXXX’ from the iOS® device’s search list.

Step 4
Confirm incoming connection on PCM.

Step 5
Confirm pairing code/connection request on the phone. Pairing is now complete.

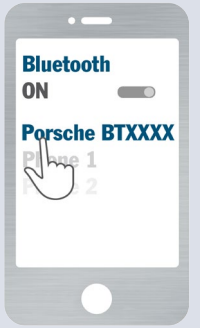
Step 6
The iOS® device is now connected to PCM via Bluetooth®. The connection will be established automatically whenever the vehicle is started.

Connection with PCM in the 911, 718 Boxster/718 Cayman, Macan and Cayenne

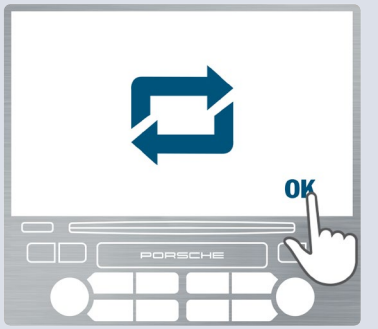
Pairing WinPhone® devices

Press the 'PHONE' button.
PCM is visible to external devices.

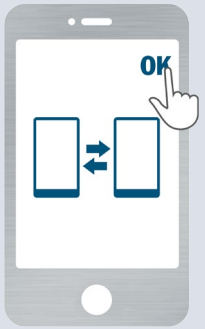
Search for devices
via 'Settings/Bluetooth®'.



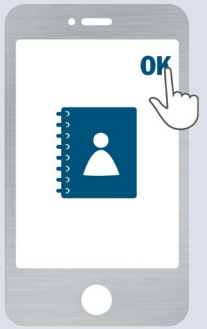
Select 'Porsche BTXXXX'
from the search list.



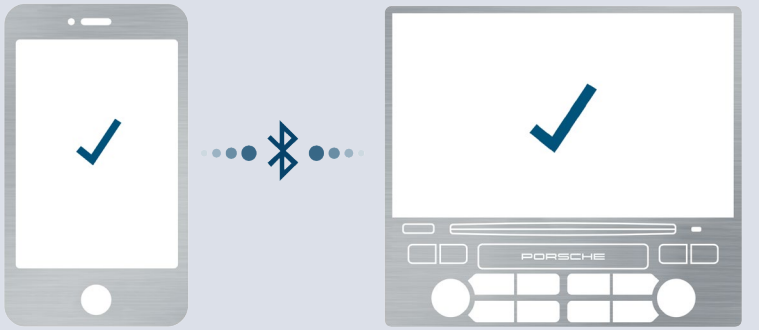
Confirm incoming connection
on PCM.



Confirm pairing code/connection
request on the phone.



Agree to the transfer of contacts
(including photos) to the phone.



WinPhone® device and PCM are connected. A connection will be established automatically whenever the vehicle is started.

Connection with PCM in the 911, 718 Boxster/718 Cayman, Macan and Cayenne

Pairing WinPhone® devices

Step 1
Press the ‘PHONE’ button on PCM. No phone connected to PCM. PCM is now visible to external devices.

Step 2
Select ‘Settings/Bluetooth®’ from the menu on the WinPhone® device. The WinPhone® device now starts to search for Bluetooth® devices in the vicinity.

Step 3
Select ‘Porsche BTXXXX’ from the search list on the WinPhone® device.

Step 4
Confirm incoming connection on PCM.

Step 5
Confirm pairing code/connection request on the phone. Pairing is now complete.

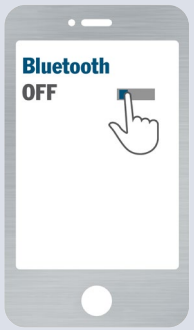
Step 6
Accept the WinPhone® device’s request to transfer contacts including photos to PCM.

Step 7
The WinPhone® device is now connected to PCM via Bluetooth®. The connection will be established automatically whenever the vehicle is started.

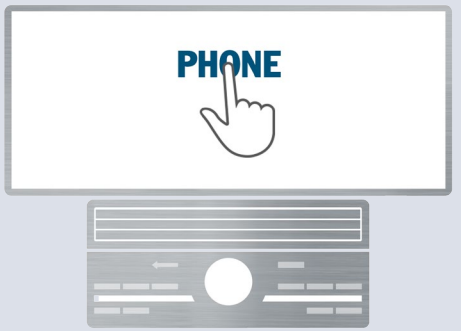
Connection with PCM in the Panamera

Connection with PCM in the Panamera

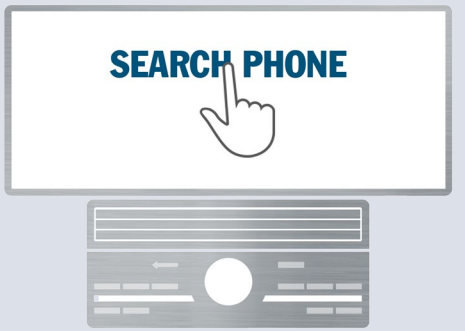
Pairing Android® devices



Activate Bluetooth® via ‘Settings/ Bluetooth®’ and search for visible phones.

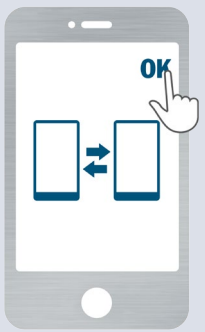


Select ‘PHONE’ from the menu.

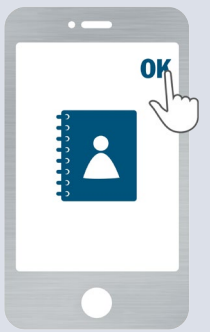


Select ‘Search phone’ from the menu. Available devices will be searched for.

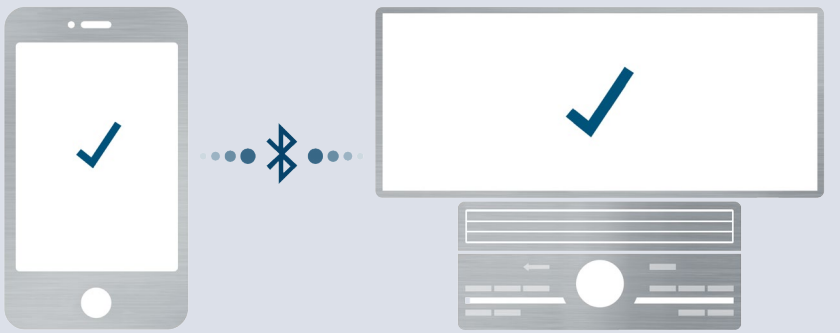
Select ‘Android® Phone’ from the search list.



Confirm pairing code/connection request on the phone.



Agree to SIM access.
Agree to the transfer of contacts, call lists and messages.



Android® device and PCM are now connected. A connection will be established automatically whenever the vehicle is started.

Connection with PCM in the Panamera

Pairing Android® devices

Step 1
Activate Bluetooth® on the Android® device via ‘Settings/Bluetooth®’ and search for visible phones.

Step 2
Select ‘PHONE’ from the PCM menu.

Step 3
Select ‘Search phone’ from the PCM menu and, where applicable, select ‘New mobile phone’ on the next screen. A search is performed for previously unknown Bluetooth® phones. At the end of the search, the available devices are displayed in a list.

Step 4
Select the Android® device from the PCM search list.

Step 5
Confirm whether the Bluetooth® codes on the phone and PCM match each other.

Step 6
Accept the Android® telephone’s request for SIM access via PCM.

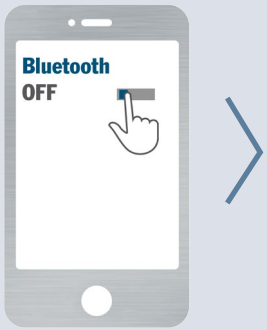
Also accept the Android® device’s request to transfer contacts, call lists and messages to PCM.

Make sure that ‘Always allowed’ is ticked.

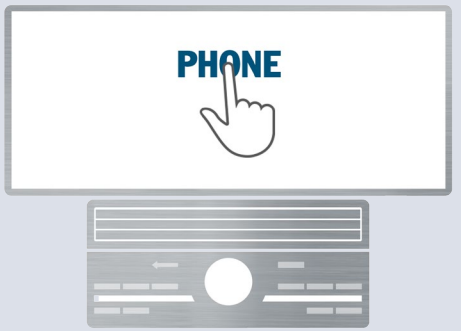
Step 7
The Android® device is now connected to PCM via Bluetooth®. The connection will be established automatically whenever the vehicle is started.

Connection with PCM in the Panamera

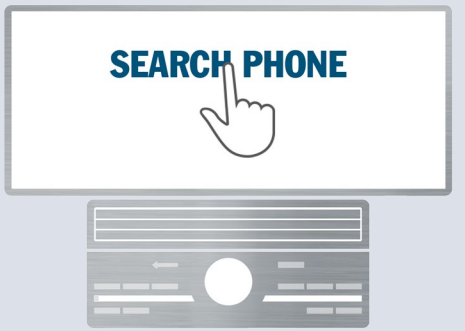
Pairing BlackBerry® devices



Activate Bluetooth® via ‘Settings/ Networks and Connections/Bluetooth® Connections’.

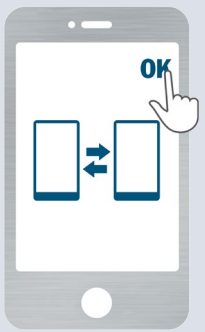


Select ‘PHONE’ from the menu.

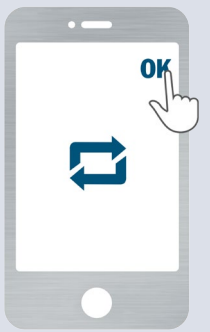


Select ‘Search phone’ from the menu. Available devices will be searched for.

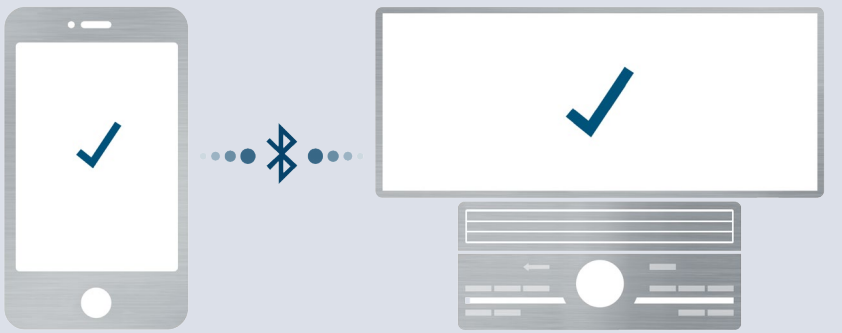
Select ‘BlackBerry®’ from the search list.



Confirm pairing code/connection request on the phone.



Confirm PCM’s connection request.



BlackBerry® and PCM are now connected. The connection will be established automatically whenever the vehicle is started.

Connection with PCM in the Panamera

Pairing BlackBerry® devices

Step 1
Select ‘Settings/Networks and Connections/ Bluetooth® Connections’ from the menu on the BlackBerry® and activate Bluetooth®.

Step 2
Select ‘PHONE’ from the PCM menu.

Step 3
Select ‘Search phone’ from the PCM menu and, where applicable, select ‘New mobile phone’ on the next screen. A search is performed for previously unknown Bluetooth® phones. At the end of the search, the available devices are displayed in a list.

Step 4
Select the BlackBerry® device from the PCM search list.

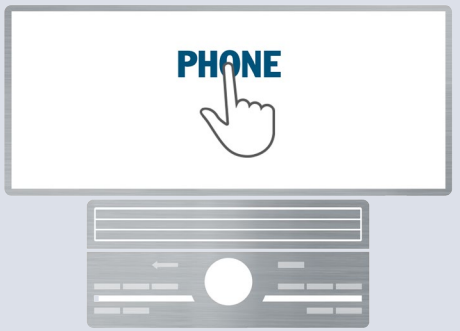
Step 5
Confirm whether the Bluetooth® codes on the phone and PCM match each other.

Step 6
Accept the PCM connection request on the BlackBerry®. Make sure that ‘Do not ask this question again’ is ticked.

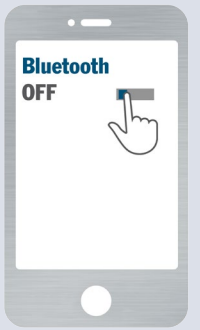
Step 7
The BlackBerry® is now connected to PCM via Bluetooth®. The connection will be established automatically whenever the vehicle is started.

Connection with PCM in the Panamera

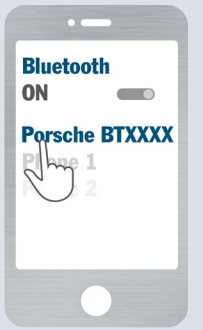
Pairing iOS® devices



Select ‘PHONE’ from the menu.
PCM is visible to external devices.

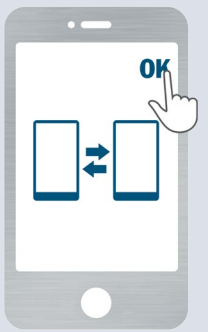


Search for devices
via ‘Settings/Bluetooth®’.

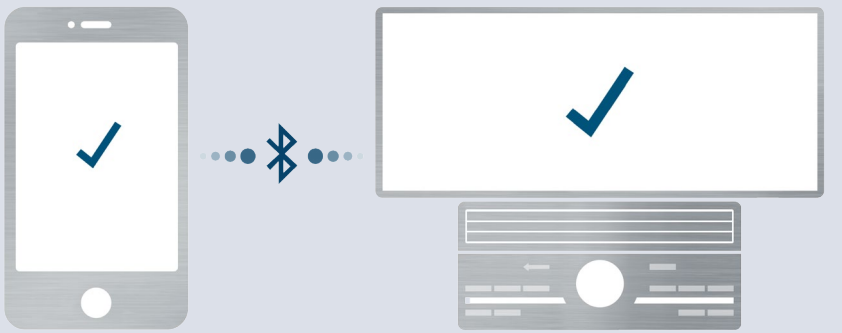


Select ‘Porsche BTXXXX’
from the search list.

Confirm incoming connection
on PCM.



Confirm pairing code/connection
request on the phone.



iOS® device and PCM are now connected. A connection will be established
automatically whenever the vehicle is started.

Connection with PCM in the Panamera

Pairing iOS® devices

Step 1
Select ‘PHONE’ from the PCM menu. No phone connected to PCM. PCM is now visible to external devices.

Step 2
Select ‘Settings/Bluetooth®’ from the menu on the iOS® device and activate Bluetooth®. The iOS® device now starts to search for Bluetooth® devices in the vicinity.

Step 3
Select ‘Porsche BTXXXX’ from the iOS® device’s search list.

Step 4
Confirm incoming connection on PCM.

Step 5
Confirm pairing code/connection request on the phone. Pairing is now complete.

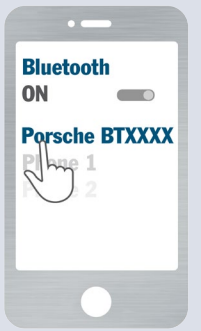
Step 6
The iOS® device is now connected to PCM via Bluetooth®. The connection will be established automatically whenever the vehicle is started.

Connection with PCM in the Panamera

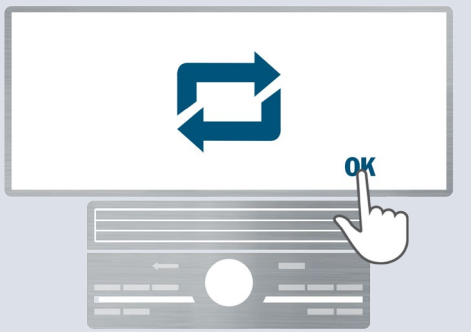
Pairing WinPhone® devices

Select ‘PHONE’ from the menu.
PCM is visible to external devices.

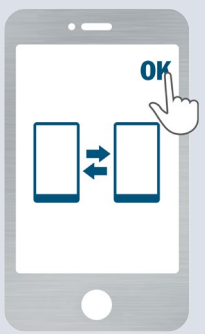
Search for devices
via ‘Settings/Bluetooth®’.



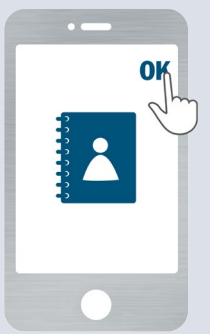
Select ‘Porsche BTXXXX’
from the search list.



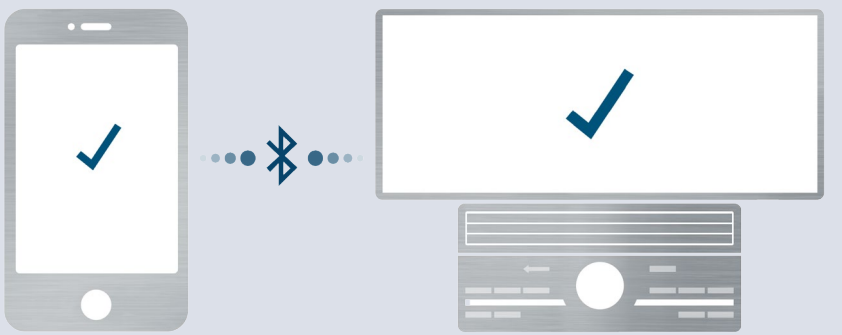
Confirm incoming connection
on PCM.



Confirm pairing code/connection
request on the phone.



Agree to the transfer of contacts
(including photos) to the phone.



WinPhone® device and PCM are connected. A connection will be established automatically whenever the vehicle is started.

Connection with PCM in the Panamera

Pairing WinPhone® devices

Step 1
Select ‘PHONE’ from the PCM menu. No phone connected to PCM. PCM is now visible to external devices.

Step 2
Select ‘Settings/Bluetooth®’ from the menu on the WinPhone® device and activate Bluetooth®. The WinPhone® device now starts to search for Bluetooth® devices in the vicinity.

Step 3
Select ‘Porsche BTXXXX’ from the search list on the WinPhone® device.

Step 4
Confirm incoming connection on PCM.

Step 5
Confirm pairing code/connection request on the phone. Pairing is now complete.

Step 6
Accept the WinPhone® device’s request to transfer contacts including photos to PCM.

Step 7
The WinPhone® device is now connected to PCM via Bluetooth®. The connection will be established automatically whenever the vehicle is started.

Useful information on pairing

Possible reasons for unsuccessful pairing

Regarding PCM:

- In the event that a mobile phone does not appear in the PCM search list due to unfavourable external conditions, you may also begin the pairing process from the mobile phone
- PCM must not be connected with any other mobile telephone
- In the very rare event that PCM forgets the pairing information and no connection can be established between the devices, delete the entry left on the mobile phone and repeat the pairing process

Regarding the mobile phone:

- The user has 30 seconds to confirm the Bluetooth® code, otherwise the pairing process has to be repeated. To do this, reselect PCM from the search list on the mobile phone
- There are situations where the mobile phone will not allow a connection because of an irregular condition. Restarting the mobile phone or removing the battery generally returns the phone to its normal operating condition
- Some phone models allow the user to select supported Bluetooth® profiles. Here too, the profile selections may be forgotten meaning that the connection cannot be established. In most cases, this problem can be solved by activating the Bluetooth® profiles
- Some phone models only respond to a PCM pairing request when their screen is active and visible
- In the very rare event that the mobile phone forgets the pairing information and no connection can be established between the devices, delete the entry left in PCM and repeat the pairing process
- On some phone models, each of the car's connection requests must be confirmed by the press of a button. If this confirmation is not provided, the connection will not be established

Regarding Android® devices:

- Some Android® devices may simply display the authorisation request to transfer the phone book and call lists in the form of an icon in the phone screen header

Regarding BlackBerry® devices:

- On older devices, a prompt to enter a 'Passkey for PCM' may appear on the BlackBerry® during the PCM search. You can ignore or cancel this prompt using the 'Back' button on the BlackBerry®

Regarding iOS® devices:

- The Bluetooth® function on the iOS® device is configured in such a way that a device search normally has to be started from the iOS® device itself
- If an iOS® device was connected with PCM and the pairing has been deleted on PCM, a bug in the iOS® software prevents a connection being established with the mobile phone from PCM. In this case, it is necessary to delete the corresponding entry on the iOS® device and restart the pairing process

Regarding WinPhone® devices:

- The Bluetooth® function on the WinPhone® device is configured in such a way that a device search normally has to be started from the WinPhone® device itself

FAQ

Questions about Bluetooth®

What is Bluetooth®?

Bluetooth® is an industry standard for the wireless networking of electronic devices over short distances of maximum 10 metres. It allows mobile and stationary electronic devices to communicate wirelessly with each other, with Bluetooth® as the interface.

When will Bluetooth® technology be available in my favourite model?

Bluetooth® technology is available in all Porsche models; simply order the mobile phone preparation or telephone module option.

What are the Bluetooth® functions in Porsche cars from 2016?

In Porsche cars with the new PCM system, Bluetooth® is used to better connect mobile phones with the vehicle and enable the use of important phone features in the car. Firstly, the hands-free function with the provision of phone book data and call lists, and secondly, the ability to send and receive messages. Any music stored on the mobile phone can also be transferred to the vehicle via Bluetooth® and then played. If the phone supports the SIM Access Profile (SAP), the user can establish a data connection – in addition to the hands-free function – and use this to access the numerous online services. However, all these features are dependent on the functional scope of the phone being used and may vary in different markets.

Which profile does my mobile phone use if it supports both the SIM Access Profile (SAP) and the Handsfree Profile (HFP)?

If a mobile phone supports the SIM Access Profile (SAP), PCM will try to connect to this profile. If the connection attempt fails, a connection will be established via the Handsfree Profile (HFP). This can also occur during an active call or if external SIM access is disabled on the mobile phone.

How can I tell whether my mobile phone supports the SIM Access Profile (SAP)?

You can find information on the profiles supported by your phone in its operating manual. PCM also lists the profiles reported by your mobile phone in its list of devices, under 'Device details'.

How can I tell whether my mobile phone is connected via the SIM Access Profile (SAP) or Handsfree Profile (HFP)?

The connected profiles are displayed in PCM under 'PHONE/OPT/SET PHONE/ Bluetooth®/Devices/Device Name/Details'. In the Panamera, you can view the SAP connection as an active telephone and data connection in the device manager ('DEVICES'). The SIM Access Profile (SAP) is not supported in all markets.

Why does my mobile phone connect via the Handsfree Profile (HFP) even though it also supports the SIM Access Profile (SAP)?

There are several possible causes:

- The system was started while a call was in progress. In this case, an SAP connection cannot be established, as the call would have to be interrupted. Therefore, the device is first connected via HFP. At the end of the call, the HFP connection is terminated and the SAP is connected
- External SIM access was disabled on the mobile phone
- External SIM access for the mobile phone was deliberately disabled on PCM
- Some mobile phones do not allow a connection via the SIM Access Profile (SAP) if an A2DP connection (BT Audio) is already active. This may be solved by switching PCM's Bluetooth® function off and on again
- If pairing was performed via the mobile phone, the connection cannot be established via the SIM Access Profile (SAP). In this case, the connection is always made via the Handsfree Profile (HFP)

There is a detailed functional overview of mobile phone models that have been compatibility-tested by Porsche, starting on page 44. An explanation of the terms used here can be found in the glossary, starting on page 39.

FAQ

Questions about mobile phones

Can I still use the car's mobile phone preparation without a Bluetooth®-enabled mobile phone?
No, unfortunately this is not possible.

Can I use the mobile phone preparation with any Bluetooth®-enabled mobile phone?
Your mobile phone must support the Bluetooth® Handsfree Profile (HFP).

Why do mobile phones differ in terms of their operation and functions?
The implementation of the Bluetooth® standard tends to vary among manufacturers and models, and even in different firmware versions of the same phone. As a result, your mobile phone's behaviour when used in the car may differ from that of other mobile phones and you may not be able to use all the options provided by your PCM with mobile phone preparation.

Why is a mobile phone's firmware such an important factor?
Often, new mobile phone firmware versions not only offer new functions, but also fix bugs present in previous firmware versions. So please ensure that the firmware on your phone is as up-to-date as possible.

Can I pair a second phone with the car?
Yes. Before pairing a second Bluetooth® phone, however, you should terminate the connection with your current device.

Do I need a cradle to use my phone with the car's mobile phone preparation?
To use your Bluetooth® mobile phone with the car's mobile phone preparation, no mobile phone cradle is strictly required. Some markets offer a smartphone compartment with the new PCM system. By inserting the mobile phone into the smartphone compartment, the radio signals are transmitted to the car's external aerial, which improves the phone reception in the car and reduces radiation in the interior. However, in markets where a smartphone compartment is not offered, the use of a mobile phone cradle is recommended to improve reception in the interior and charge the mobile phone battery.

What happens when there are several mobile phones in the car at the same time?
The car's mobile phone preparation can be connected to a maximum of two mobile phones. You can, however, pair up to 20 devices in the car and then actively switch between these devices. When the system starts up, it automatically searches for the most recently connected mobile phone. If the system does not find this device within 15 seconds, it then searches for any other paired phones.

Can I send text messages using the mobile phone preparation?
Yes. The system is able to send both text and e-mail messages. However, your mobile phone must also support this feature. To simplify text entry, you can select the appropriate text from a range of templates or create your own templates.

Where can I find more information about the pairing process and operation of the car's mobile phone preparation?
You can find more details about the operation of the mobile phone preparation in the PCM operating instructions.

Who can I contact when having problems with Bluetooth®-enabled phones?
If you have any questions about your mobile phone, please contact the retailer or mobile phone provider from whom you purchased the device. The conditions of the respective phone manufacturer exclusively apply.

There is a detailed functional overview of mobile phone models that have been compatibility-tested by Porsche, starting on page 44. An explanation of the terms used here can be found in the glossary, starting on page 39.

FAQ

Questions about connecting two mobile phones

Can I simultaneously connect two phones to the PCM system?

In cars that were built after May 2016 or have received a software update, it is possible to simultaneously connect two phones to the car. When you receive a call on one of the two devices, this is displayed on PCM. You can use the hands-free function to accept and conduct the call without having to operate either of the devices while driving.

Why can I only see information about one phone even though two devices are connected?

To simplify the operation on PCM, there is always only one active phone. You use this phone to make calls and access information such as your phone book, call lists and messages. The other phone is connected in the background, but cannot be actively used. If you receive an incoming call on the background phone, however, this is instantly displayed on PCM and can be immediately accepted.

How are the phones connected?

An easy way of connecting devices is to use the device manager, which pairs the devices to be connected via Bluetooth® or WiFi, and also assigns the various connection services, such as phone 1, phone 2, media player, data connection, WiFi hotspot and smartphone integration. You can access the device manager by pressing the telephone icon in the status bar or via the 'PHONE' options menu. In the Panamera, there is a separate 'DEVICES' tab for the device manager. In some markets, it is possible to make calls via the inserted SIM card. In this case, one of the two phones can also be the inserted SIM card.

How can I switch between the phones?

Depending on the vehicle model, you can switch the roles of the two phones by tapping the relevant telephone icon or telephone name in the PCM screen header. In this case, the current background phone now takes precedence and its information, such as address book, call lists and messages, becomes visible. However, this feature is only available if the two phones are actually connected.

What happens if the primary phone is disconnected?

If the primary phone is disconnected (empty battery or phone removed from car), the second phone remains connected in the background, but is still not visible. In this case, the background phone must be specifically activated as required, either via the 'Search phone' feature or the device manager.

There is a detailed functional overview of mobile phone models that have been compatibility-tested by Porsche, starting on page 44. An explanation of the terms used here can be found in the glossary, starting on page 39.

FAQ

Questions about PCM with mobile phone preparation

Which functions are supported in PCM with a connection established by mobile phone preparation?

The range of supported functions varies greatly between different mobile phones. The mobile phone preparation in PCM supports the following functions in principle:

- pairing of a mobile phone with search initiated from the car or phone
- automatic connection of a paired device at system start-up
- basic phone functions (making, receiving and ending calls)
- hands-free capability via the in-car system
- status displays such as network name and signal strength
- transfer of phone book contacts and call lists, as well as text and e-mail messages, from the mobile phone
- sending and receiving of text and e-mail messages
- sending of DTMF tones
- starting and ending a second call, call toggling and conference calling

Why can't I set the ringtone in PCM?

This setting is disabled for all mobile phone models that can transfer their ringtone to PCM via Bluetooth®. PCM then uses the phone's ringtone. The ringtone cannot be set on PCM in this case, but has to be set on the phone.

Why doesn't my PCM ring when a call comes in?

This can happen if you are using a phone that transfers its ringtone to PCM via Bluetooth®. If you've set your device to 'Silent' or 'Meeting', for example, neither your phone nor PCM may ring.

There is a detailed functional overview of mobile phone models that have been compatibility-tested by Porsche, starting on page 44. An explanation of the terms used here can be found in the glossary, starting on page 39.

FAQ

Questions about PCM with telephone module

What are the differences between PCM with telephone module and PCM with mobile phone preparation?
The PCM system with telephone module, which is supplied in many markets with the new Connect Plus option, is a data modem that provides a data connection for the use of online services. It requires a SIM card to be inserted directly into PCM. In some markets, it is also possible to use the telephone module for phone calls. The PCM telephone module is also connected to a WiFi hotspot, which can be used to access the Internet provided there is an active data connection for the available devices (mobile phones, tablets).

Which mobile phones can I use to operate PCM with telephone module?
In principle, all mobile phones with at least the Handsfree Profile (HFP).

Can I use two SIM cards at the same time?
No, this is not possible.

Which functions does PCM with telephone module support?
With the new Connect Plus option in many markets, you are getting a telephone module that is primarily intended to establish a data connection for the use of data services. In some markets, it is also possible to make calls via the telephone module. In such cases, the following functions can be used:

- pairing of a mobile phone with search initiated from the car or phone (NB: if you want to make calls via the telephone module, you must be connected via the Bluetooth® SIM Access Profile (SAP). Please initiate the pairing from your PCM)
- automatic connection of a paired device at system start-up
- basic phone functions (making, receiving and ending calls)
- hands-free capability via the in-car system
- status displays such as network name and signal strength
- transfer of phone book contacts and call lists, as well as text and e-mail messages, from the mobile phone or from the inserted SIM card
- sending and receiving of text and e-mail messages
- sending of DTMF tones
- starting and ending a second call, call toggling and conference calling

The PCM telephone module is also connected to a WiFi hotspot, which can be used to access the Internet provided there is an active data connection for the available devices (mobile phones, tablets).

Can I remove the ignition key during a telephone call?
Yes. You can park the vehicle and remove the ignition key during a call. PCM remains on until you or the person on the other end actively terminates the call. If your mobile phone is connected to PCM via the Handsfree Profile (HFP), you can transfer the call to your mobile phone after parking the car and continue the call outside.

Can the inserted SIM card also be used to make calls?
Yes. In some markets, a SIM card inserted into PCM can also be used for making calls. The user can select this option when inserting a new SIM card into PCM. This option can also be retrospectively enabled or disabled via ‘PHONE/OPT/SET PHONE/Telephone’. If in these cases a mobile phone is connected via the Bluetooth® SIM Access Profile (SAP), the telephone module voice connection is always used, as well as the data connection.

There is a detailed functional overview of mobile phone models that have been compatibility-tested by Porsche, starting on page 44. An explanation of the terms used here can be found in the glossary, starting on page 39.

FAQ

Questions about PCM with telephone module

Can I use the phone book from my mobile phone, even if I make a call via the inserted SIM card?
Yes you can. You can assign the phone book of your mobile phone to the inserted SIM card if you'd like to use this to make calls. Simply select the 'Transfer phone book' option via 'PHONE/OPT/SET PHONE/Contacts'. You must decide which phone you want to use for the phone book function. Once configured, this phone book will be used every time you drive the vehicle, provided the car can find the appropriate phone and establish a connection to it.

Can I transfer the phone book to PCM with telephone module?
Yes. The phone book contacts on a SIM card inserted into PCM or on a mobile phone connected via Bluetooth® are transferred to PCM with each system start-up.

Why is my phone number being shown to others even though the withhold-my-number function is enabled on my mobile phone?
The withhold-my-number setting depends on the device. If your mobile phone is connected to PCM via the SIM Access Profile (SAP), only your mobile phone SIM card is being used; the call itself takes place via PCM. However, you can also enable the withhold-my-number function in PCM ('PHONE/OPTION/SET PHONE/Call settings').

Can I send and receive text messages with PCM with telephone module?
Yes. Text messages can be sent and received with PCM with telephone module.

Why can't I see all the text messages from my mobile phone in the car?
The Bluetooth® SIM Access Profile (SAP) used to implement the text message function allows access to the SIM card of the connected mobile phone. Consequently, only those text messages stored on the SIM card are visible in the car.

After the SIM Access connection has been terminated, why doesn't my mobile phone show the text messages I received in the car?
Mobile phones often only show those text messages stored in the device's memory. In this type of phone, a text message received in the car does not appear in your phone's message list because the message was stored on the SIM card.

If I delete a text message in the car, is it automatically deleted on the mobile phone as well?
Yes. A text message deleted on PCM is physically deleted from the mobile phone, provided this function is supported by the phone.

Can I also receive multimedia messages with PCM with telephone module?
No. PCM with telephone module does not support multimedia messaging.

Can I use the telephone functions of the iOS® device via the USB cable without a Bluetooth® connection?
Yes you can. In some markets, the new Connect Plus option allows you to use your iOS® device's CarPlay® function. Using CarPlay®, you can make calls, send and receive messages, play music or get directions. It is not necessary to establish a Bluetooth® connection to PCM to use this application.

There is a detailed functional overview of mobile phone models that have been compatibility-tested by Porsche, starting on page 44. An explanation of the terms used here can be found in the glossary, starting on page 39.

FAQ

Questions about information on the mobile phone

Can I access the telephone numbers and call lists stored on my mobile phone from PCM?
Access to the phone book and call lists of a mobile phone depends on its range of functions. With some devices, for example, it is not possible to access contacts (address book) stored on the device itself. Others may transfer this information but only provide one phone number per name. Another possibility is that the user must confirm the PCM request by pressing a button on the phone. If this confirmation is not provided, neither the phone book nor call lists will be transferred.

Why is my phone book not displayed correctly in my car?
The transfer and display of your phone book by PCM depends on your individual mobile phone. Please note the following points:

- The maximum number of phone book contacts in cars with PCM is limited to 4,000
- Some mobile phones sort the contacts as 'first name, surname' or 'surname, first name'. As a result, your PCM phone book listing may differ from that of your mobile phone
- Some phone models only transfer one number per name. In this case, information about the type of number is often also missing
- Some mobile phones also have problems transferring data when special characters are used
- Some contacts may be duplicated if they are stored on both the SIM card and the device itself
- The phone book in PCM may be empty if your mobile phone has confirmed a data transfer without sending any data
- Linked contacts are displayed as a single entry on the mobile phone but multiple entries are transferred to PCM. As PCM does not support linked contacts, it displays each entry separately

Can I transfer contact pictures from the mobile phone to the car?
Yes you can. However, this function must also be supported by the mobile phone.

Can I use addresses from the phone book to get directions?
Yes you can also do this. Search for the required name in the phone book and select the address in 'Details'. PCM will then display a detailed map and you can begin route guidance to the selected address.

What is the maximum number of phone book contacts that I can transfer to PCM?
PCM's phone book memory can store a maximum of 4,000 telephone numbers.

Can I edit or add to the contacts in my device's phone book from the car?
No. You must edit the contacts on the phone itself. You can, however, transfer the updated phone book to the car for immediate use, by means of the 'Transfer phone book' function.

How many contacts from my mobile phone call lists can be transferred to PCM?
PCM can accept a maximum of 60 contacts per call list.

Why can't I see the calls made on my mobile phone while driving?
If a mobile phone is connected via the SIM Access Profile (SAP), it will not recognise or store any calls made while external SIM access is enabled.

There is a detailed functional overview of mobile phone models that have been compatibility-tested by Porsche, starting on page 44. An explanation of the terms used here can be found in the glossary, starting on page 39.

FAQ

Questions about information on the mobile phone

Which functions are supported with the e-mail and text message function?
The e-mail and text message function supports the reading of messages (e-mail and text) stored on the smartphone and transferred to PCM via the Bluetooth® Message Access Profile (MAP). It is also possible to perform write operations, such as sending, answering, forwarding and deleting messages.

All messages are displayed in date order on a list on PCM. Once messages have been read, they are then marked as read on the smartphone. PCM also allows the message text to be read aloud. Only the actual message text (especially e-mails) can be displayed. Attachments are not supported by PCM and will not be displayed.

To simplify text entry while driving, you can select the appropriate text from a range of templates or create your own templates. The new Connect Plus option also allows you to create and send messages using your voice.

In any event, your smartphone must also support these functions. The e-mail function is currently only supported by a small number of smartphones (see the detailed functional overview, starting on page 44).

What do I need to be able to transfer e-mails and text messages via the Message Access Profile (MAP)?
To use this function, you will need a mobile phone that supports the Message Access Profile (MAP). While many of the latest smartphones currently support this profile, it is often only for text messages. In this case, e-mails cannot be transferred to or sent from PCM.

What is the maximum number of text messages and e-mails that can be transferred from my phone to PCM?
A maximum of 50 text messages and 100 e-mails can be downloaded by PCM.

Why are no e-mails being downloaded from my smartphone?
There are devices that support the Message Access Profile (MAP) in principle but have only implemented this for text/multimedia messages. In this case, no e-mails are transferred to PCM and the corresponding list remains blank.

Why can't I see e-mails and/or text messages from my BlackBerry®?
Company-owned devices often have data encryption enabled in the interests of security. If you connect such an encrypted device to PCM and it also happens to be locked, no messages will be transferred by Bluetooth® to PCM as this contradicts the BlackBerry® security philosophy. In this case, the BlackBerry® must first be unlocked and the message download restarted. Depending on the software version of the BlackBerry®, the Bluetooth® connection must also be completely terminated before the new download is attempted. To do this, simply open the device manager by tapping the signal strength icon in the footer and go to the 'Telephone' menu. Now tap the BlackBerry® to first disconnect it and then again to reconnect it. In the Panamera, open the device manager by tapping 'DEVICES'.

There is a detailed functional overview of mobile phone models that have been compatibility-tested by Porsche, starting on page 44. An explanation of the terms used here can be found in the glossary, starting on page 39.

FAQ

Questions about information on the mobile phone

Why are no messages (texts and e-mails) being downloaded from my iOS® device?
In iOS® devices, the ability to transfer messages via the Message Access Profile (MAP) is implemented in a different way from that of other smartphones. While a connection is being established with PCM, the iOS® device does not allow stored messages to be downloaded, but only transfers those text messages received by the locked iOS® device while the car is being driven. In addition, the transfer of messages to PCM must be authorised on the iOS® device.

Whey aren't my e-mails being displayed in full?
To reduce the amount of data to be transferred, the mobile phone usually only downloads part of the e-mail from the e-mail server. The rest of the e-mail can then be downloaded as required. Due to the restricted PCM memory, all e-mails are also limited to a maximum size of 5 kilobytes. Any content above 5 kilobytes is truncated.

Why do I only see e-mails from one account even though I have several accounts on my mobile phone?
Many smartphones do not support the transfer of e-mails from multiple accounts to PCM. Often, only those e-mails managed by the manufacturer's own app will be transferred.

There is a detailed functional overview of mobile phone models that have been compatibility-tested by Porsche, starting on page 44. An explanation of the terms used here can be found in the glossary, starting on page 39.

FAQ

Questions about audio streaming

What must I do to be able to use Bluetooth® audio streaming (BT Audio)?
Audio streaming via Bluetooth® is enabled in all vehicles with the new PCM system. Mobile phones that support the relevant profiles (A2DP/AVRCP) will now be connected to these profiles automatically whenever the system is started. You can see if the connection has been successful in the device manager, under 'Music' and/or 'Bluetooth® Audio'.

Which functions are supported with Bluetooth® audio streaming (BT Audio)?
The supported functions are determined by the scope of functions implemented in the mobile device. Devices that are not controlled via Bluetooth® have to be operated from the device itself. The minimum functionality with Bluetooth® control comprises 'Start Player', 'Pause', 'Next Track' and 'Previous Track'. Some devices additionally support rewind and fast forward (operated via arrow buttons on PCM). Newer devices usually already support the transfer of track names and, in some cases, further metadata such as the artist and album name of the track currently being played, as well as the launching of the audio player when the corresponding BT Audio source is selected on PCM. Depending on the functionality of the connected Bluetooth® device, you can search the content of audio files and select the desired track on PCM (browsing).

Why is the BT Audio source not activated immediately after a system start?
To start with, the BT Audio source always needs a Bluetooth® connection with a corresponding mobile phone or Bluetooth® player. This connection is not available immediately after PCM start-up because connection priority is initially given to the phone profiles – SIM Access Profile (SAP) or Handsfree Profile (HFP) – and only then to the audio profiles (A2DP/AVRCP).

What can I do if the audio profiles cannot connect?
It may be that the audio profiles are not connected. In this case, it often helps to restart the mobile phone. To do this, simply, briefly remove the battery or reset the device (please refer to your mobile phone operating instructions).

Why is there no audio playback even though the BT Audio source is enabled?
- Many devices do not allow the audio player to be launched remotely. In this case, the player and corresponding apps will have to be launched manually from the mobile phone. It will then be possible to operate the audio player using PCM
- There is no memory card in the mobile phone, or the music is not in the expected directory of the memory card, meaning that the data cannot be found by the mobile phone
- With some mobile phones or Bluetooth® players, the volume of the music being played by PCM depends on the volume setting on the mobile device
- In simple implementations, the same command is used to operate the 'Play' and 'Pause' functions. In this case, no feedback is given on the current status of the player. This may result in the player being paused instead of playing

Why is audio streaming via BT Audio sometimes impaired?
Sometimes, the quality of audio streaming via BT Audio may be impaired by the limited Bluetooth® bandwidth. This is most likely to happen when searching for new devices or when connecting and reconnecting devices. In these situations, PCM therefore stops audio connectivity via Bluetooth®.

There is a detailed functional overview of mobile phone models that have been compatibility-tested by Porsche, starting on page 44. An explanation of the terms used here can be found in the glossary, starting on page 39.

FAQ

Questions about data connection

How can I establish a data connection to PCM?

The new Connect Plus option enables you to establish a data connection that allows you to use the various online services or operate a WiFi hotspot in PCM. There are several ways of establishing a data connection:

- SIM card – inserting a SIM card into the PCM telephone module allows it to establish a data connection
- Bluetooth® SAP – in some markets, a connection via the Bluetooth® SIM Access Profile (SAP) can also be used to establish a data connection. However, this kind of connection is only supported by a small number of mobile phones (see the detailed functional overview, starting on page 44)
- Tethering via WiFi – alternatively, you can use your phone's mobile hotspot for the data connection

What size SIM card do I need?

You need a mini SIM (2FF).

How will I know whether a data connection has been established?

An established data connection can be identified by the appropriate icon in the status bar (double arrow). The type of data connection is identified by LTE (connection via LTE network), 3G (connection via UMTS network) or E (connection via GSM/EDGE network). If no letter is displayed, there is no viable data connection.

Why might I be unable to establish a data connection?

The data connection depends on a number of things (SIM card, mobile phone network and data access to the Internet). A missing data connection may be caused by any of the following:

- invalid SIM card or data service not permitted with the SIM card (no data plan)
- data volume exceeded (e. g. with prepaid SIM cards)
- data roaming not permitted with the SIM card or not enabled in PCM
- poor reception
- incorrect APN settings (Internet access). The APN settings are available from your network operator
- call in progress on the SIM card. On some networks, a data connection is only possible if there is no call in progress

How can I establish a connection via WiFi tethering?

In the case of WiFi tethering, the data connection is established via your phone's mobile hotspot. After enabling the mobile hotspot on your phone, access the 'Data connection' menu in the device manager or tap the relevant icon. You will then be prompted to search for external WiFi hotspots on PCM. When you've located your mobile hotspot, you must enter the appropriate password on PCM (at least eight characters). After correctly entering the password, the connection will be automatically established.

Why isn't the data connection via WiFi tethering automatically re-established at start-up?

In order to extend the battery life of the mobile phone, many devices disable the hotspot if it hasn't been actively used for a period of time. In this case, you must enable the hotspot on your mobile phone prior to start-up, so as to automatically re-establish the WiFi connection.

There is a detailed functional overview of mobile phone models that have been compatibility-tested by Porsche, starting on page 44. An explanation of the terms used here can be found in the glossary, starting on page 39.

FAQ

Questions about the PCM hotspot

How do I use my car's WiFi hotspot (PCM hotspot)?

If you've established a data connection to your PCM, you can use the PCM WiFi hotspot to supply other external devices (mobile phones, tablets, notebooks) with an Internet connection. Simply go to the device manager and select 'PCM hotspot'. You can access the device manager by pressing the telephone icon in the status bar or via the 'PHONE' options menu. In the Panamera, there is a separate 'DEVICES' tab for the device manager.

How can I maintain an Internet connection on my mobile phone and therefore receive e-mails if using a SAP connection?

If the mobile phone is connected to the car via the SIM Access Profile (SAP), the vehicle uses the phone's SIM card to establish a data connection via its own telephone module. In this case, the mobile phone can no longer use the SIM card to log into the mobile phone network. In order to still be able to establish an Internet connection, the phone can be connected to the car's WiFi hotspot. To do this, select 'PCM hotspot' in the device manager and follow the instructions on the screen. You can access the device manager by pressing the telephone icon in the status bar or via the 'PHONE' options menu. In the Panamera, there is a separate 'DEVICES' tab for the device manager.

There is a detailed functional overview of mobile phone models that have been compatibility-tested by Porsche, starting on page 44. An explanation of the terms used here can be found in the glossary, starting on page 39.

FAQ

Questions about smartphone integration (Apple® CarPlay)

What do I need to do to be able to use Apple® CarPlay in my car?

The new Connect Plus option allows you to use Apple® CarPlay in your car. Make sure that you're using the latest iOS® version (iOS® 7.1 or higher is required). Connect your iPhone® via the cable to the correct USB port. If two USB ports are present, please note that only one port supports CarPlay®. You will now be asked whether you want to connect your device as iPod® (no CarPlay®) or via CarPlay®. Select CarPlay® and confirm the user information.

What impairments should I expect when connecting via Apple® CarPlay?

In order to avoid conflicts when driving the vehicle with CarPlay® enabled, the Bluetooth® connection between the car and the active CarPlay® device must be completely separate. You therefore have to decide whether you want to use features such as making and receiving calls, media playback and messaging via Bluetooth® or via CarPlay®. Making and receiving calls via the SIM card (only permitted in some markets) is also disabled if the CarPlay® function is active. When it comes to navigation, however, you can choose between PCM navigation or that of your CarPlay® device.

There is a detailed functional overview of mobile phone models that have been compatibility-tested by Porsche, starting on page 44. An explanation of the terms used here can be found in the glossary, starting on page 39.

FAQ

Questions about the Porsche Connect app

How do I establish a connection to the Porsche Connect app?

The Porsche Connect app allows you to access additional services in the car via your mobile phone. To do this, you must first download the Porsche Connect app to your iOS® or Android® device from the relevant app store. To establish a connection to the car, you must connect your mobile phone to PCM via WiFi. You can use the PCM hotspot to connect your mobile phone. If you've already established a data connection via WiFi tethering, you can use this to connect to Porsche Connect. Finally, launch the app on your mobile phone. The additional services of the Porsche Connect app will now appear in the app menu on your PCM system. You can also access the available music services as sources in the 'Media' menu.

There is a detailed functional overview of mobile phone models that have been compatibility-tested by Porsche, starting on page 44. An explanation of the terms used here can be found in the glossary, starting on page 39.

Glossary

A

Apple® CarPlay
CarPlay® is an Apple® standard that allows important applications of your Apple® device to be controlled via your PCM display while driving. The most important applications are making and receiving calls, messaging, audio playback and navigation. Other apps are possible. Both the approval of CarPlay® in individual countries and the approval of apps for CarPlay® are exclusively managed by Apple®.

Audio player
An audio player is a software application on a portable device (e. g. mobile phone) for playing audio files stored on the device.

Authorisation
In order for a Bluetooth® connection to be automatically established, the requesting device must be authorised on the other device. This authorisation is performed automatically on some phones, while on others it must be explicitly performed by the user in the Bluetooth® device list.

Auto-connect
If two devices have been paired with each other and are therefore authorised to exchange data, either device can automatically transmit a connection request from the application that is automatically answered by the second device. It is therefore possible for a Bluetooth® mobile phone to be automatically connected every time the car is started. In order for the mobile phone request to be answered, the requesting system must be authorised on the mobile phone.

B

Bluetooth®
Bluetooth® is an industry standard for the wireless networking of electronic devices over short distances of maximum 10 metres. It allows mobile electronic devices such as mobile phones and PDAs (Personal Digital Assistants) as well as PCs and peripherals (e. g. keyboards) to communicate wirelessly with each other, with Bluetooth® as the interface.

Bluetooth® Advanced Audio Distribution Profile (A2DP)
Bluetooth® Advanced Audio Distribution Profile (A2DP) enables digital audio data (e. g. MP3s) to be streamed wirelessly from a data source (portable MP3 player or mobile phone) to a receiver (headphones or vehicle sound system). It is used by PCM for the BT Audio source.

Bluetooth® Audio
Bluetooth® Audio describes an external audio source in PCM (similar to iPod® or USB), by which the audio data stored on a mobile device can be streamed via Bluetooth® and played via the PCM sound system. Required Bluetooth® profiles are A2DP and AVRCP.

Bluetooth® Audio Video Remote Control Profile (AVRCP)
The Bluetooth® Audio/Video Remote Control Profile (AVRCP) enables the remote control of an audio player on a mobile device (e. g. portable MP3 player or mobile phone). Supported functions depend heavily on the actual implementation on the mobile phone or Bluetooth® player in question. The minimum functionality comprises ‘Start Player’, ‘Pause’, ‘Next Track’ and ‘Previous Track’. Newer devices already support the transfer of some metadata (name, artist and album of the track currently being played) and even the launching of the audio player when the relevant BT Audio source is selected on PCM, or advanced player functions such as ‘Shuffle’ and ‘Repeat’.

Glossary

Bluetooth® Handsfree Profile (HFP)

The Bluetooth® Handsfree Profile (HFP) enables an existing in-car audio system to be used for hands-free calls and the user to access the mobile phone functions via the vehicle controls. The Bluetooth® Handsfree Profile (HFP) is supported in all phone variants in PCM. Typical functions include making, receiving and ending calls, as well as establishing and terminating the audio connection. The Bluetooth® Handsfree Profile (HFP) defines how the phone should be controlled and how the necessary audio data is transferred.

The implementation of the Bluetooth® Handsfree Profile (HFP) tends to vary among phone manufacturers and models, and even in different firmware versions for the same phone. As a result, one mobile phone may behave differently from another even though all phones are said to support the Bluetooth® Handsfree Profile (HFP).

Bluetooth® Message Access Profile (MAP)

The Bluetooth® Message Access Profile (MAP) allows e-mails and text messages to be transferred between the mobile phone and PCM. Messages that are already stored on the mobile phone or are received while driving can then be displayed on PCM or read aloud. The implementation in PCM gives read-only access to messages. It is not possible to compose or reply to messages. However, it is possible to extract phone numbers from messages and therefore easily call the sender back. Although this profile is still not widely supported, take-up is increasing, particularly in high-end smartphones.

Bluetooth® Phone Book Access Profile (PBAP)

The Bluetooth® Phone Book Access Profile (PBAP) is designed to allow the transfer of phone book content and call lists from a mobile phone. This transfer takes place after a Bluetooth® connection has been established between PCM and the mobile phone. However, the transfer of phone content depends on the device. Some parts of the phone book (e. g. SIM card contacts) may therefore be omitted because they are not shared by the phone. The Phone Book Access Profile (PBAP) is only supported by newer phone models.

Bluetooth® search – inquiry

The one-off pairing of two devices requires a search (inquiry) to be initiated by one of the devices, whereby potential Bluetooth® partners are first identified. After the devices have been paired, the connection will be established via a direct connection request rather than a search.

Bluetooth® SIM Access Profile (SAP)

The Bluetooth® SIM Access Profile (SAP) enables both the network-specific information used to authenticate the subscriber as well as certain SIM card data to be transferred from one device to another. A typical application is in the car, where the user can operate a permanently installed car phone using the SIM card from their mobile phone. The Bluetooth® SIM Access Profile (SAP) allows users of PCM with built-in telephone module to use the car's external aerial without having to insert a SIM card into PCM. They can also access the phone book contacts and text messages on their SIM card and, depending on the mobile phone's range of functions, the contacts in the device memory. The Bluetooth® SIM Access Profile (SAP) is only supported by a limited number of phone models.

Glossary

D

Device manager

The PCM device manager administers the connections to external devices such as mobile phones via Bluetooth®, WiFi or cable. You have the option of connecting your device to various services, such as telephony and audio streaming, and of establishing a data connection to use the many online services as well as the Porsche Connect app or Apple® CarPlay. You can access the device manager by pressing the telephone icon in the status bar or via the 'PHONE' options menu. In the Panamera, there is a separate 'DEVICES' tab for the device manager.

Select the appropriate service and follow the instructions to connect your device. If the device is previously unknown to the vehicle, you will be prompted to undertake a pairing process, e. g. for Bluetooth® or WiFi. If you want to change the connection configuration, simply select another device for the appropriate service in the device manager.

DTMF

DTMF (Dual Tone Multiple Frequency) is a method of telephone signalling, which can be used, for example, to transmit tones whenever the keypad is operated during a call, e. g. to operate the mailbox or voice server.

I

In-band ringing

Some mobile phones are able to transfer their ringtone to the vehicle via Bluetooth®. When a call comes in, PCM then rings with the tone set on the phone rather than with its own tone. In this case, the ringtone settings in PCM are not active. The ringtone can only be set via the mobile phone.

M

Mobile phone preparation

Mobile phone preparation (in conjunction with PCM) is a typical Bluetooth® hands-free system based on the Bluetooth® Handsfree Profile (HFP). The Bluetooth® mobile phone preparation supports the following functions in principle:

- pairing of a mobile phone with search initiated from the car or phone
- automatic connection of a paired device at system start-up
- basic phone functions (making, receiving and ending calls)
- hands-free capability via the in-car system
- status displays such as network name and signal strength
- transfer of phone book contacts and call lists from the mobile phone
- sending of DTMF tones
- transfer of text messages and e-mails from the mobile phone

Since the range of supported functions varies greatly between different mobile phones, please refer to the detailed information relevant to your vehicle equipment and mobile phone, starting on page 44.

O

Online search

From 2016, the online search feature in PCM allows users to look for points of interest in various search localities (near car, near destination or free location input) by entering a search term. The query is sent to a GOOGLE® server which returns a response. The results are displayed in a list on PCM.

Online services

Online services is how we refer to those functions that download their information to the car via a mobile Internet connection. From June 2016, PCM in all models supports GOOGLE® Earth, online search and online traffic services, as well as other app information services (parking space search, fuel prices, news, etc.). Services such as web radio, app destinations and calendar can also be used via the Porsche Connect app.

Glossary

Pairing

Before a connection can be established between two Bluetooth® devices, they have to undergo a one-off registration (pairing) process for their own security. To begin this process, a Bluetooth® search (inquiry) is initiated on one of the devices to find all devices within range. A list of visible devices is then displayed (device class permitting). Once the desired device has been selected, it will be necessary to enter and confirm the same numeric code (passkey) on both devices. If both devices support Secure Simple Pairing (PCM as of November 2012), it will only be a case of confirming whether the six-digit codes displayed on both devices are identical, which makes pairing considerably easier. If pairing was successful, the devices will now be authorised to exchange digital data (system or user data, such as speech, audio or video) unless the pairing is deleted on either device.

PCM hotspot

The PCM hotspot is a WiFi hotspot in PCM that can provide external devices in the car with an Internet connection. The prerequisite for this is an existing data connection via an inserted SIM card, Bluetooth® SAP connection or external hotspot (WiFi tethering).

Porsche Connect app

The Porsche Connect app is an app for iOS® and Android® that can provide the driver with additional information services that can be operated on PCM. This includes the ability to search for points of interest before setting out and then automatically transfer these from your mobile phone to your car (app destinations), for example. Other additional services are music services and accessing your smartphone's calendar.

Registration status

Registration status refers to the current status of the connection to a mobile phone network. If the phone is connected to a mobile network, the network name will be displayed, provided the phone transfers this information. Other possible statuses include 'Network search' and 'Registration failed'.

Secure Simple Pairing (SSP)

Secure Simple Pairing is a method of authorising (pairing) Bluetooth® devices, whereby a six-digit code is generated and displayed on both devices. The user simply has to confirm that the codes match each other.

Signal strength

Signal strength is an indicator of the general reception quality of the mobile phone. It cannot, however, be used to evaluate the quality of a particular call because the quality of individual voice channels in a mobile network cell can vary considerably. The signal strength is displayed on PCM whenever the phone paired with the car is connected to a network cell, provided the mobile phone shares this information.

SIM card

A SIM card (SIM – Subscriber Identity Module) is a mandatory requirement to gain access to a GSM network. In addition to access authorisation for the GSM network, a SIM card may also contain other personal data (phone book and SMS text messages). Access to the network and the data is protected by a PIN that must be entered on the device.

Glossary

Smartphone compartment

The smartphone compartment is an active mobile phone cradle. By inserting your mobile phone into the smartphone compartment, the radio signals are transmitted to the car's external aerial, which improves the phone reception in the car and reduces radiation in the interior. Please ensure that you insert the back of your mobile phone into the smartphone compartment (not the display), in order to achieve the optimum coupling performance.

Smartphone integration

As regards smartphone integration, PCM supports Apple® CarPlay technology (see Apple® CarPlay).

T

Toggling/conferencing

During an active call, the user has the option of accepting another incoming call and then switching between the two calls (toggling). The user can also merge the two calls into a threeway conference call. These functions are supported by many mobile phones. Whether or not these functions can be controlled by PCM depends on the mobile phone's range of Bluetooth® functions.

W

Web radio

Web radio (or Internet radio) is an audio service distributed by online radio stations. In PCM, web radio is accessible via the Porsche Connect app (iOS® and Android®).

WiFi tethering

WiFi tethering enables you to establish a data connection via your phone's mobile hotspot, so that you can use mobile online services in your car.

Detailed overview of functions

	Connection			Status display			Phone functions					Phone book, call lists, text and e-mail					Remote SIM access*				MP3 audio streaming via Bluetooth® (BT Audio)	Porsche Connect app*	External WiFi hotspot*	Firmware version
	Pairing from vehicle	Pairing from mobile phone	Auto-connect	Registration status	Signal strength	Network name	Basic phone functions	Additional call/ toggling	Conference call	DTMF tones	Ringtone from mobile phone (in-band ringing)	Contacts on SIM card	Contacts on device	Call lists	SMS	E-mail	Pairing from vehicle	Auto-connect	SIM phone book	SMS downloading from SIM				
Apple® models																								
iPhone® 5	–	•	•	•	•	•	•[1]	•[2]	•	•	•	–	•[3]	•	–[4]	–	–	–	–	–	•[5]	•	•	iOS® 10.2.1
iPhone® 5c	–	•	•	•	•	•	•[1]	•[2]	•	•	•	–	•[3]	•	–[4]	–	–	–	–	–	•[5]	•	•	iOS® 10.2.1
iPhone® 5s	–	•	•	•	•	•	•[1]	•[2]	•	•	•	–	•[3]	•	–[4]	–	–	–	–	–	•[5]	•	•	iOS® 10.2.1
iPhone® 6	–	•	•	•	•	•	•[1]	•[2]	•	•	•	–	•[3]	•	–[4]	–	–	–	–	–	•[5]	•	•	iOS® 10.2.1
iPhone® 6 Plus	–	•	•	•	•	•	•[1]	•[2]	•	•	•	–	•[3]	•	–[4]	–	–	–	–	–	•[5]	•	•	iOS® 10.2.1
iPhone® 6s	–	•	•	•	•	•	•[1]	•[2]	•	•	•	–	•[3]	•	–[4]	–	–	–	–	–	•[5]	•	•	iOS® 10.2.1
iPhone® 6s Plus	–	•	•	•	•	•	•[1]	•[2]	•	•	•	–	•[3]	•	–[4]	–	–	–	–	–	•[5]	•	•	iOS® 10.2.1
iPhone® 7	–	•	•	•	•	•	•[1]	•[2]	•	•	•	–	•[3]	•	–[4]	–	–	–	–	–	•[5]	•	•	iOS® 10.2.1
iPhone® 7 Plus	–	•	•	•	•	•	•[1]	•[2]	•	•	•	–	•[3]	•	–[4]	–	–	–	–	–	•[5]	•	•	iOS® 10.2.1
iPhone® SE	–	•	•	•	•	•	•[1]	•[2]	•	•	•	–	•[3]	•	–[4]	–	–	–	–	–	•[5]	•	•	iOS® 10.2.1

• compatible/function supported – incompatible/function not supported * Only with Connect Plus (possible market-specific restrictions).

[1] Bluetooth® may disconnect intermittently.
[2] Intermittent issues when accepting waiting calls.
[3] No transfer of contact pictures.
[4] No SMS downloading, only newly received SMS, no SMS sending, authorisation on mobile phone required
[5] Connection by iPod® cable recommended.

Detailed overview of functions

	Connection			Status display			Phone functions					Phone book, call lists, text and e-mail					Remote SIM access*				MP3 audio streaming via Bluetooth® (BT Audio)	Porsche Connect app*	External WiFi hotspot*	Firmware version
	Pairing from vehicle	Pairing from mobile phone	Auto-connect	Registration status	Signal strength	Network name	Basic phone functions	Additional call/ toggling	Conference call	DTMF tones	Ringtone from mobile phone (in-band ringing)	Contacts on SIM card	Contacts on device	Call lists	SMS	E-mail	Pairing from vehicle	Auto-connect	SIM phone book	SMS downloading from SIM				
BlackBerry® models																								
PRIV	•	•	•	•	•	•	•	•	•	•	–	•	•	•	•	–	•[6]	•[7]	•	•	•[8]	–	•	Android® 5.1.1
Google® models																								
Pixel	•	•	•	•	•	•	•	•	•	•	–	–	•	•	•	–	•	•	•	•	•	•	•	Android® 7.1
HTC® models																								
10	•	•	•	•	•	•	•	•	•	•	–	•	•	•	•	–	•	•	•	•	•	•	•	Android® 6.0.1
Desire 10 Lifestyle	•	•	•	•	•	•	•	•	•	•	–	–	•	•	•	–	•	•	•	•	•	•	•	Android® 6.0.1
One A9	•	•	•	•	•	•	•	•	•	•	–	•	•	•	•	–	•	•	•	•	•	•	•[9]	Android® 6.0.1
One M9	•	•	•	•	•	•	•	•	•	•	–	•	•	•	•	•	•	•	•	•	•[10]	•[11]	•	Android® 6.0

• compatible/function supported – incompatible/function not supported * Only with Connect Plus (possible market-specific restrictions).

[6] When pairing, enable 'Always allow' on mobile phone.
[7] Once the Bluetooth® connection is lost, the PIN may have to be re-entered on the mobile phone.
[8] Stability problems when rewinding and fast forwarding.
[9] External hotspot not always visible in mobile phone.
[10] Intermittent connectivity issues when using Bluetooth® Audio.
[11] Sporadic problems when opening Napster.

Detailed overview of functions

	Connection			Status display			Phone functions					Phone book, call lists, text and e-mail					Remote SIM access*				MP3 audio streaming via Bluetooth® (BT Audio)	Porsche Connect app*	External WiFi hotspot*	Firmware version
	Pairing from vehicle	Pairing from mobile phone	Auto-connect	Registration status	Signal strength	Network name	Basic phone functions	Additional call/ toggling	Conference call	DTMF tones	Ringtone from mobile phone (in-band ringing)	Contacts on SIM card	Contacts on device	Call lists	SMS	E-mail	Pairing from vehicle	Auto-connect	SIM phone book	SMS downloading from SIM				
Huawei® models																								
Mate 9	•	•	•	•	•	•	•	•	•	•	–	–	•	•	•	–	–	–	–	–	•	•	•	Android® 6.0.1
Mate 9 Porsche Design	•	•	•	•	•	•	•	•[12]	•	•	–	–	•	•	•	–	–	–	–	–	•	•	•	Android® 7.0
P9	•	•	•	•	•	•	•	•	•	•	–	•	•	•[13]	•	–	–	–	–	–	•	•	•	Android® 6.0
Lenovo® models																								
Moto Z	•	•	•	•	•	•	•	•	•	•	–	–	•	•	•	–	–	–	–	–	•	•	•	Android® 6.0.1
LG® models																								
G4	•	•	•	•	•	•	•	•	•	•	–	•	•	•	•	–	•	•	•	•	•[10), 14]	•	•	Android® 6.0
G5	•	•	•	•	•	•	•	•	•	•	–	•	•	•	•	–	•	•	•	•	•	•	•	Android® 6.0.1
Motorola® models																								
X Force	•	•	•	•	•	•	•	•	•	•	–	•	•	•	•	–	–	–	–	–	•	•	•	Android® 6.0.1

• compatible/function supported – incompatible/function not supported * Only with Connect Plus (possible market-specific restrictions).

[10] Delays in controlling Bluetooth® Audio.
[12] Intermittent issues when accepting waiting calls.
[13] Incorrect timestamp.
[14] Intermittent connectivity issues when using Bluetooth® Audio.

Detailed overview of functions

	Connection			Status display			Phone functions					Phone book, call lists, text and e-mail					Remote SIM access*				MP3 audio streaming via Bluetooth® (BT Audio)	Porsche Connect app*	External WiFi hotspot*	Firmware version
	Pairing from vehicle	Pairing from mobile phone	Auto-connect	Registration status	Signal strength	Network name	Basic phone functions	Additional call/ toggling	Conference call	DTMF tones	Ringtone from mobile phone (in-band ringing)	Contacts on SIM card	Contacts on device	Call lists	SMS	E-mail	Pairing from vehicle	Auto-connect	SIM phone book	SMS downloading from SIM				
Samsung® models																								
Galaxy A3 (2017)	•	•	•	•	•	•	•	•	•	•	–	•	•	•	•	•	•	•	•	•	•	•	•	Android® 6.0.1
Galaxy A5	•	•	•	•	•	•	•	•	•	•	–	•	•	•	•	•	•	•	•	•	•	•	•	Android® 5.1.1
Galaxy A5 (2017)	•	•	•	•	•	•	•	•	•	•	–	•	•	•	•	•	•	•	•	•	•	•	•	Android® 6.0.1
Galaxy Note 5	•	•	•	•	•	•	•	•	•	•	–	•	•	•	•	•15)	–	–	–	–	•10)	•	•	Android® 6.0.1
Galaxy Note Edge	•	•	•	•	•	•	•	•	•	•	–	•	•	•	•	•	•	•16)	•	•	•	•	•	Android® 5.1.1
Galaxy S6	•	•	•16)	•	•	•	•	•	•	•	–	•	•	•	•	•	•	•16)	•	•	•	•	•	Android® 6.0.1
Galaxy S6 edge	•	•	•	•	•	•	•	•	•	•	–	•	•	•	•	•	•	•16)	•	•	•	•	•	Android® 6.0.1
Galaxy S7	•	•	•	•	•	•	•	•	•	•	–	•	•	•	•	•	•	•17)	•	•	•	•	•	Android® 6.0
Galaxy S7 edge	•	•	•	•	•	•	•	•	•	•	–	•	•	•	•	•	•	•17)	•	•	•	•	•	Android® 6.0.1

• compatible/function supported – incompatible/function not supported * Only with Connect Plus (possible market-specific restrictions).

10) Delays in controlling Bluetooth® Audio.
15) E-mail app must be open on the mobile phone.
16) Problems when reconnecting after leaving the Bluetooth® range.
17) Sporadic connection problems during an active conversation.

In some cases, Bluetooth® connectivity is lost.
We recommend disabling the transfer of messages on your mobile phone.

Detailed overview of functions

	Connection			Status display			Phone functions					Phone book, call lists, text and e-mail					Remote SIM access*				MP3 audio streaming via Bluetooth® (BT Audio)	Porsche Connect app*	External WiFi hotspot*	Firmware version
	Pairing from vehicle	Pairing from mobile phone	Auto-connect	Registration status	Signal strength	Network name	Basic phone functions	Additional call/ toggling	Conference call	DTMF tones	Ringtone from mobile phone (in-band ringing)	Contacts on SIM card	Contacts on device	Call lists	SMS	E-mail	Pairing from vehicle	Auto-connect	SIM phone book	SMS downloading from SIM				
Sony® models																								
Xperia XZ	•	•	•	•	•	•	•	•	•	•	–	•	•	•	•	•	–	–	–	–	•	•	•	Android® 7.0
Xperia Z5	•	•	•	•	•	•	•	•	•	•	–	•	•	•	•	•	–	–	–	–	•	•	•	Android® 6.0
Xperia Z5 Premium	•	•	•	•	•	•	•	•	•	•	–	•	•	•	•	–	–	–	–	–	•	•	•	Android® 6.0
Xperia Z5 Compact	•	•	•	•	•	•	•	•	•	•	–	•	•	•	•	–	–	–	–	–	•	•	•	Android® 6.0
Vodafone® models																								
Smart Platinum 7	•	•	•	•	•[18]	•	•	•	•	•	–	•	•	•	•	–	•	•	•	•	•	•	•	Android® 6.0.1
ZTE® models																								
Axon 7	•	•	•	•	•[19]	•	•	•	•	•	–	•[20]	•	•	–	–	–	–	–	–	•[21]	•	•	Android® 6.0.1

• compatible/function supported – incompatible/function not supported * Only with Connect Plus (possible market-specific restrictions).

[18] No network and field strength indicator.
[19] No field strength indicator.
[20] Numbers are displayed twice in PCM.
[21] Intermittent connectivity issues when using Bluetooth® Audio.

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