PORSCHE

Mobile Communication

Compatibility of Bluetooth® mobile phones with PCM/CDR-30 in the Boxster/Cayman/911 models

1. Compatibility list for Bluetooth® mobile phones

Bluetooth® hands-free phone interface is standard on all Boxster/Cayman/911 models.

	Manufacturer	Model	Compatible with PCM or CDR-30
	Apple	iPhone® 3G	●
	Apple	iPhone® 3GS	●
	BlackBerry®	Curve™ 8530 smartphone (CDMA)	●
	BlackBerry®	Curve™ 8900 smartphone	●
	BlackBerry®	Bold™ 9000 smartphone	●
	BlackBerry®	Storm™ 9500 smartphone	●
	BlackBerry®	Storm2™ 9520 smartphone	●
	BlackBerry®	Storm™ 9530 smartphone (CDMA)	●
	BlackBerry®	Tour™ 9630 smartphone (CDMA)	●

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• compatible

1. Compatibility list for Bluetooth® mobile phones

	Manufacturer	Model	Compatible with PCM or CDR-30
	BlackBerry®	Bold™ 9700 smartphone	●
	LG	enV3 (CDMA)	●
	LG	Versa (CDMA)	●
	LG	enV touch (CDMA)	●
	LG	Chocolate Touch (CDMA)	●
	Nokia	E71	●
	Nokia	E75	●

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• compatible

1. Compatibility list for Bluetooth® mobile phones

	Manufacturer	Model	Compatible with PCM or CDR-30
	Nokia	N97 mini	●
	Nokia	X3	●

The presence of Bluetooth® devices other than the active telephone such as Bluetooth® headsets, etc., may interfere with the proper operation of the Bluetooth® connection between the PCM/CDR-30 and the active telephone. To avoid this problem, make sure that all other Bluetooth® accessories are turned off when using the PCM/CDR-30 Bluetooth® connection.

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When CDMA telephones are operated with the PCM/CDR-30, audio quality in hands-free telephoning may be impaired and some telephone models do not offer full support of PCM functions. In these cases we recommend deactivating the 'Second Call' function in the PCM.

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• compatible

2. Detailed overview of functions

Manufacturer	Model	Firmware version	Compatible with PCM or CDR-30	Connection			Status display			Phone functions					Phone book			Remote SIM Access*				Comments
				Pairing from vehicle	Pairing from device	Auto-connect	Register state	Signal strength	Network name	Basic phone functions	Additional call/ call transfer*	Conference call*	DTMF tones	Ringtone from mobile phone (in-band ringing)*	Contacts on SIM card	Contacts on device	Call lists	Pairing from vehicle	Auto-connect	SIM phone books	SMS download	
Apple	iPhone® 3G	3.1.3	•	-	•	•	•	•	•	•	•	•	•	-	-	•	•	-	-	-	-	
Apple	iPhone® 3GS	3.1.3	•	-	•	•	•	•	•	•	•	•	•	-	-	•*	•	-	-	-	-	1 - Switch BlackBerry® to wait mode in Bluetooth menu
BlackBerry®	8530 Curve™ (CDMA)	5.0.0.337	•	•1	•	•	•	•	•	•	-	-	•	-	-	•*	•*	-	-	-	-	1 - Switch BlackBerry® to wait mode in Bluetooth menu
BlackBerry®	8900 Curve™	5.0.0.411	•	•1	•	•	•6	•	•	•	•	•	•	-	-	•	•	•1	•	•	•	1 - Switch BlackBerry® to wait mode in Bluetooth menu 6 - Visibility only temporary
BlackBerry®	9000 Bold™	5.0.0.411	•	•1	•	•	•	•	•	•	•	•	•	-	-	•	•	•1	•	•	•	1 - Switch BlackBerry® to wait mode in Bluetooth menu
BlackBerry®	9500 Storm™	4.7.0.141	•	•1	•	•	•	•	•	•	•2	•	•	-	-	•	•	•1	•	•	•	1 - Switch BlackBerry® to wait mode in Bluetooth menu 2 - Reject second call function not supported
BlackBerry®	9520 Storm2™	5.0.0.306	•	•1	•	•	•	•	•	•	•	•	•	-	-	•	•	•1	•	•	•	1 - Switch BlackBerry® to wait mode in Bluetooth menu
BlackBerry®	9530 Storm™ (CDMA)	5.0.0.328	•	•1	•	•	•	•	•	•	-	-	•	-	-	•	•	-	-	-	-	1 - Switch BlackBerry® to wait mode in Bluetooth menu
BlackBerry®	9630 Tour™(CDMA)	5.0.0.334	•	•1	•	•	•	•	•	•	-	-	•	-	-	•*	•*	-	-	-	-	1 - Switch BlackBerry® to wait mode in Bluetooth menu
BlackBerry®	9700 Bold™	5.0.0.321	•	•1	•	•	•	•	•	•	•	•	•	-	-	•	•	•1	•	•	•	1 - Switch BlackBerry® to wait mode in Bluetooth menu
LG	enV3 (CDMA)	VX920V06	•	•	•	•	•	•	•	•	-	-	•	-	-	•	•	-	-	-	-	
LG	Versa (CDMA)	VX960V07	•	•	•	•	•	•	•	•	-	-	•	-	-	•	•	-	-	-	-	
LG	enV touch (CDMA)	VX11kV08	•	•	•	•	•	•	•	•	-	-	•	-	-	•	•	-	-	-	-	
LG	Chocolate Touch (CDMA)	VX857V05	•	•	•	•	•	•	•	•	-	-	•	-	-	•	•	-	-	-	-	
Nokia	E71	300.21.012	•	•	•	•	•	•	•	•	-	-	•	-	-	•*	•4	•	•	•	•	4 - Pairing from vehicle not possible with CDR-30
Nokia	E75	110.48.125	•	•	•	•	•	•	•	•	•	•	•	•	-	•	•3	•	•	•	•	3 - Pairing from vehicle not reliable
Nokia	N97 mini	11.0.045	•	•	•	•	•	•	•	•	•	•	•	•	-	•	•3	•	•	•	•	3 - Pairing from vehicle not reliable
Nokia	X3	4.11	•	•	•	•	•	•	•	•	•	•	•	•	-	•	•	•	•	•	•	

• = compatible/function supported – = not compatible/function not supported * = PCM only Status 3/30/2010 Errors and omissions excepted

3. Pairing instructions for Bluetooth® mobile phones with the CDR-30

Requirements for the CDR-30

– The CDR-30 is not connected with a mobile phone. Pressing the 'PHONE' button displays the message 'Telephone not available'.

Requirements for the mobile phone

– The Bluetooth® function must be switched on.
– The mobile phone must be visible to other devices.

These two settings are normally found in the Bluetooth® settings on the mobile phone.

Note: Some mobile phones (e.g. Motorola) can only be made visible for a limited period of time (e.g. 1 minute). If pairing is not completed within this time, it may be necessary to repeat the process.
Note for iPhone® and BlackBerry®: iPhone® and BlackBerry® devices cannot be found and paired from the CDR-30. The pairing must therefore be started from the iPhone® or BlackBerry® itself (see pairing instructions for iPhone® and BlackBerry® devices with the CDR-30).

Pairing process

CDR-30

1. Press 'PHONE' button.
2. Press 'SET' button.
3. Select the menu item 'Device list'.
4. Select 'Search for telephones'. A search is performed for available Bluetooth® phones that support the Hands-Free Profile. At the end of the search, the devices found are displayed in a list (max. five devices).

Note: Since the CDR-30 can include a maximum of five devices in its list, delete any devices that are no longer required from the list before starting the search for new devices.

5. Select the phone you want from the search list on the CDR-30. You are now prompted to enter a Bluetooth® code specified by the CDR-30 on the phone. Confirm the suggested code on the CDR-30 with 'OK'. Enter the correct code on the mobile phone to complete the pairing process.

Note: The user has 30 seconds to enter the code. If pairing is not completed within this time, it may be necessary to repeat the process.

Mobile phone

6. After pairing, the CDR-30 attempts to connect with the phone. On some phones, it is necessary to confirm the connection by pressing a button on the handset.

Note: In most cases, a paired phone will be automatically found and connected whenever the car is started. In some cases (e.g. Nokia N and E series), however, it is necessary to authorize the CDR-30 in the device list on the mobile phone.

3. Pairing instructions for BlackBerry® devices with the CDR-30

Requirements for the CDR-30

– The CDR-30 is not connected with a mobile phone. Pressing the 'PHONE' button displays the message 'Telephone not available'.

Requirements for the BlackBerry®

– The Bluetooth® function must be switched on. You can switch on the Bluetooth® function on the BlackBerry® via 'Applications/Options/Bluetooth®/ Enable Bluetooth®'. An icon in the status area indicates that the Bluetooth® function is switched on.

Note: The BlackBerry® does not appear in the search list on the CDR-30 because it has a higher security level. In this case, therefore, you must start the search from the mobile phone itself. For the BlackBerry® to be able to find the CDR-30, it must be set to visible mode.

Pairing process

CDR-30

1. Press 'PHONE' button.
2. Press 'SET' button.
3. Select the menu item 'Device list'. The CDR-30 is now visible to external devices.

BlackBerry®

4. Select the menu item 'Applications/Options/ Bluetooth®'.
5. Press the trackball and select 'Full menu/Add device'. The BlackBerry® now starts to search for visible Bluetooth® devices.
6. Select 'CDR-30' from the search list on the BlackBerry®. A connection request now appears on the CDR-30; you must confirm this request.

CDR-30

7. A number row is displayed on the CDR-30; enter a 4-digit Bluetooth® code and confirm with 'OK'.

BlackBerry®

8. Enter the same Bluetooth® code on the BlackBerry® and confirm with 'OK (↵)'. Pairing is now complete.

Note: The user has 30 seconds to enter the code. If pairing is not completed within this time, it may be necessary to repeat the process. To do this, select 'CDR-30' from the search list again.

9. A window with the question whether the connection with the CDR-30 should be established now appears on the BlackBerry®. Answer this question with 'Yes'. The BlackBerry® is now connected with the CDR-30.

Note: With some older devices, you may need to establish the connection manually. You can do this by selecting 'CDR-30/Connect' in the device list.

10. To authorize your CDR-30 on the BlackBerry®, select 'CDR-30/Device properties' and set the item 'Trusted' to 'Yes'. The CDR-30 is now authorized on your BlackBerry®. The next time the car is started, it will be automatically connected with the CDR-30.

3. Pairing instructions for an iPhone® with the CDR-30

Requirements for the CDR-30

– The CDR-30 is not connected with a mobile phone. Pressing the 'PHONE' button displays the message 'Telephone not available'.

Requirements for the iPhone®

– The Bluetooth® function must be switched on. The Bluetooth® function on the iPhone® is switched on in the Bluetooth® settings menu. You can access this menu via 'Settings/General/Bluetooth®'.
– An icon in the status area indicates that the Bluetooth® function is switched on.

Note: The Bluetooth® function on the iPhone® is configured in such a way that a device search is normally started by the iPhone® itself. For the iPhone® to be able to find the CDR-30, it must be set to visible mode.

Pairing process

CDR-30

1. Press 'PHONE' button.
2. Press 'SET' button.
3. Select the menu item 'Device list'. The CDR-30 is now visible to external devices.

iPhone®

4. Select the menu item 'Settings/General/Bluetooth®'. The iPhone® now starts to search for visible Bluetooth® devices.
5. Select 'CDR-30' from the search list on the iPhone®. A connection request now appears on the CDR-30; you must confirm this request.

CDR-30

6. A number row is displayed on the CDR-30; enter a 4-digit Bluetooth® code and confirm with 'OK'.

iPhone®

7. A numerical field is displayed on the iPhone®; enter the same Bluetooth® code in this field and confirm with 'Connect'. Pairing is now complete.

Note: The user has 30 seconds to enter the code. If pairing is not completed within this time, it may be necessary to repeat the process. To do this, select 'CDR-30' from the search list again.

8. The iPhone® now automatically establishes a Bluetooth® connection with the CDR-30.
9. Your iPhone® is now connected with the CDR-30. The next time the car is started, it will be automatically connected with the CDR-30.

4. Pairing instructions for Bluetooth® mobile phones with the PCM

Requirements for the PCM

– The Bluetooth® function of the PCM is switched on and the PCM is not connected with a mobile phone. Pressing the 'PHONE' button displays the message 'Find telephone'.

Requirements for the mobile phone

– The Bluetooth® function must be switched on.
– The mobile phone must be visible to other devices.

These two settings are normally found in the Bluetooth® settings on the mobile phone.

Note: Some mobile phones can only be made visible for a limited period of time (e.g. 1 minute). If pairing is not completed within this time, it may be necessary to repeat the process.
Note for iPhone®: The iPhone® is only visible when you are in the Bluetooth® settings menu. You can access this menu on the iPhone® via 'Settings/ General/Bluetooth®' (see instructions for registering iPhone® on the PCM).

Pairing process

PCM

1. Press 'PHONE' button.
2. Select the 'Find telephone' menu item and, where applicable, on the next screen select the menu point 'New mobile phone'. A search is performed for available, previously unknown Bluetooth® phones. At the end of the search, the devices found are displayed in a list.

Note for BlackBerry®: During the search by the PCM, a prompt to enter a 'Passkey for PCM' appears on the BlackBerry®. You can ignore this prompt or cancel it using the mobile phone's Back button (see instructions for registering iPhone® on the PCM).

3. Select the phone you want from the search list on the PCM. You are now prompted to enter a Bluetooth® code specified by the PCM on the phone. Enter the correct code on the mobile phone to complete the pairing process.

Note: The user has 30 seconds to enter the code. If pairing is not completed within this time, it may be necessary to repeat the process.

Mobile phone

4. After pairing, the PCM attempts to connect with the phone. On some phones, it is necessary to confirm the connection by pressing a button on the handset.
5. On some phones, when connection is established transfer of the phone book must also be confirmed on the phone. We recommend always allowing the PCM access if this option is available on the phone.

Note: In most cases, a paired phone will be automatically found and connected whenever the car is started. In some cases (e.g. Nokia N and E series), however, it is necessary to authorize the PCM in the device list of the mobile phone.

4. Pairing instructions for BlackBerry® devices with the PCM

Requirements for the PCM

– The Bluetooth® function of the PCM is switched on and the PCM is not connected with a mobile phone. Pressing the 'PHONE' button displays the message 'Find telephone'.

Requirements for the BlackBerry®

– The Bluetooth® function must be switched on. You can switch on the Bluetooth® function on the BlackBerry® via 'Applications/Options/Bluetooth®/Enable Bluetooth®'. An icon in the status area indicates that the Bluetooth® function is switched on.
– The BlackBerry® must be 'Discoverable' for other devices. You can find this setting on the BlackBerry® under 'Applications/Options/Bluetooth®/Connected devices/Full menu/Options'. The 'Discoverable' setting must be set to 'Yes'.
– Automatic transfer of the phone book from the BlackBerry® to the PCM can be configured by setting 'Address book transfer' to 'All entries'. You can find this setting on the BlackBerry® under 'Applications/Options/Bluetooth®/Connected devices/Full menu/Options'.

Pairing process

PCM

1. Press 'PHONE' button.
2. Select the 'Find telephone' menu item and, where applicable, on the next screen select the menu point 'New mobile phone'. A search is performed for available, previously unknown Bluetooth® phones. At the end of the search, the devices found are displayed in a list.

Note: During the search by the PCM, a prompt to enter a 'Passkey for PCM' appears on the BlackBerry®. You can ignore this prompt or cancel it using the mobile phone's Back button.

3. Select the phone you want from the search list on the PCM. You are now prompted to enter a Bluetooth® code specified by the PCM on the phone. Enter the correct code and confirm with 'OK (↵)' on the BlackBerry® to complete the pairing process.

Note: The user has 30 seconds to enter the code. If pairing is not completed within this time, it may be necessary to repeat the process.

4. A window now appears on the BlackBerry® asking whether the connection with the PCM should be accepted. Answer this question with 'Yes' and confirm the item 'Do not ask this question again' by setting a check. The PCM is now authorized on the BlackBerry®. The BlackBerry® will be automatically found and connected whenever the car is started.

4. Pairing instructions for iPhone® with the PCM

Requirements for the PCM

– The PCM must be visible to other devices. For this, the appropriate setting must be entered under 'PHONE/OPTION/SET PHONE/Bluetooth® Settings'.
– The Bluetooth® function of the PCM is switched on and the PCM is not connected with a mobile phone. Pressing the 'PHONE' button displays the message 'Find telephone'. This should not be pressed here.

Requirements for the iPhone®

– The Bluetooth® function must be switched on. The Bluetooth® function on the iPhone® is switched on in the Bluetooth® settings menu. You can access this menu via 'Settings/General/Bluetooth®'.
– An icon in the status area indicates that the Bluetooth® function is switched on.

Note: The Bluetooth® function on the iPhone® is configured in such a way that a device search is normally started by the iPhone® .

Pairing process

PCM

1. Press 'PHONE' button. The PCM is now visible to external devices.

iPhone®

2. Select the menu item 'Settings/General/Bluetooth®'. The iPhone® now starts to search for visible Bluetooth® devices.
3. Select 'PCM' from the search list on the iPhone®. A connection request now appears on the PCM; you must confirm this request.

PCM

4. A number pad is displayed on the PCM; enter a 4-digit Bluetooth® code and confirm with 'OK'.

iPhone®

5. A numerical field is displayed on the iPhone®; enter the same Bluetooth® code in this field and confirm with 'Connect'. Pairing is now complete.

Note: The user has 30 seconds to enter the code. If pairing is not completed within this time, it may be necessary to repeat the process. To do this, again select the 'PCM' from the device list on the iPhone®.

6. The iPhone® now automatically establishes a Bluetooth® connection with the PCM.
7. Your iPhone® is now connected with the PCM. The next time the car is started, it will be automatically connected with the PCM.

5. Frequently asked questions (FAQs)

List of contents

[1] Frequently asked questions about Bluetooth®

What is Bluetooth®?
Bluetooth® is an industrial standard for the wireless networking of electronic devices over a short range up to approximately 33 feet (10 meters). It allows mobile electronic devices such as mobile phones and PDAs, but also computers and peripherals, e.g. keyboards, to communicate wirelessly with each other, with Bluetooth® as the interface.

When will Bluetooth® technology be available in my favorite model?
Bluetooth® technology is supplied in all sportscar models. To connect your mobile phone to the Bluetooth® system, you will use the Bluetooth® hands-free phone interface.

[2] Frequently asked questions about the Bluetooth® hands-free phone interface

Can I also use the Bluetooth® hands-free phone interface without a Bluetooth® compatible mobile phone?
No, this is not possible.

Can I use the Bluetooth® hands-free phone interface with any Bluetooth® mobile phone?
The basic requirement for compatibility of your mobile phone with the Bluetooth® hands-free phone interface is the support of the Bluetooth® Hands-Free Profile (HFP).

You will find an overview of telephone models that Porsche has tested for compatibility with the Bluetooth® hands-free phone interface in the mobile phone compatibility list at www.porsche.com. Even if you cannot find your mobile phone in the list, it may still offer limited compatibility with the Bluetooth® hands-free phone interface.

Why do mobile phones differ in terms of their operation or functions?
The implementation of the Bluetooth® standard tends to vary among manufacturers, on individual phone models, and even in the different firmware versions for the same phone. As a result, your mobile phone's behavior 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 CDR-30/PCM with Bluetooth® hands-free phone interface. You can find information on the range of functions available on the devices recommended by Porsche in the mobile phone compatibility list at www.porsche.com.

Why is a mobile phone's firmware so important?
New mobile phone firmware versions frequently not only offer new functions, but also correct bugs from old firmware versions. You should therefore make sure that the firmware on your phone is as up-to-date as possible. It is, however, possible that individual functions may behave differently with a new firmware version than before.

What do I need to do to connect my phone with the car?
Before the phone can be connected with the car, it requires a one-time 'pairing' process that protects the security of the device. You will find information on this pairing process in the operating instructions or at www.porsche.com.

If there is a Bluetooth® mobile phone paired with the car, the phone will be automatically searched for and connected each time the ignition is switched on. It is important for both pairing and operation that the Bluetooth® function is enabled on both the telephone and the car. Bluetooth® visibility must additionally be enabled on the phone for the pairing process. If pairing is initiated by the mobile phone, CDR-30/PCM visibility must be enabled. For this, the corresponding setting in Bluetooth® Settings under 'PHONE/OPTION/SET PHONE' must be activated (PCM only) and the CDR-30/PCM must be shown in the Bluetooth® devices list.

Can I disable my mobile phone's visibility after the pairing process?
Yes. Visibility is only required for pairing, which only needs to be done once before the first connection. Once you have paired your mobile phone with the car, subsequent connections will be established even if visibility is disabled. Visibility can be enabled and disabled under 'PHONE/OPTION/SET PHONE/Bluetooth® Settings'.

What can I do if I can't pair or connect my mobile phone despite the Bluetooth® function and visibility being enabled?
There may be a number of reasons for this:

1. On some telephone models, each connection request by the car must be confirmed by pressing a button. If this confirmation is not provided, the connection will not be established. This confirmation request each time the ignition is switched on can be avoided by authorizing the PCM/CDR-30 in the mobile phone's device list. This device list is found under the Bluetooth® settings on most phones.
2. There are situations where the mobile phone will not allow a connection because of an erratic condition. Often the only way to correct this condition is to switch the phone off and on again or to briefly remove the battery.
3. It can happen that a mobile phone does not appear in the PCM's search list due to unfavorable external conditions. In this case, you can also start the pairing process from the mobile phone. Make sure that the Bluetooth® function is enabled on the phone and on the PCM/CDR-30. Also make sure that the PCM/CDR-30 is in the Bluetooth® device list, since the mobile phone will be able to 'see' it there.
4. It can happen in very rare cases that the pairing information is lost on one side or the other and the devices are thus unable to establish a connection. In this case, delete the remaining entry on the phone or in the car and repeat the pairing process.
5. Some phone models allow the user to mark the Bluetooth® profiles supported. Here too, any loss of profile markings may prevent a connection from being established.

Can I pair a second phone with the car?
Yes. Before pairing a second Bluetooth® phone, however, you should terminate the connection with your first device. One way of doing this is to disable the Bluetooth® function on the first device for the duration of pairing with the second one.

What happens if there is more than one Bluetooth® phone in the car at the same time?
The Bluetooth® hands-free phone interface can only be connected with one phone. You can, however, pair up to five devices in the car and then actively switch between these devices. When the system is switched on, it automatically searches for the last connected mobile phone. If it does not find this device within 15 seconds, the system then searches for the other paired phones.

Can I send text messages using the Bluetooth® hands-free phone interface?
No. The Bluetooth® hands-free phone interface does not support text messaging.

Where can I find more information about the pairing process and operation of the Bluetooth® hands-free phone interface?
You can find more details about the operation of the Bluetooth® hands-free phone interface in the operating instructions for the PCM/CDR-30. You can also find more information about the pairing process at www.porsche.com.

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

[3] Frequently asked questions about using the CDR-30 with Bluetooth® hands-free phone interface

Which functions are supported when connecting via the Bluetooth® hands-free phone interface with the CDR-30?
Since the range of functions varies greatly between different mobile phones, please refer to the applicable details for your vehicle equipment and mobile phone in the mobile phone compatibility list at www.porsche.com.

The Bluetooth® hands-free phone interface in the CDR-30 supports the following functions in principle:

– Pairing a mobile phone with search from the car or phone.
– Automatically connecting a paired device after system startup.
– Basic phone functions (making, receiving and ending calls).
– Hands-free capability via the in-car audio system.
– Status displays such as network name and signal quality.
– Sending DTMF tones.

You will find explanations of these terms in the glossary.

[4] Frequently asked questions about using the PCM with Bluetooth® hands-free phone interface

Which functions are supported when connecting via the Bluetooth® hands-free phone interface with the PCM?

Since the range of functions supported with Bluetooth® varies greatly between different mobile phones, please refer to the applicable details for your vehicle equipment and mobile phone in the mobile phone compatibility list at www.porsche.com.

The Bluetooth® hands-free phone interface in the PCM supports the following functions in principle:

– Pairing a mobile phone with search from the car or phone.
– Automatically connecting a paired device after system startup.
– Basic phone functions (making, receiving and ending calls).
– Hands-free capability via the in-car audio system.
– Status displays such as network name and signal quality.
– Manual transfer of phone book contacts from the mobile phone.
– Transferring call lists from the mobile phone
– Sending DTMF tones.
– Starting and ending a second call, call transfer and conference call.

You will find explanations of these terms in the glossary.

Why can't I set the ringtone in the PCM?

This setting is disabled for all phone models that can transfer their ringtone to the PCM via Bluetooth®. The PCM then rings with the mobile phone's ringtone. The ringtone cannot be set on the PCM in this case; it must 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 the PCM via Bluetooth®. If your phone is set to 'Silent' or for example 'Meeting', neither your phone nor the PCM will ring.

[5] Frequently asked questions about using transferring of phone book entries and call lists – Bluetooth® Phone Book Access Profile (PBAP)

Can I access the phone book contacts and call lists stored on my mobile phone from the CDR-30?
In principle, the CDR-30 does not support automatic transfer of phone book contacts and call lists from the mobile phone. However, you can transfer individual entries or the complete list of phone book contacts in your mobile phone to your CDR-30 manually. Activate the download process in the CDR-30, select the desired entries on your phone and transfer them via Bluetooth®. However, this transfer option is not supported by all telephone models.

Can I access the phone book contacts and call lists stored on my mobile phone from the PCM?
Access to the phone book contacts and call lists of a mobile phone is dependent on the range of functions offered by the phone. Some models, for example, do not transfer phone book contacts stored on the SIM card to the PCM, and in some cases no access is possible to phone book contacts stored on the phone itself. Other phones may transfer this information but provide only one phone number per name.

Another possibility is that the user must confirm the PCM's request by pressing a key on the telephone. If this confirmation is not provided, neither phone book contacts nor call lists are transferred. This confirmation must be repeated each time the ignition is switched on. You can avoid it, however, by authorizing the PCM in the mobile phone's device list. This device list is found under the Bluetooth® settings on most phones.

Why is my phone book not displayed correctly in my car?
Transfer and display of your phone book contacts by the PCM depends on your individual mobile phone.

Please note the following points:

1. The PCM only shows entries containing at least one telephone number.
2. The maximum number of phone numbers shown in your car is limited to 2,500 in cars with PCM. A maximum of 100 entries can then be stored manually in the CDR-30.
3. Some mobile phones sort the phone book contacts as 'first name, last name', and some as 'last name, first name'. As a result, the phone book listing in your PCM may differ from that in your mobile phone. You can change this by going to 'PHONE/OPTION/SET PHONE/Phone book Settings/Sort', which will often solve the problem.
4. Some types of phone only transfer one number per name. In these cases, information about the type of number is frequently also missing.
5. Some mobile phones also have problems in transferring data when special characters are used.
6. Some entries may be duplicated in the PCM if they are stored on both the SIM card and the phone itself (the phone books of many mobile phones do not show SIM cards). In this case you can hide the SIM card entries by selecting 'PHONE/OPTION/SET PHONE/Phone book Settings/Phone book Memory'.
7. The phone book in the PCM may be empty if your mobile phone has confirmed a data transfer without sending any data. To repeat the phone book transfer process, select the function 'PHONE/OPTION/SET PHONE/Phone book Settings/Transfer phone book'.

What is the maximum number of phone book entries that I can transfer to the PCM?
The PCM's phone book memory can store up to a maximum of 2,500 telephone numbers. If an entry contains several numbers, the total number of phone book entries which can be stored is lowered accordingly. If the phone book of the mobile phone holds more than 2,500 numbers, the PCM displays only the first 2,500.

What is the maximum number of phone book entries that I can transfer to the CDR-30?
The phone book memory of the CDR-30 can hold a maximum of 100 entries, each with 5 phone numbers. If the number of entries transferred from the phone is greater than 100, the CDR-30 will not store all the entries.

Can I edit or add to the entries in my phone book when I am in my car?
No. You must edit the entries in the telephone itself. However, after changing your phone book you can select the function 'Transfer phone book' to transfer the phone book to your car for immediate use.

Can I stop the automatic transfer of my phone book data to the PCM?
Yes. The phone book and call lists are only transferred when the 'Auto Update' box is checked in the menu item 'PHONE/OPTION/SET PHONE/Phone book Settings'. Use the function 'Delete phone book' to remove stored phone book data from the PCM.

How many entries from my mobile phone call lists can be transferred to the PCM?
The PCM can accept a maximum of 60 entries per call list. Calls from or to the same telephone number are always treated as a single entry.

Why do some call list entries show the time of calling and some not?
Transfer of call times is not supported by all mobile phones. If this information is missing, the call is transferred from the mobile phone's call list and shown in the PCM list without a time. The sequence of calls is determined by the order in which they are transferred from the mobile phone. If a call comes in while you are driving, it is marked with the current PCM time and shown at the top of the PCM's call list.

6. Glossary

Authorization
For automatic establishment of a Bluetooth® connection to be possible, the device requesting the connection must be authorized on the opposite side. This authorization is performed automatically on some phones, while on others it must be performed explicitly by the user in the Bluetooth® device list.

Auto-Connect
If two devices have been registered or 'paired' with each other, i.e. authorized to exchange data, either device can be configured to automatically transmit a connection request that is automatically answered by the other device. It is therefore possible for a Bluetooth® mobile phone to be connected automatically every time the car is started. In order for the mobile phone to accept a request from the in-car system, the system must be authorized in the device list on the mobile phone.

Bluetooth®
Bluetooth® is an industrial standard for the wireless networking of electronic devices over a short range up to approximately 33 feet (10 meters). It allows mobile electronic devices such as mobile phones and PDAs, but also computers and peripherals, e.g. keyboards, to communicate wirelessly with each other with Bluetooth® as the interface.

Bluetooth® hands-free phone interface
The Bluetooth® hands-free phone interface in combination with CDR-30 or PCM is a typical Bluetooth® hands-free system based on the Bluetooth® Hands-Free Profile (HFP). The Bluetooth® hands-free phone interface supports the following functions in principle:

– Pairing a mobile phone with search from the car or the phone
– Automatically connecting a paired device after system startup
– Basic phone functions (making, receiving and ending calls)
– Hands-free capability via the in-car audio system
– Status displays such as network name and signal strength

Since the range of functions supported varies greatly between different mobile phones, please refer to the applicable details for your vehicle equipment and mobile phone in the mobile phone compatibility list at www.porsche.com.

Bluetooth® Hands-Free Profile (HFP)
The Bluetooth® Hands-Free Profile (HFP) enables an existing in-car audio system to be used as a hands-free facility for a compatible mobile phone. It also enables the user to access phone functions via existing vehicle controls. The Bluetooth® Hands-Free Profile (HFP) is supported by the Bluetooth® hands-free phone interface. Typical functions include making, receiving and ending calls, as well as setting up and terminating the hands-free audio connection. The Bluetooth® Hands-Free Profile (HFP) defines how the phone is controlled and how audio data is transferred. The implementation of the Bluetooth® Hands-Free Profile (HFP) tends to vary among manufacturers, on individual phone models, and even in the different firmware versions for the same phone. As a result, two phones can have different levels of functionality even though both are nominally HFP-compatible.

Bluetooth® Phone Book Access Profile (PBAP)
Bluetooth® Phone Book Access Profile (PBAP) transfers phone book content and phone lists from mobile phones after setting up a Bluetooth® connection between the PCM/CDR and the mobile phone. However, transmission of phone content is always dependent on the type of phone involved; in some cases parts of the phone book (e.g. SIM card entries) are not transmitted because they are not recognised by the phone. Phone Book Access Profile (PBAP) is only supported by newer telephone models.

Bluetooth® Search – Inquiry
The one-off registration of two devices requires a search (inquiry) to be initiated by one side, the purpose of which is to identify potential Bluetooth® partners. Once the devices are registered, the connection is established from then on via a direct connection request rather than a search.

Call transfer/conferencing
During an active call, the user has the option of accepting a further incoming call and then swapping between the two calls (transfer). The user can also connect the 2 calls into a three-way conference. These functions are supported by many mobile phones. Whether or not these functions can be controlled by the PCM depends on the mobile phone's range of Bluetooth® functions. The CDR-30 does not support these functions.

DTMF
DTMF (Dual Tone Multiple Frequency) is a method of telephone signalling in which the user can transmit tones from the keypad while making a call, e.g. to operate a voice mailbox or telephone menu system.

In-band ringing
Some mobile phones are able to transfer their ringtone to the vehicle via Bluetooth®. When a call comes in, the PCM then rings with the tone set on the phone rather than its own tone. In this case, the ringtone settings in the PCM are not active. The ringtone can only be set via the phone. The CDR-30 does not support this function.

Register state
The register state refers to the current status of the connection with a mobile phone network. The network name is displayed if the phone is currently connected with a mobile network (if the phone transfers this information). Other possible states include 'network search' or 'registration failed'.

Registration – Pairing
Before two Bluetooth® enabled devices can be connected, they require a one-off registration or 'pairing' process that will protect the security of each device. To begin this process, one of the devices is set to search for other visible Bluetooth® devices within range. A list of visible devices is then displayed (device class permitting). After the required device has been selected, it is necessary to enter the same numerical code or 'passkey' into both devices. If the pairing is successful, the devices will now be authorized to exchange data (either system or user data, e.g. voice, audio or video) unless the pairing is deleted on either device.

Signal strength
Signal strength is an indicator of the general reception quality on the mobile phone at any given location. It does not correspond to the actual sound quality experienced on a call as the individual voice channels on a mobile network cell can vary considerably in quality. The signal strength is displayed on the PCM/CDR-30 whenever the phone is connected to a network cell, provided the telephone transmits 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 network-specific information used to authenticate the subscriber, a SIM card can be used to carry user data, e.g. phone book contacts and SMS text messages. The card is PIN-protected to prevent unauthorized access to this data.