

Porsche Communication Management



20 years later and all of these things fit in your pocket.



PORSCHE

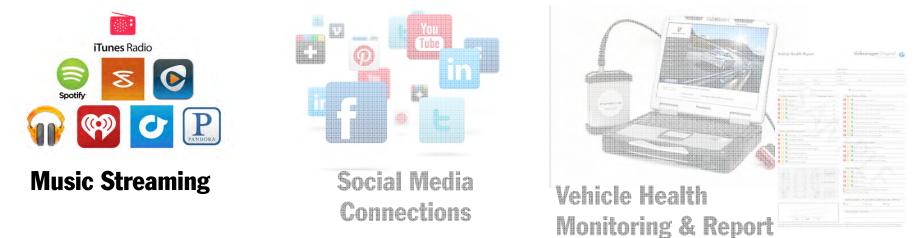
Types of connected car services, now and in the future

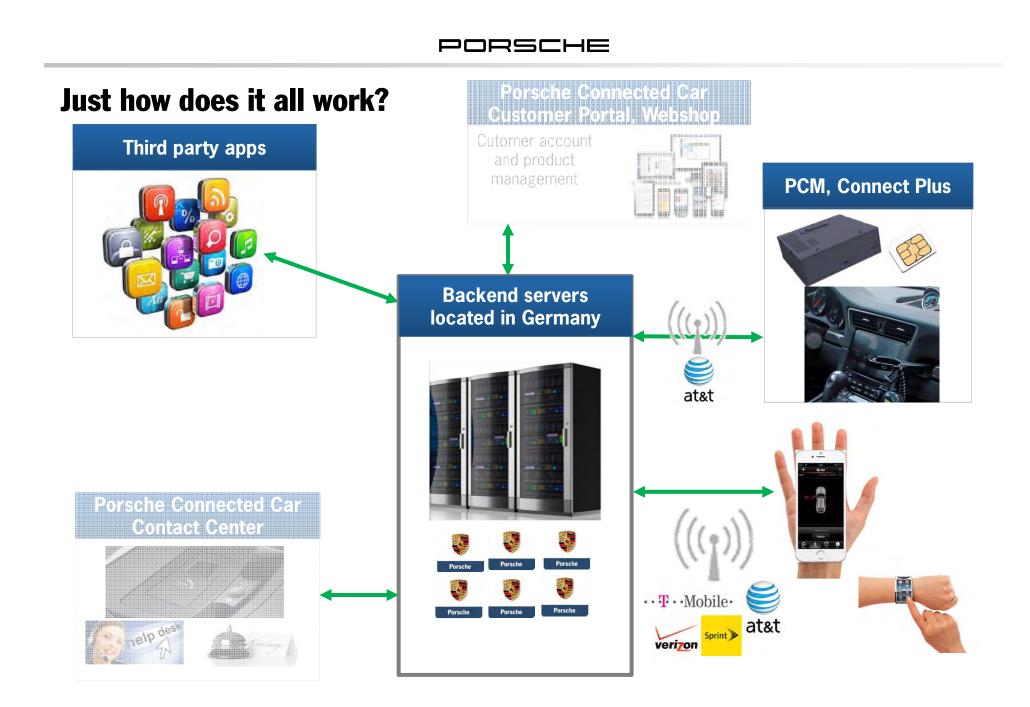


Navigation, POI search, Traffic&Weather

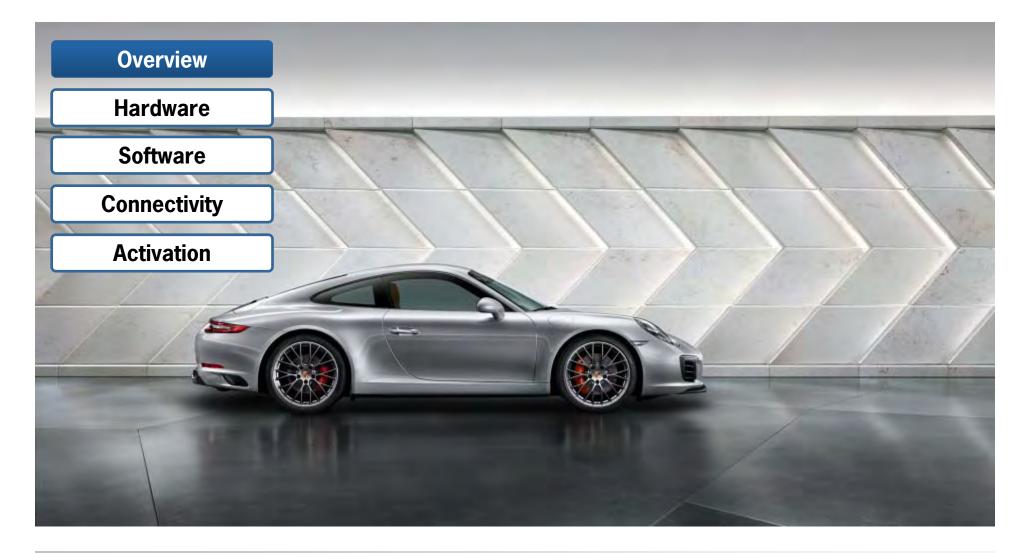


Emergency, Monitoring, Convenience Services





Agenda



PCM with Connect Plus



Smartphone compartment not available in the US

The new PCM in the 991.2



7-inch screen

- Frameless glass surface
- Capacitive touchscreen
- Multi-touch gestures
- Proximity sensor

LTE module - wireless internet access

- PCM SIM card reader
- Wireless internet access with wifi hotspot
- Supports 4G data connectivity

Online Connectivity

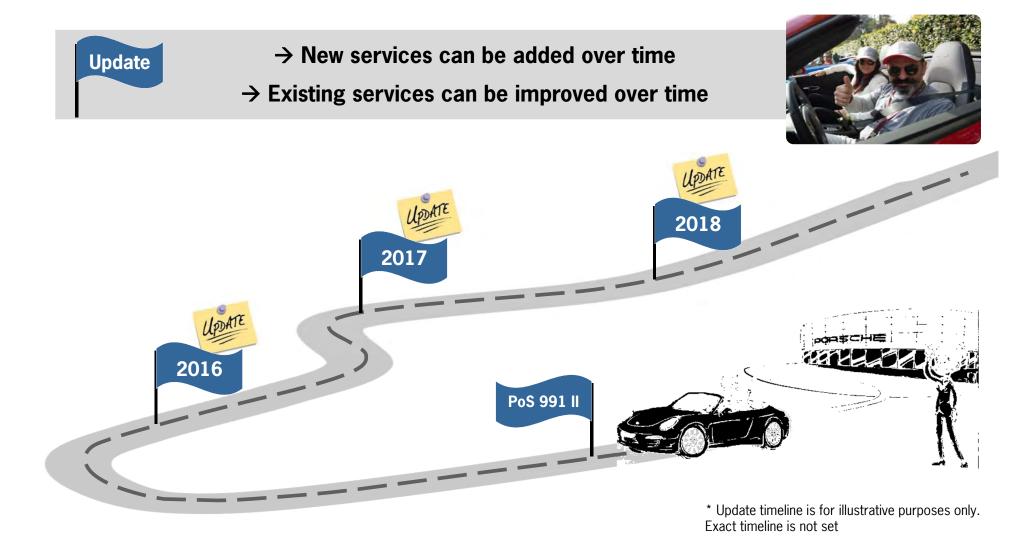
- PCM Connect App
- Online Navigation with Real Time Traffic Information (RTTI)
- Apple Car Play

The new PCM benefits compared to PCM 3.1

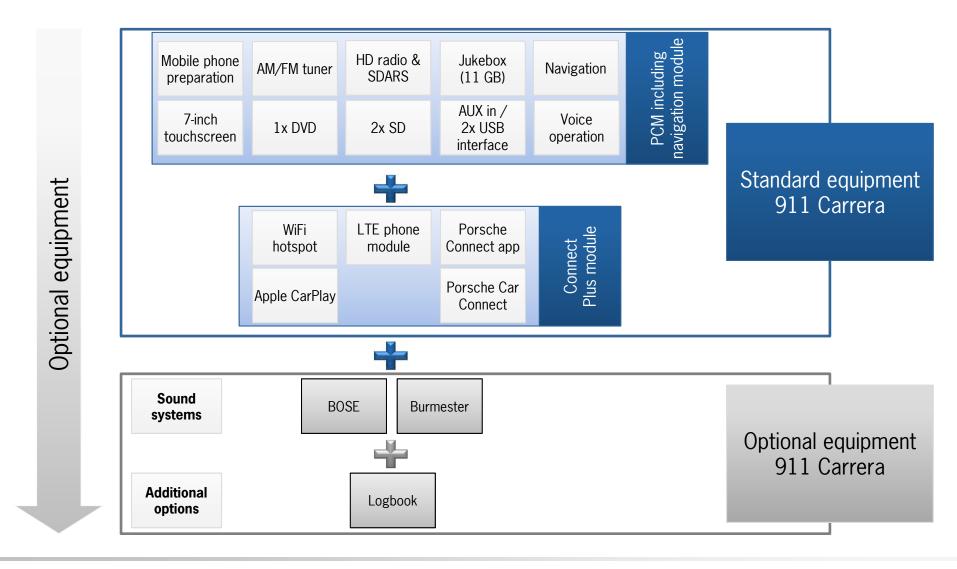


New PCM	Feature	PCM 3.1
\checkmark	Full glass display	×
\checkmark	Capacitive touchscreen (with proximity sensor)	×
\checkmark	Freehand text entry	×
\checkmark	(2) SD – memory card reader	×
\checkmark	LTE telephone module with 4G data	×
\checkmark	WiFi Hotspot function	×
\checkmark	Online navigation with Real Time Traffic Information	×
\checkmark	Porsche Connect App compatible	×
\checkmark	Apple CarPlay	×
\checkmark	Services updatable	×

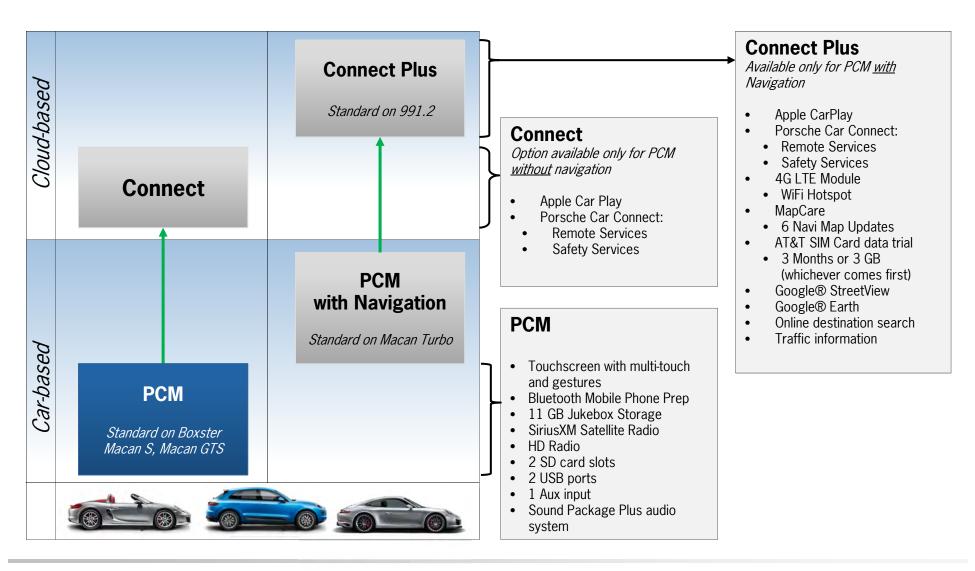
The services offered in the new PCM will be steadily updated over time.



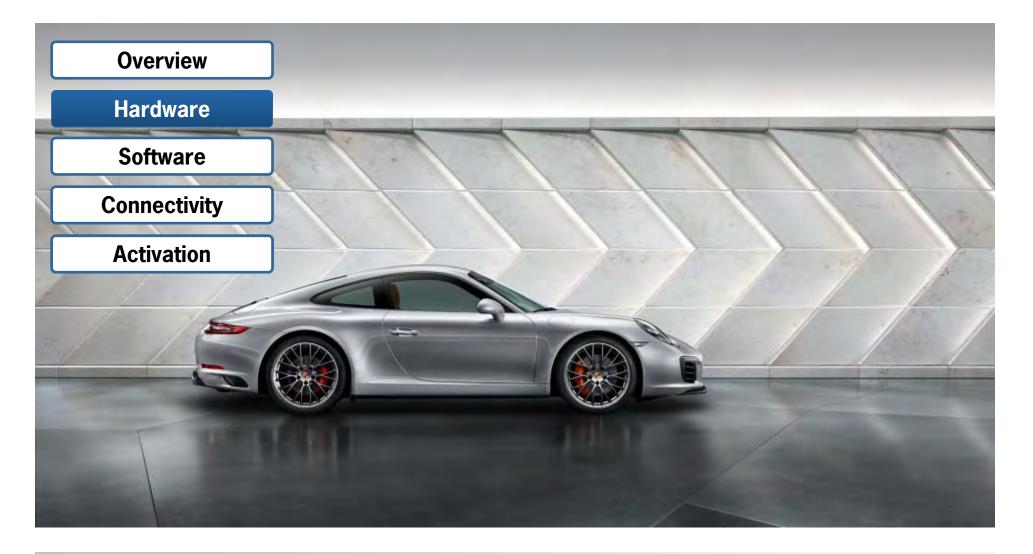
Audio and Communication offer for 991.2



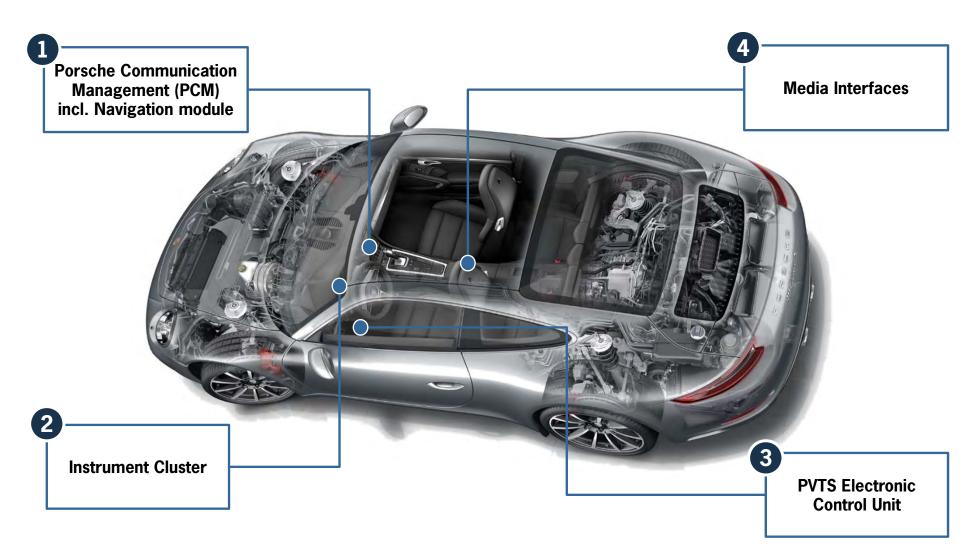
Audio and Communication offer for Macan and Sportscars



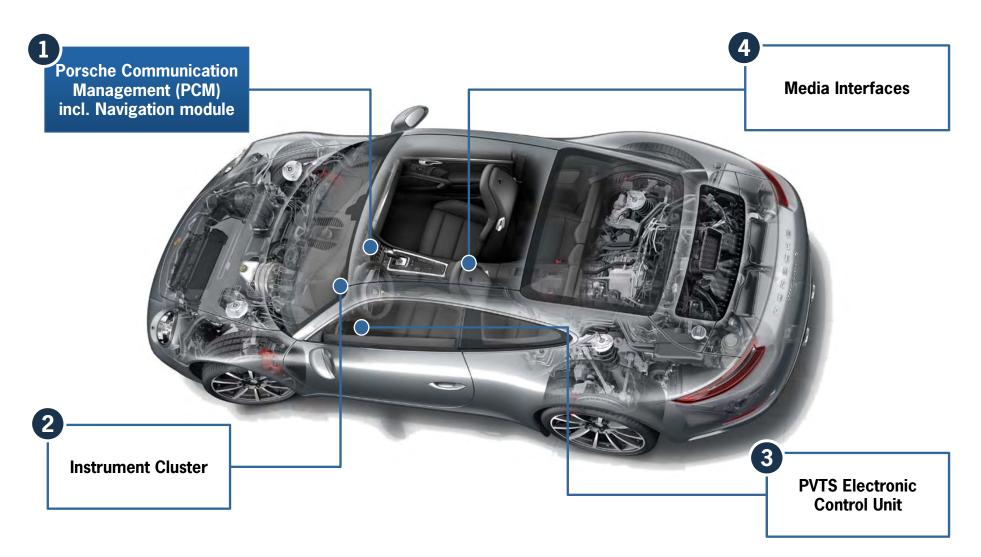
Agenda



To enable online service, there are various hardware modules installed in the new 911 models.



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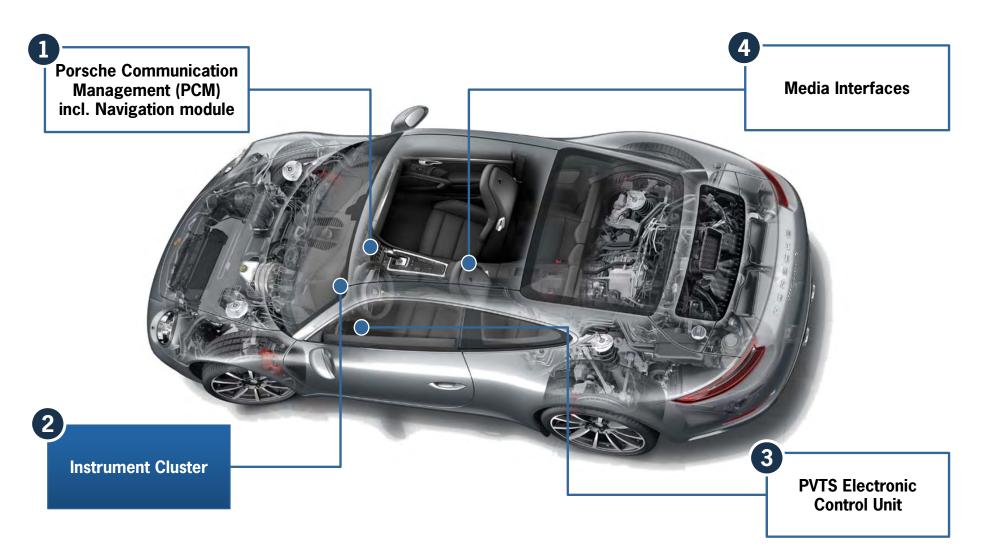
The new generation of Porsche Communication Management (PCM) incl. navigation module is standard in all new 911 models.



Porsche Communication Management (PCM) incl. navigation module

- PCM incl. navigation module with high-resolution
 7-inch color touchscreen
- LTE telephone module provides online data connection via SIM card inserted in the PCM
- Wireless internet access (hotspot) for Wi-Fi devices
- Connection manager for internet connection, USB, Bluetooth
- Latest design and operation functions: Frameless glass surface, multitouch gesture control, and proximity sensors

To enable online service, there are various hardware modules installed in the new 911 models.

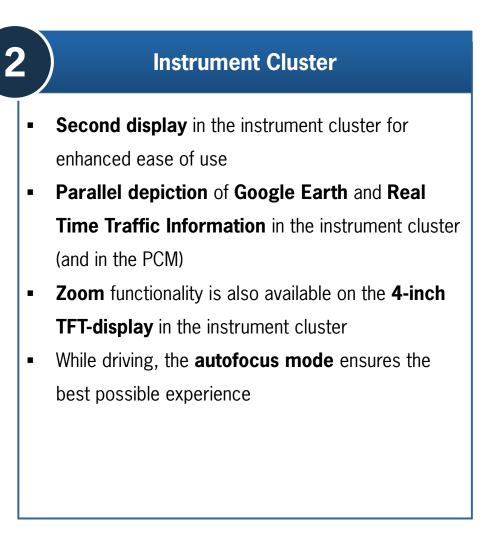


PORSCHE

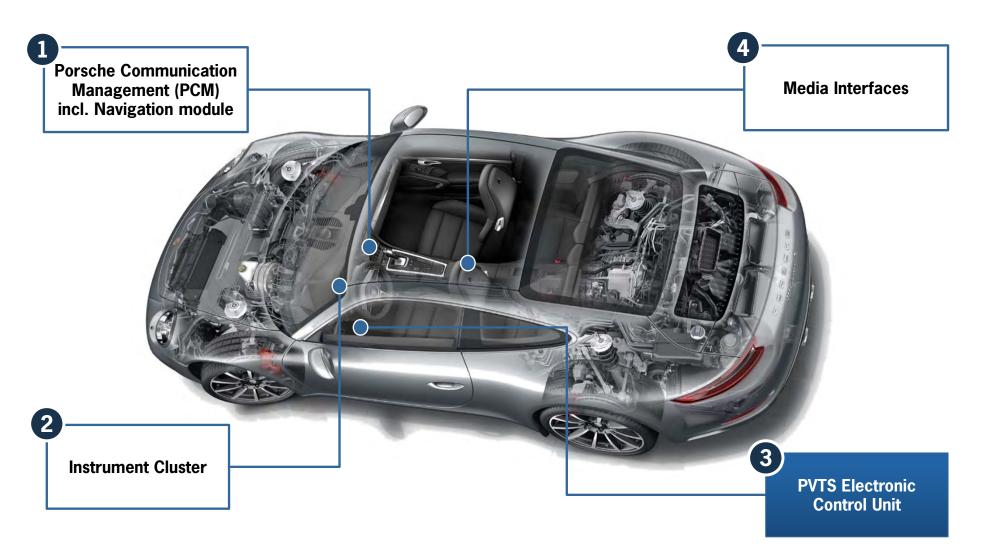
Additional operation and display of Connect services in the Instrument Cluster ensure better usability.







To enable online service, there are various hardware modules installed in the new 911 models.



The Porsche Vehicle Tracking System (PVTS) Electronic Control Unit enables a remote smartphone connection to the vehicle.





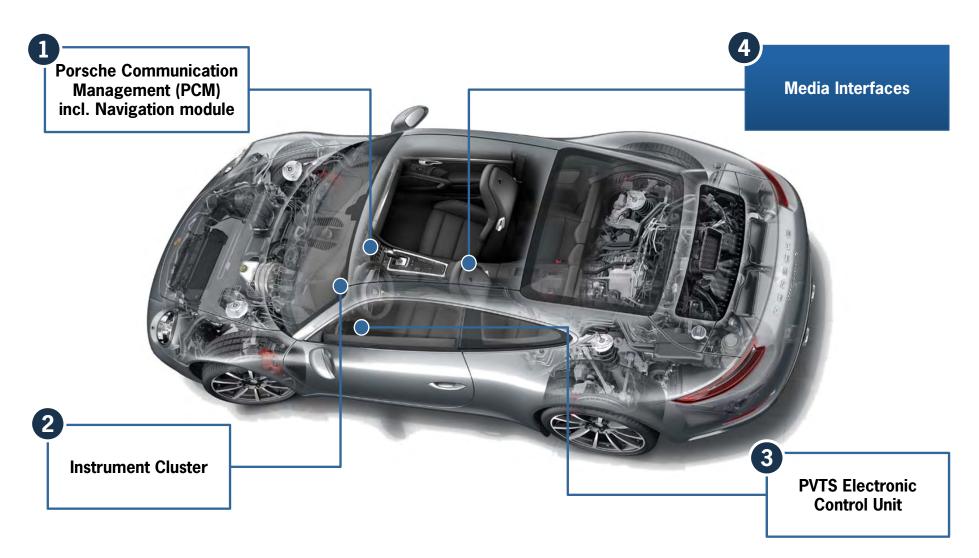
PVTS Electronic Control Unit

- The PVTS Electronic Control Unit enables vehicle related services (via the Porsche Car Connect app on a smartphone)
- Remote Services:

Vehicle Status, Sound Horn / Flash Lights, Carfinder incl. navigation, Fold Mirrors, Door Lock Control

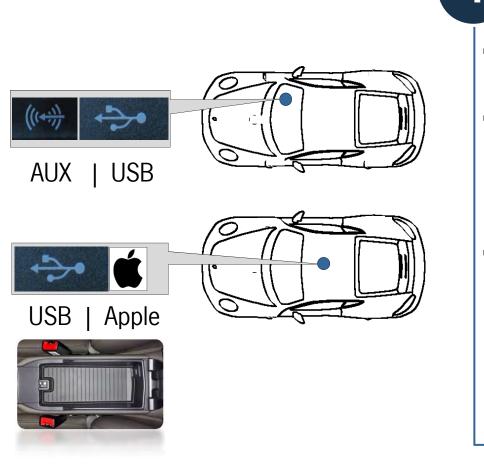
- Safety Services:
 Crash Notification, Breakdown Call
- Security Services:
 Porsche Vehicle Tracking System

To enable online service, there are various hardware modules installed in the new 911 models.



4

Two media interfaces allow for multiple connections

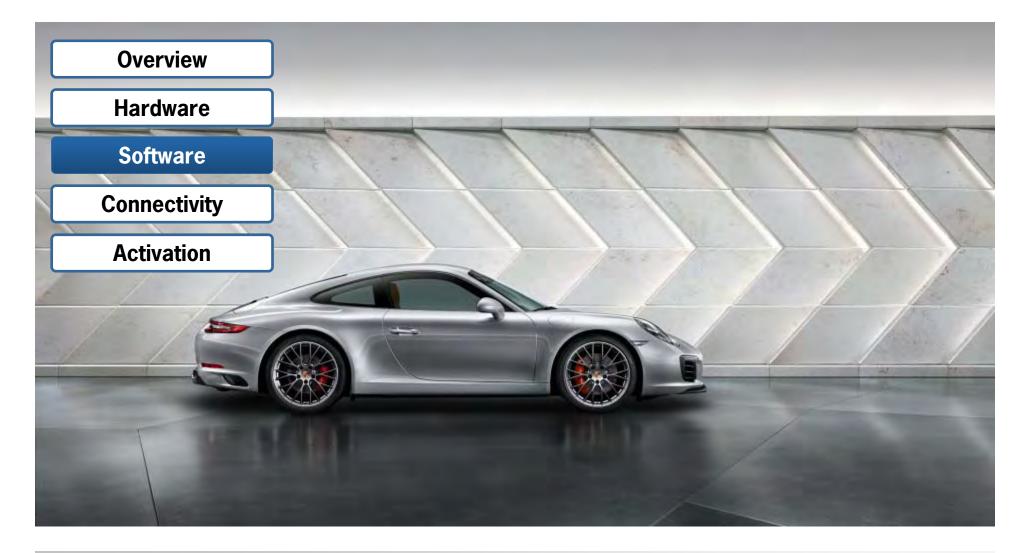


Media Interfaces

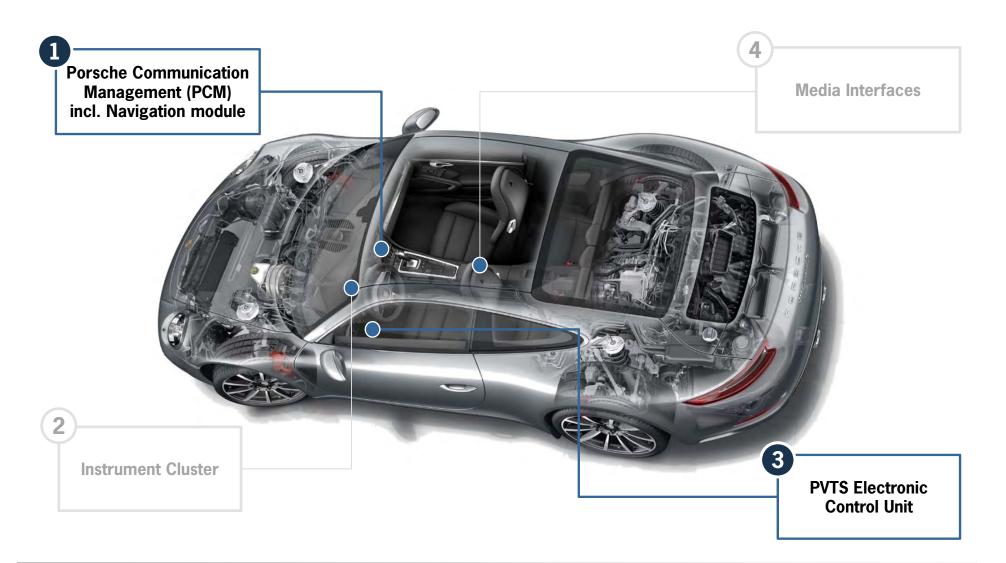
- **Two media interfaces** provide different functionality:
- Glove box provides AUX and USB connectivity

 Center Console provides USB and Apple Car Play Connectivity

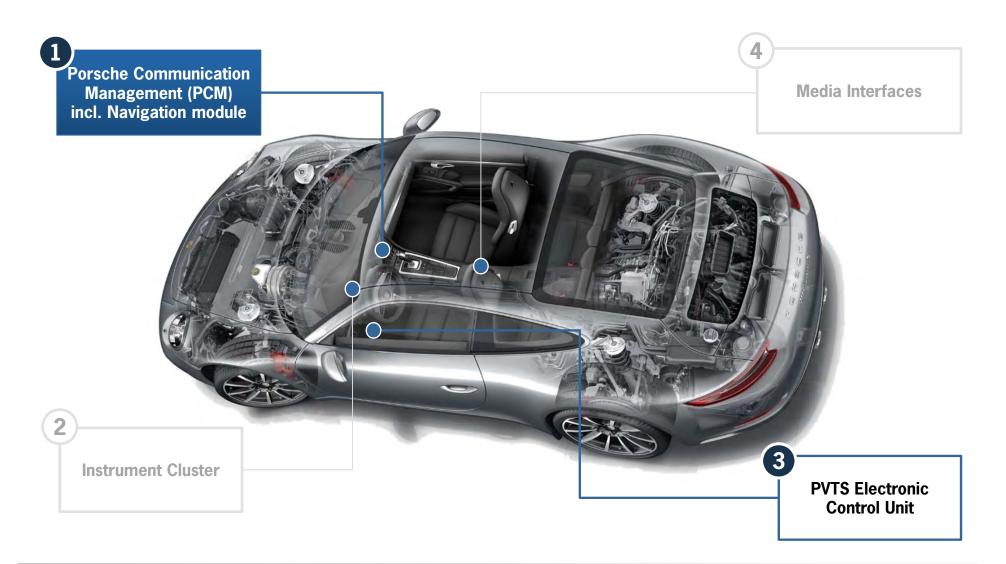
Agenda



Online services are enabled via different software components



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The PCM enables Online Navigation, PCM Connect App Services, and Apple CarPlay



Online Navigation



The PCM enables Online Navigation, PCM Connect App Services, and **Apple CarPlay**

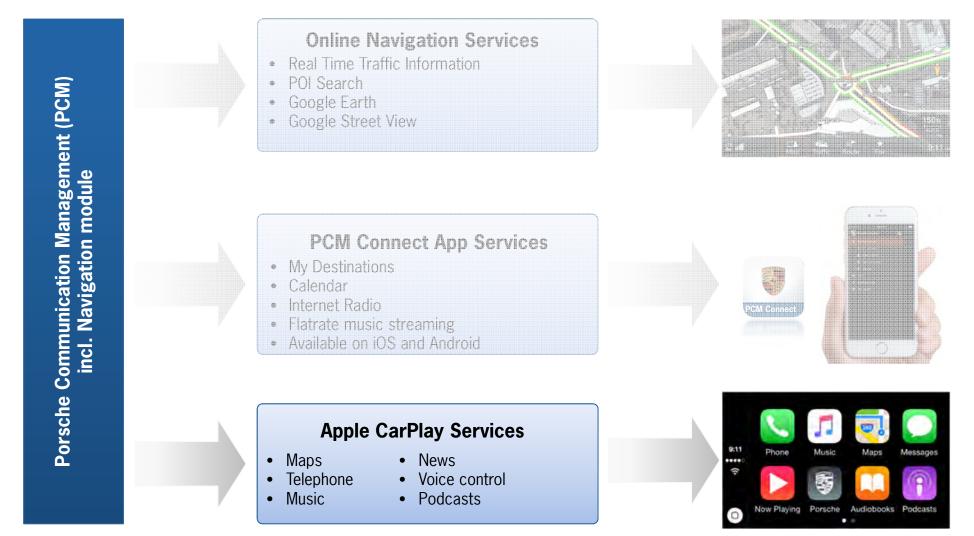
Porsche Communication Management (PCM) incl. Navigation module



PCM Connect App (Porsche Connect App)



The PCM enables Online Navigation, PCM Connect App Services, and Apple CarPlay



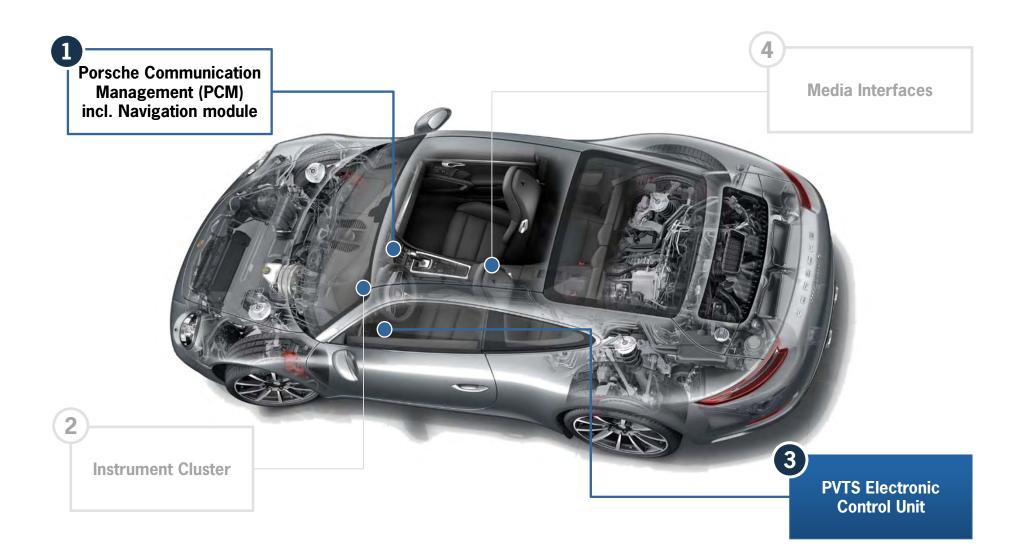


Apple CarPlay

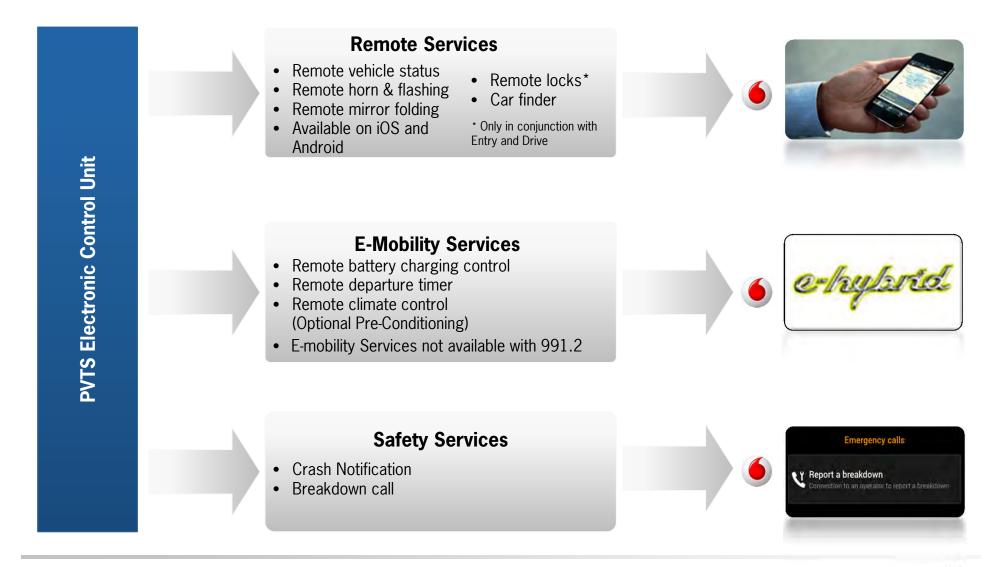


Smartphone compartment not available in the US

Online services are enabled via different software components



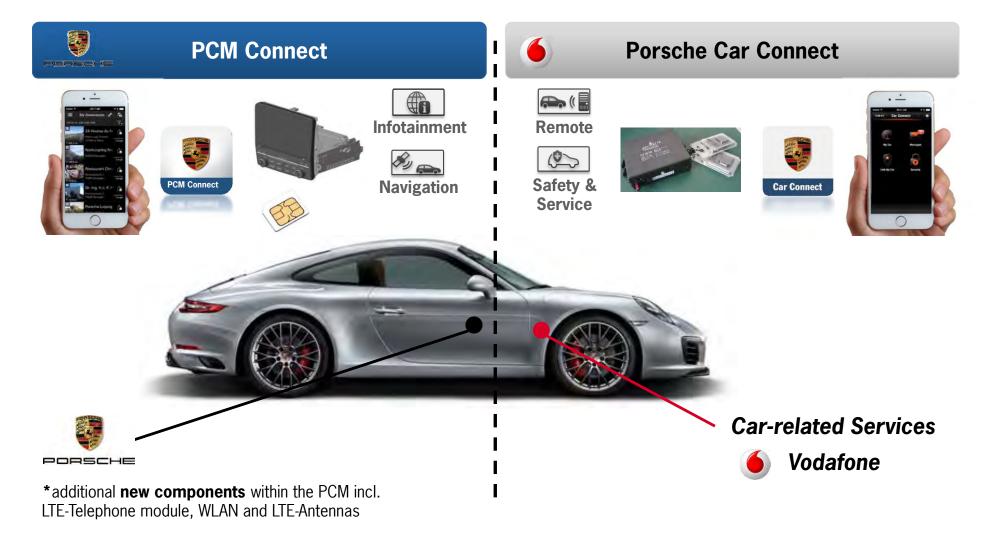
The PVTS Control Unit enables Porsche Car Connect Services



Porsche Car Connect

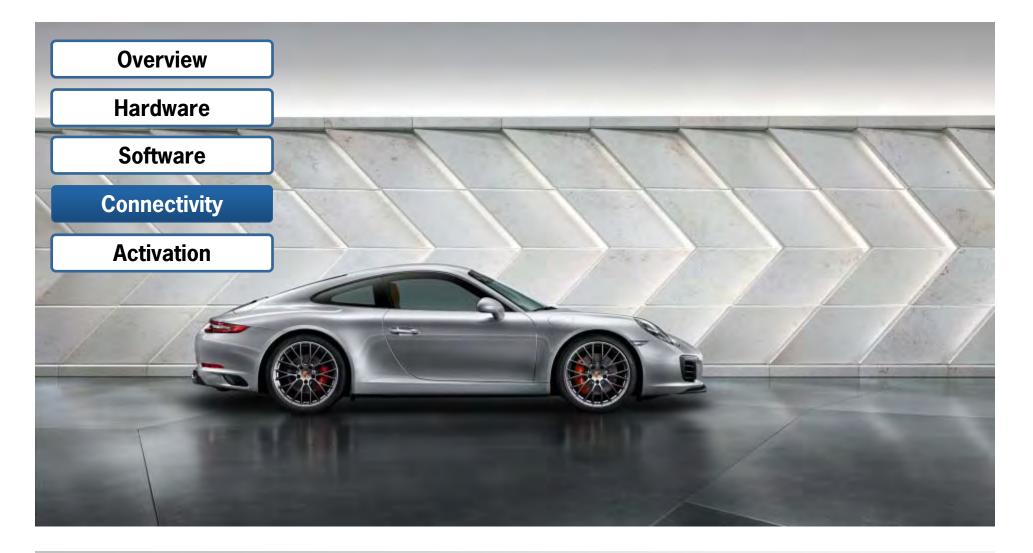


Technical differences: PCM Connect and Porsche Car Connect



Mike Steele | PCNA

Agenda

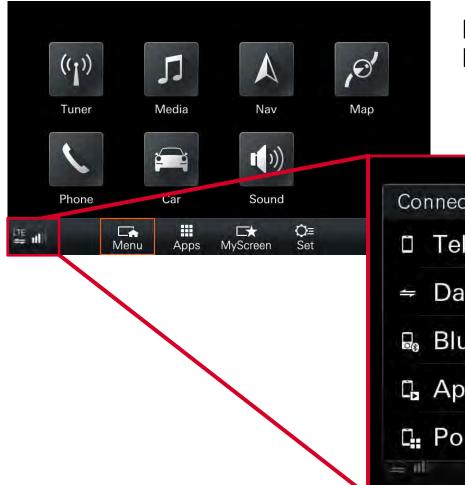


PCM and smartphone connectivity: There are multiple data connections



The Data Connection Manager will allow you to manage all connection types.

Data Connection Manager



Press the Antenna / Data symbol in the lower left corner to open the Connection Manager

	Bluetooth audio Apple CarPlay	P's iPhone Connect device
4	Data connection	SIM inserted
	Telephone	P's iPhone
Cor	nnections	×

Data Connection Manager

×	
P's iPhone	Bluetooth
SIM inserted	SIM card
P's iPhone	Bluetooth
Connect device	●← USB
Connected	WiFi
	<i>P's iPhone</i> <i>SIM inserted</i> <i>P's iPhone</i> <i>Connect device</i>

Note: Porsche Connect App = PCM Connect App

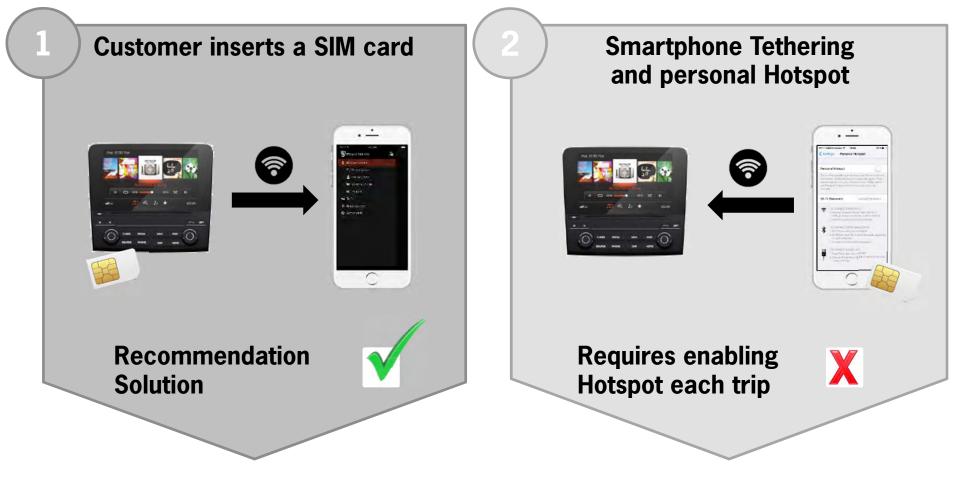
Online Navigation Services and Real Time Traffic Information (RTTI): Connectivity via SIM card in the PCM



The Online Navigation Services and Real Time Traffic Information (RTTI) require an internet connection. A SIM card with an active subscription will provide the best possible customer experience.

An AT&T SIM card with a 3 month/3 GB trial will be provided with the vehicle.

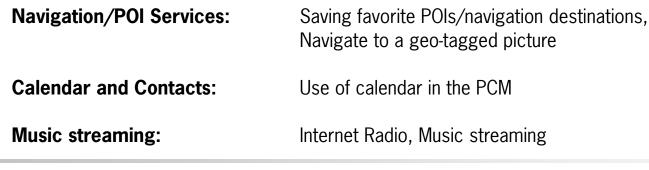
There are two possible options to establish a data connection in the 991.2



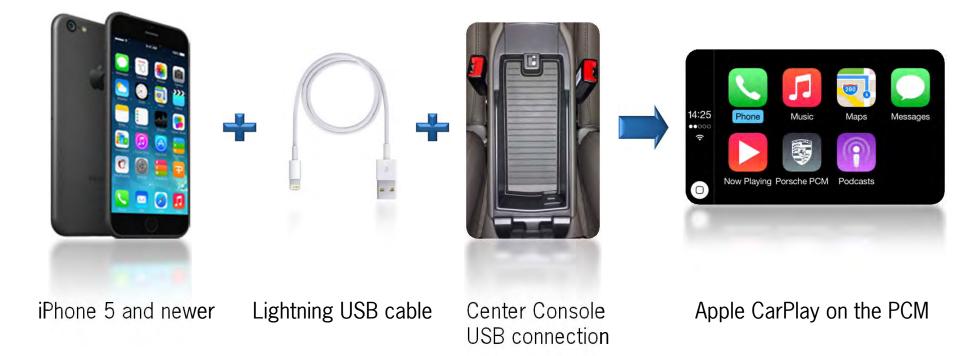
PCM Connect App: Connectivity via WiFi connection







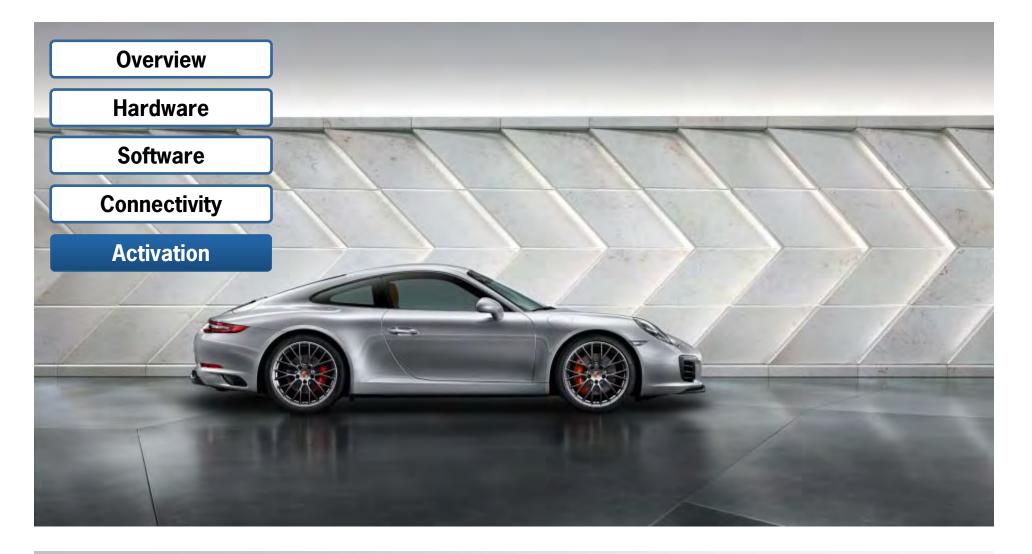
Apple CarPlay: Connectivity via a USB connection



The Apple CarPlay service is provided by Apple. The content provided is subject to change. Please visit Apple's website for up to date information regarding Apple CarPlay:

www.apple.com/ios/carplay

Agenda



Checklist

PCM incl. navigation module during the sales process

With its new generation of PCM and Connect services, Porsche is offering customers a

state of the art infotainment system with online navigation, optimum smartphone integration

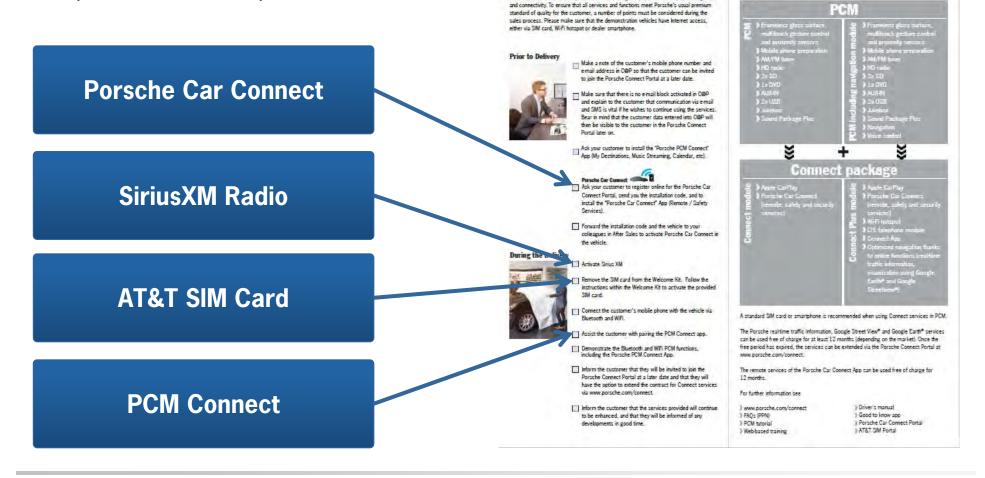
PCM

at a glance

Offer structure

There are 4 services that must be activated before delivery of the vehicle to the customer

The PCM Checklist will be available on PPN and provided with this presentation.



Porsche Car Connect

The Porsche Car Connect activation remains unchanged from the existing procedure.

Information is already available on PPN regarding the activation process.



Overview

Customer Web Portal (CWP)
Installation of Porsche Car Connect
Activation of Porsche Car Connect App
Porsche Car Connect Service Costs
Porsche Car Connect Operating Manual
Auxiliary Cabin Conditioning
Dealer Web Portal (DWP)
Demonstration Account for Porsche Dealerships
FACs and Troubleshooting
Support

Overview

Porsche Car Connect is a telematics system which provides Porsche owners the ability to interface with their vehicle from their smartphone app. It also provides additional safety features such as Airbag Deployment notification, vehicle theft detection and breakdown call capabilities.

The Porsche Car Connect smartphone app is now available for both Apple iOS and Android devices. Go to the Apple iTunes App Store for iOS devices and the Google Play Store for Android devices.

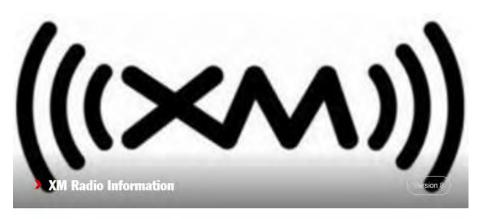
An optimized activation process is under review.

The Porsche webpage http://www.porsche.com/usa/carconnect/ provides the following description of PCC:

SiriusXM Radio

The SiriusXM Radio activation remains unchanged from the existing procedure.

Information is already available on PPN regarding the activation process.



XM Activation		
XM Activation Support		
XM Radio		
XM NavTraffic		
▶ Benefits		
Market Coverage		

XM Activation

Activating a Dealer/Factory Demo on the Web

To activate your complimentary, 1 year XM demonstration, please follow the steps below.

Step 1 Get your XM Radio ID by tuning to channel 0, one down from XM Preview. Please check your ID code carefully. The letters "I", "O", "S", and "F" are not used.

Step 2 Type the radio ID into the "*Radio ID (ESN or SID)" field at one of the link below, and click the "Send Activation Request" button. Upon completing Step 2, you have approximately 2 hours to complete Step 3.

https://care.siriusxm.com/retailrefresh_view.action

Step 3 Ensure your radio antenna has an unobstructed view of the sky (please make sure it isn"t in a garage), and turn your radio on and service should be activated within 15 minutes. If your radio isn't working after that time, you can resend the signal.

Activating a Dealer/Factory Demo by Phone

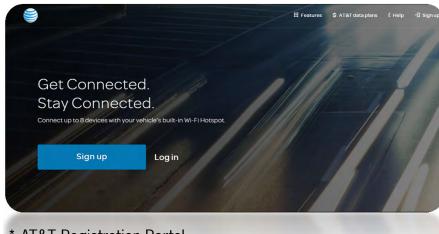
AT&T SIM Activation (Day 1)

Each vehicle equiped with Connect Plus will come with a 3GB / 3 Month Data Trial for customers to try our new connected car services



- Remove SIM from Welcome Information, insert the SIM into the PCM, Confirm Connectivity, and provide the AT&T Welcome Information to your customer.
- Customers will be contacted at the end of the trial and provided the opportunity to migrate to a normal individual account.
- Initial AT&T Welcome Information kits will be sent from PCNA to dealerships

AT&T SIM Activation (Future State)



* AT&T Registration Portal

In the future an AT&T web-portal will be utilized to register the customer's connectivity trial.

This will not only start the trial but allow for usage notifications and enable the ability to migrate from a trial account to an individual subscription.

You will be notified once this system is available.

Demonstration and Test SIMS:

Dealerships will be supplied with additional active AT&T SIM cards to facilitate customer demonstrations and workshop troubleshooting needs

The usage of these SIMs will be monitored and they are not to be used outside of normal product demonstrations and troubleshooting

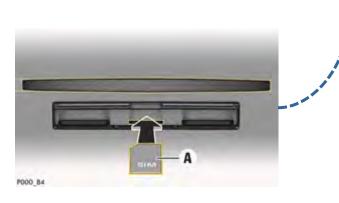
Excessive non-customer related usage may result in deactivation of your assigned SIMs

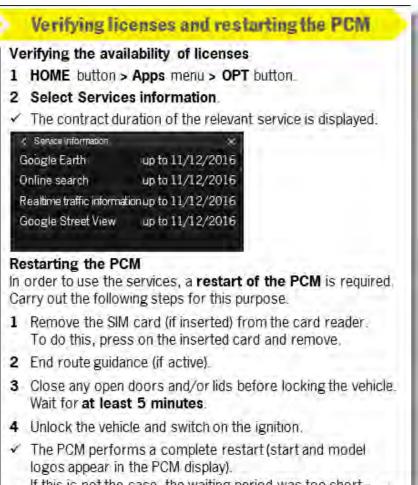
PCM Connect Activation (Day 1)

The PCM Connect Initialization procedure will be provided with this presentation, will be available on PPN, and will be provided as a Technical Information bulletin to AfterSales.

The main steps are:

- 1. Insert AT&T SIM
- 2. Verify Licenses
- 3. Restart PCM





PCM Connect Activation (Future State)

The PCM Connect Initialization procedure will no longer be required.

A Web portal will be created to activate and manage all of customer's connected services.

You will be notified once this system is available.



What is the future of connected cars?



What ideas do you have?