Technical training.
Product information.

G01 Navigation

Edited for the U.S. market by:
BMW Group University
Technical Training
ST1701 9/1/2017

BMW Service

General information

Symbols used

The following symbol is used in this document to facilitate better comprehension or to draw attention to very important information:

Contains important safety information and information that needs to be observed strictly in order to guarantee the smooth operation of the system.

Information status and national-market versions

BMW Group vehicles meet the requirements of the highest safety and quality standards. Changes in requirements for environmental protection, customer benefits and design render necessary continuous development of systems and components. Consequently, there may be discrepancies between the contents of this document and the vehicles available in the training course.

This document basically relates to the European version of left-hand drive vehicles. Some operating elements or components are arranged differently in right-hand drive vehicles than shown in the graphics in this document. Further differences may arise as a result of the equipment specification in specific markets or countries.

Additional sources of information

Further information on the individual topics can be found in the following:

- Owner's Handbook
- Integrated Service Technical Application.

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The information contained in this document forms an integral part of the BMW Group Technical Qualification and is intended for the trainer and participants in the seminar. Refer to the latest relevant information systems of the BMW Group for any changes/additions to the technical data.

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G01 Navigation

1. Summary

1.1. Introduction

The professional navigation system (OE 609) is available in the G01. The navigation system of the G01 is based on the G30. The Headunit High 2 is used with the navigation.

1.2. Further information

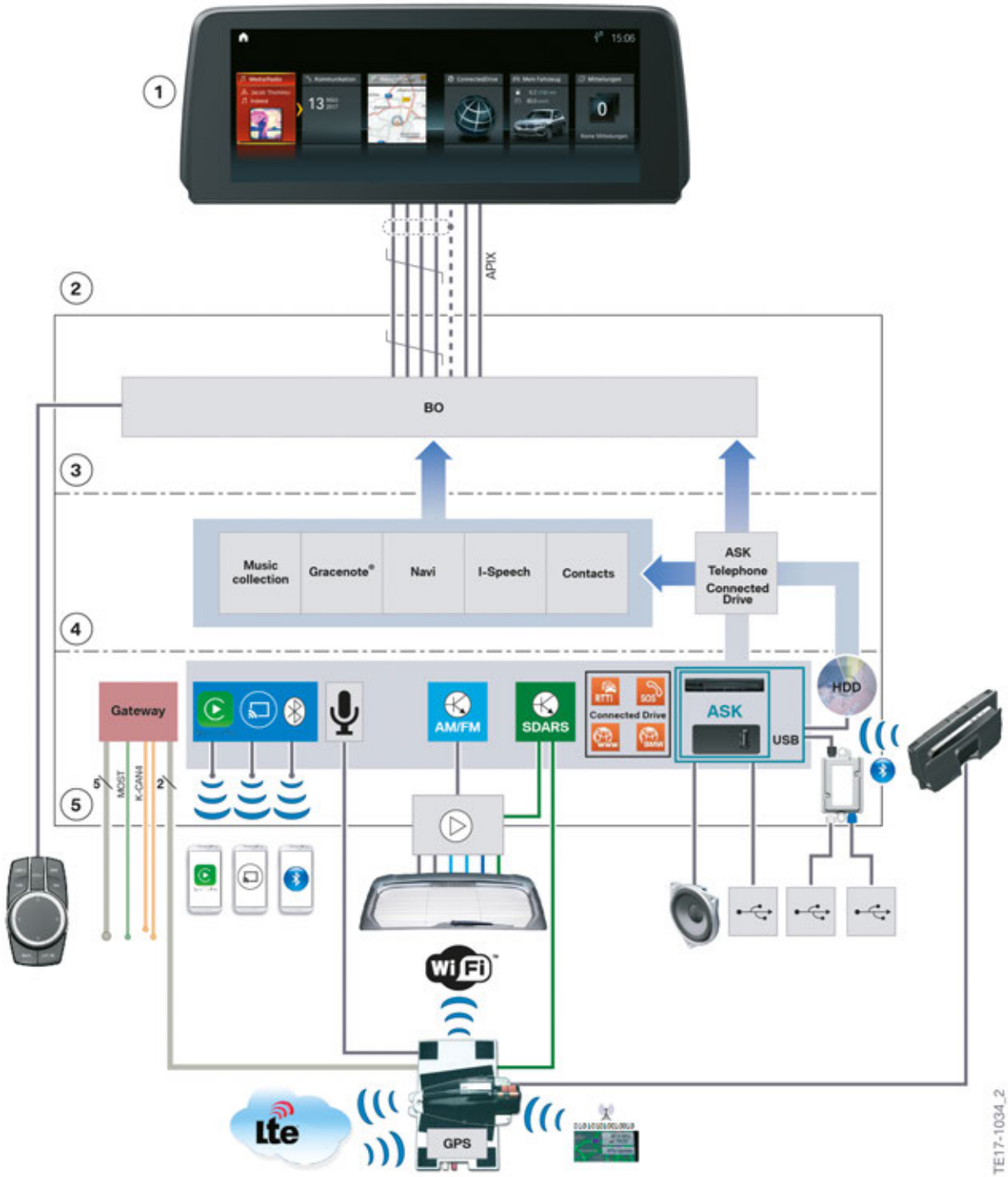
The functions in the navigation area mainly based on those of the G12 or G30. The following table provides an overview with further information:

Function	Product information
Navigation map update	• ST1610 Infotainment 2016 • ST1501 G12 Information and Communication/Navigation
Professional navigation system	• ST1501 G12 Information and Communication/Navigation

G01 Navigation

2. Navigation System

2.1. Functional wiring diagram of Headunit High 2



G01 Functional wiring diagram of Headunit High 2

G01 Navigation

2. Navigation System

Index	Explanation
1	Central Information Display (CID)
2	Headunit High 2 (HU-H2)
3	User interface
4	Applications / Software
5	Interfaces/device connections

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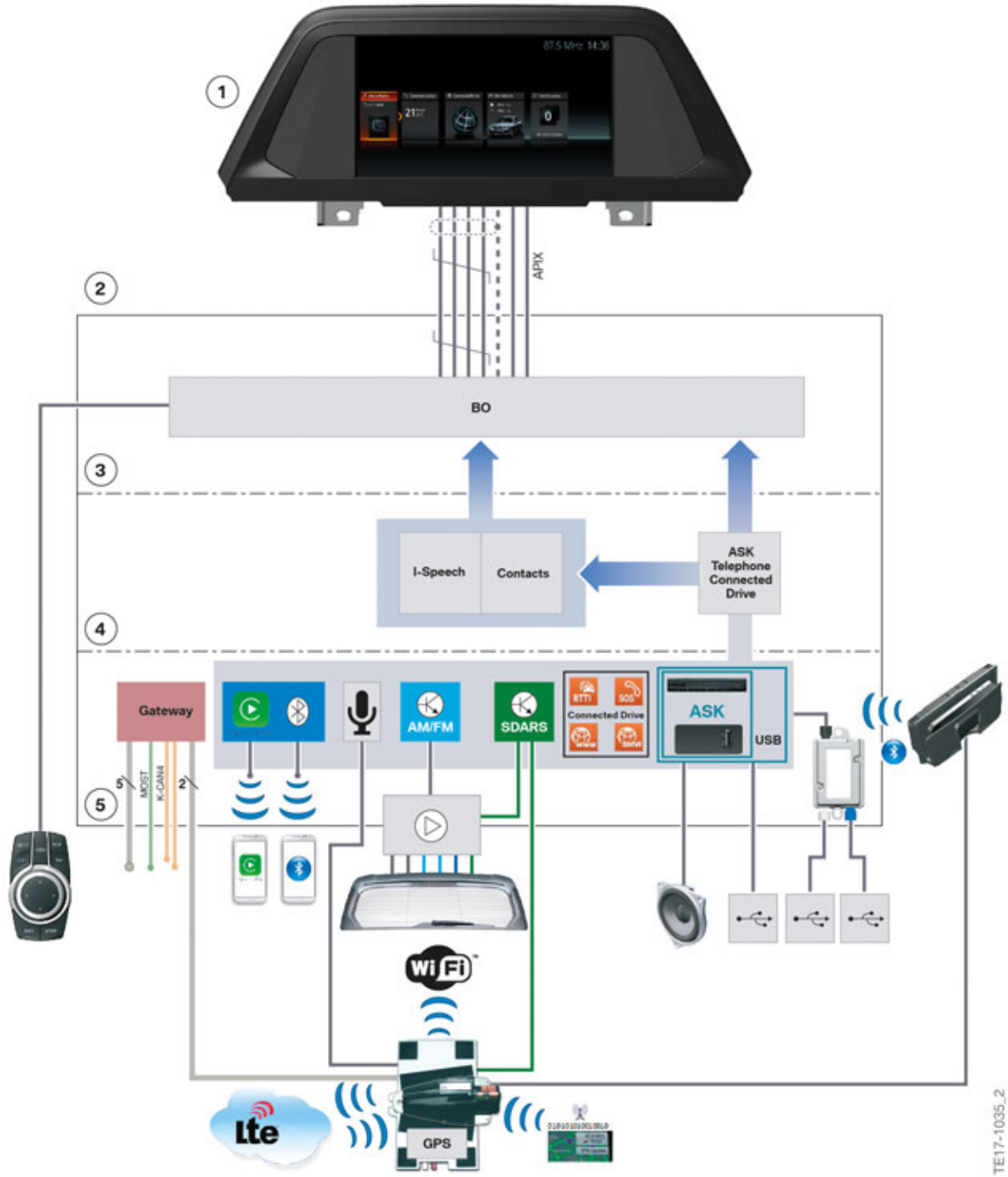
2. Navigation System

2.2. Functional wiring diagram Headunit Basic 2



G01 Functional wiring diagram Headunit Basic 2

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2. Navigation System

Index	Explanation
1	Central Information Display (CID)
2	Headunit Basic 2 (HU-B2)
3	User interface
4	Applications / Software
5	Interfaces/device connections

2.3. Navigation maps

The customer is given a three-year subscription for navigation map updates. Furthermore, automatic updating of the navigation maps is available. The prerequisite for this is a valid ConnectedDrive Services contract.

The following table features an overview of the navigation maps available in the G01:

Navigation system	Headunit	Map data	Variable
Professional navigation system (OE 609)	HU-H2	EVO	32 GB

2.3.1. Update options

Overview

The following options for updating the navigation maps are available:

- Automatic updating
- Updating during service
- Updating by the customer

Automatic map data updating

The prerequisite for automatic updating of the navigation maps is a valid ConnectedDrive Services contract.

The region for automatic navigation map updating is set in the ConnectedDrive portal.

G01 Navigation
2. Navigation System

Enabling code

The enabling code for the navigation maps is 128 digits long . The enabling code is therefore no longer entered via the controller, but is provided on the USB stick together with the navigation maps.

Further information relating to navigation map updating may be found in the Aftersales Assistance Portal ASAP (Sweeping Technologies).

ConnectedDrive portal

The customer can download the navigation maps from the ConnectedDrive portal and upload them into the vehicle himself. A detailed description of this procedure may be found in the **ST1610 Infotainment 2016 Product Information**.

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3. ConnectedDrive Services

3.1. Parking information

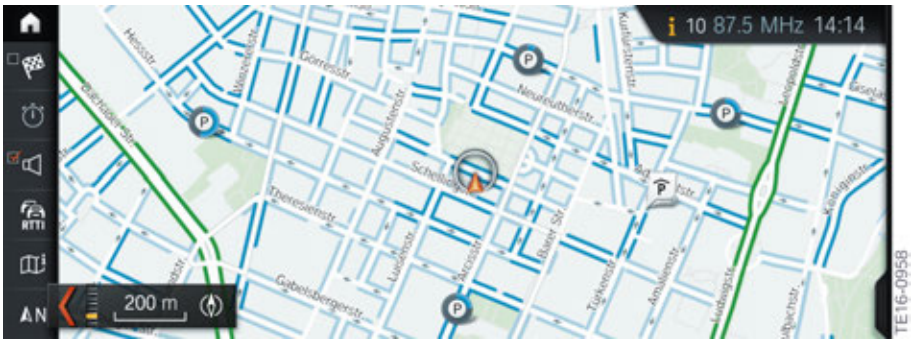
Parking information is a new function in navigation. The parking information is called “On-Street Parking Information” in the vehicle menu.

The probability of there being free parking spaces determined by calculating various values is shown on the navigation map. The data for this calculation is determined by Floating Car Data, among other parameters.

The vehicle must satisfy the following prerequisites:

- Navigation system Professional (OE 609)
- ConnectedDrive Services

The scale for the navigation map must not be set to more than 500 m (1/4 mile) to allow an overview of the parking information to be displayed in the navigation map. The parking information is displayed for a radius of 2 km (1.2 miles) around the current position of the vehicle.



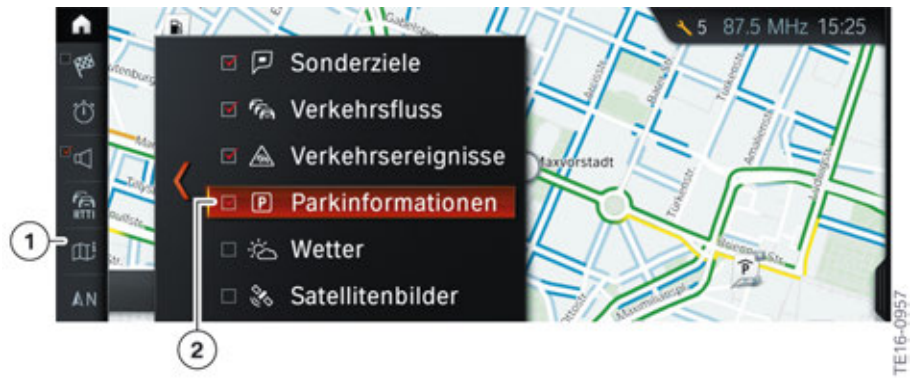
G30 Parking information

Index	Explanation
Light blue	Medium probability of finding a free parking space (approximately 50%)
Dark blue	High probability of finding a free parking space (approximately 75%)

3.1.1. Activation

Parking information must be activated in the navigation system.

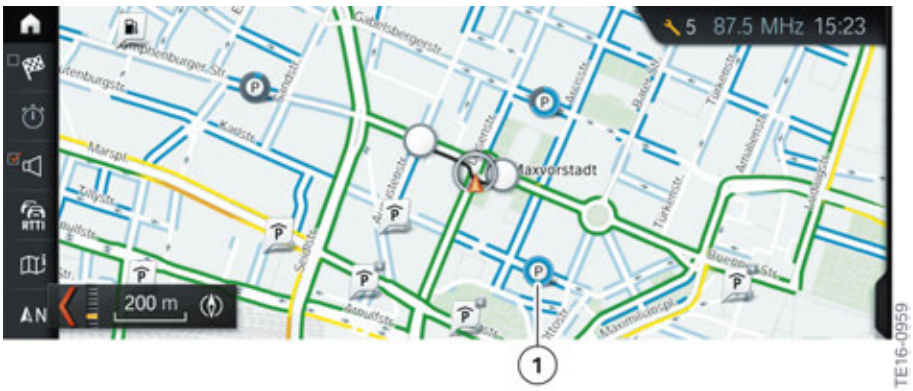
G01 Navigation
3. ConnectedDrive Services



G30 Activating parking information

Index	Explanation
1	Additional information on map
2	Parking information

3.1.2. Display



G30 DriveNow parking information

Index	Explanation
1	Time information concerning parking spaces freed up by DriveNow vehicles

A “P” in the map display indicates when a DriveNow vehicle leaves a parking space free. The circle around the “P” runs down, like a stopwatch. This lets you see how long ago the DriveNow vehicle left the space. A complete revolution of the circle takes 5 minutes.

3.1.3. Cover

Parking information is a ConnectedDrive service and is available in selected cities. A list of these can be accessed via the menu. At the start, parking information relates principally to a few major cities in Germany. The list can change at any time as this is a ConnectedDrive service. This means that other cities will be added.

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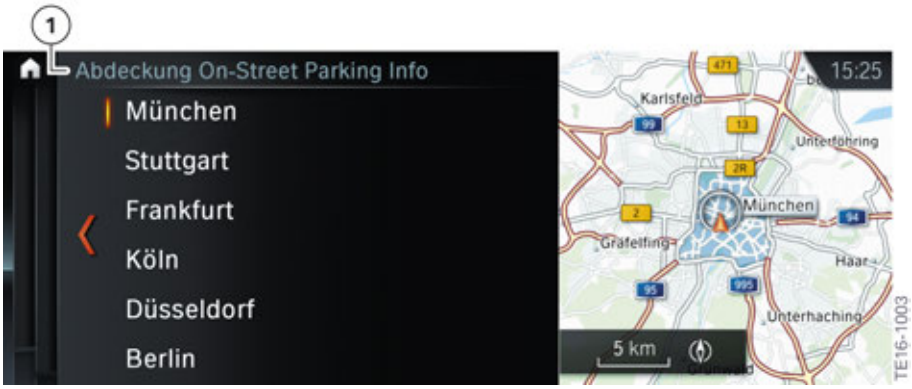
3. ConnectedDrive Services



G30 Parking information cover

Index	Explanation
1	Parking information cover

3.2. ParkNow

G01 ParkNow

Available as part of BMW ConnectedDrive, the ParkNow app has been integrated into the navigation system. ParkNow is an innovative digital parking service, which allows customers to search for parking using ParkNow's mobile app or in-vehicle by means of the navigation system. Drivers can reserve, pay for, and then be navigated directly to the parking facility. The driver i s able to search for parking spots nearby or at a destination and make a reservation.

ParkNow is a function that can be used from the ConnectedDrive menu.

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3. ConnectedDrive Services

3.2.1. Registration

ParkNow only works in the vehicle if an active ConnectedDrive Service contract is in place.

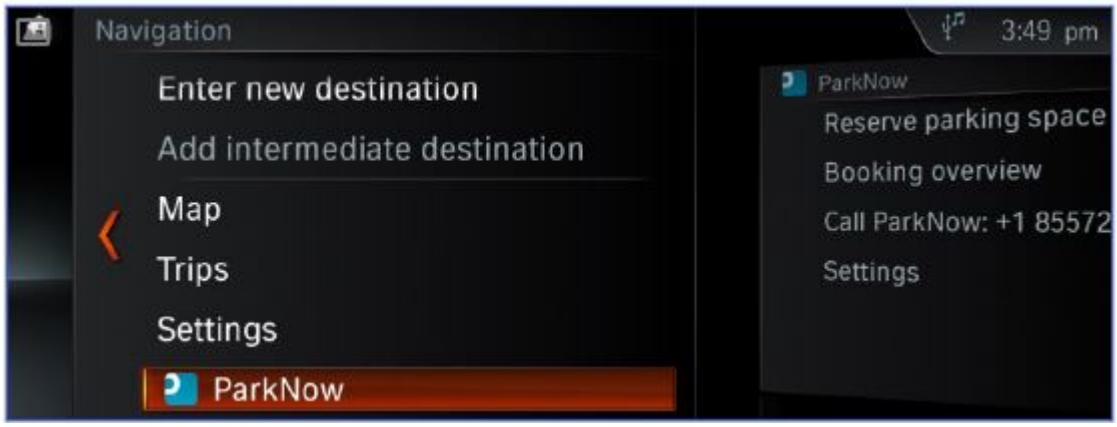
Linking ParkNow to Your BMW ConnectedDrive Account

First download the ParkNow App. Then, create an account with ParkNow. Under the account section, select “Connect to BMW ConnectedDrive.” Sign into your BMW ConnectedDrive account using the same username and password as the My BMW ConnectedDrive portal or BMW Connected app login credentials.

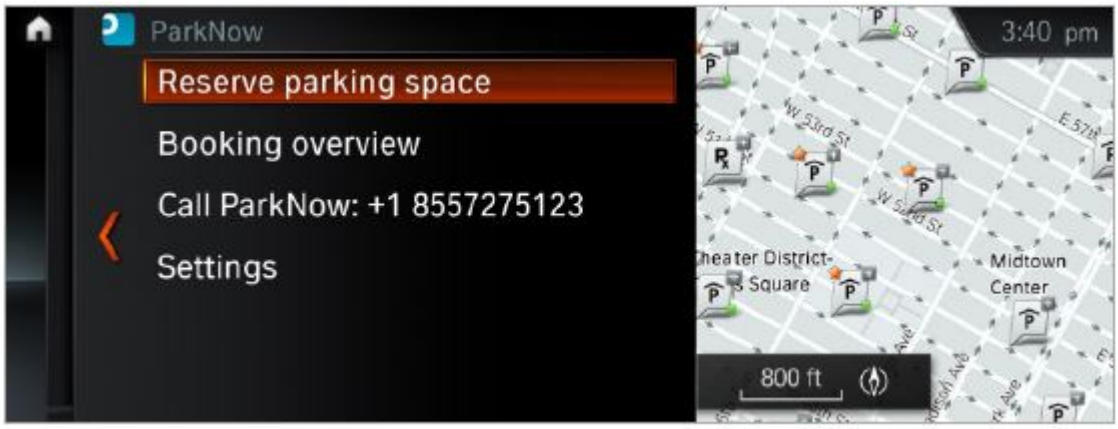
Second inside the vehicle, go to “Navigation” menu followed by ParkNow app. Log in to your ConnectedDrive account.

Accessing the ParkNow Service and Making a Reservation

Select “Navigation” from the main menu. Scroll down and click on the “ParkNow” app.



Next, select “Reserve parking space”.



Then select “Parking” in the categories screen.

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3. ConnectedDrive Services

Select “Parking Garage”.

Select “Change location and filter criteria.” Check the boxes “ParkNow” and “Reservable” to add these filters to your search followed by “Show results.” Select on a garage to see more information regarding the address, distance, and the option to reserve. Icons with a star represent preferred parking garages that accept reservations .

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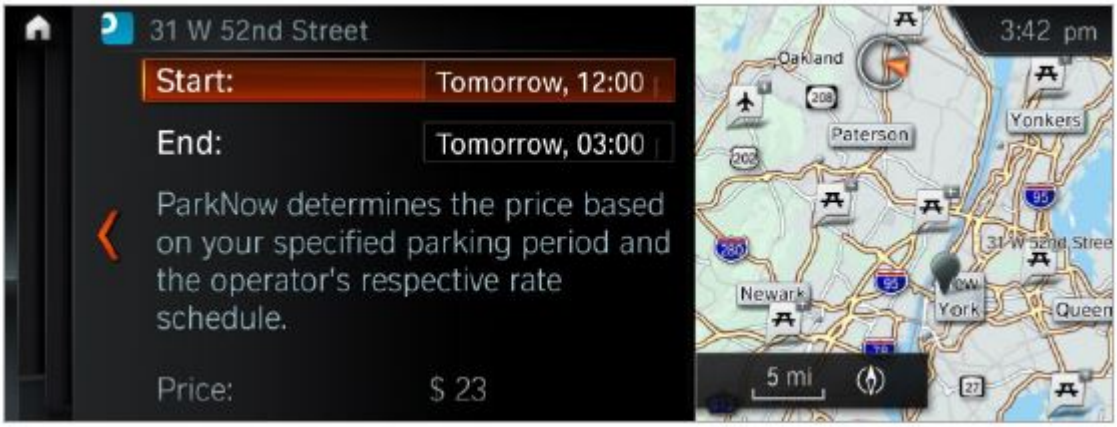
3. ConnectedDrive Services

To make a reservation, click on “Reserve”.

Then select the start and end time.



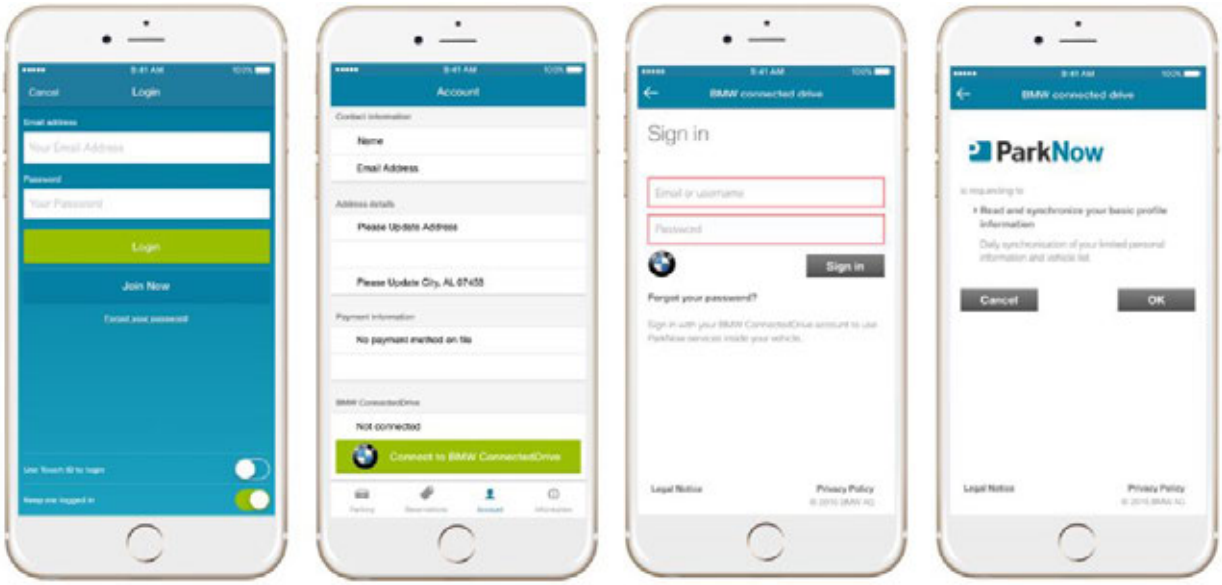
The actual cost will be shown on the screen. Once confirmed, select “Reserve parking space.”

A reservation ID will appear shortly after, which can be provided to the parking attendant upon arrival. Select the address to begin navigating to the garage. As you approach the garage, the confirmation screen with reservation ID will automatically appear again on the iDrive screen.

Payment data is specified during ParkNow registration. Available payment options are direct debit, credit card or PayPal.

3.2.2. ParkNow app

ParkNow can also be used on a smartphone. The ParkNow app must be installed for this.



ParkNow app

Index	Explanation
1	Login
2	Create account
3	BMW ConnectedDrive login
4	ParkNow and BMW ConnectedDrive screen

3.2.3. Menu

The ParkNow function can be launched from a number of menus in the vehicle:

- Navigation menu
- ConnectedDrive menu

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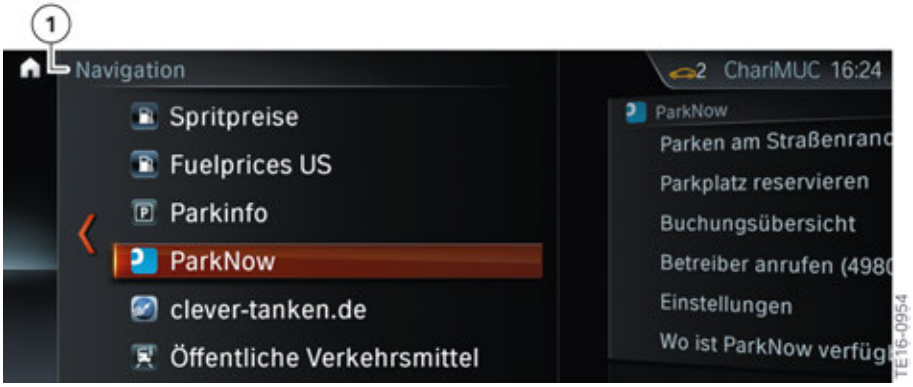
3. ConnectedDrive Services

Navigation menu

ParkNow is started from the Navigation menu.

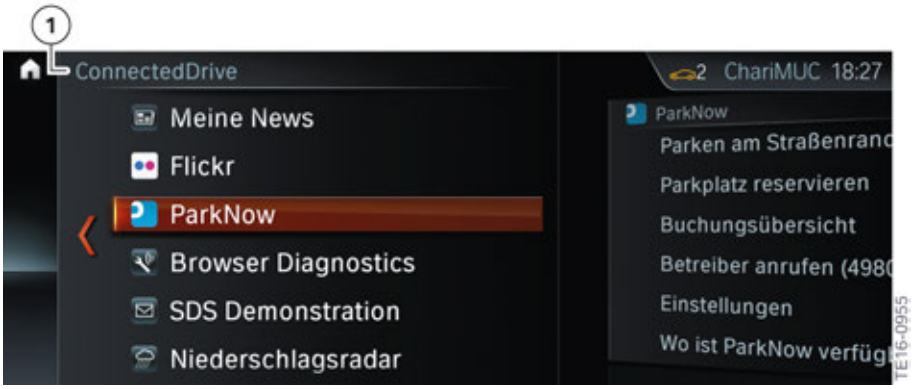


G30 ParkNow navigation

Index	Explanation
1	Navigation menu

ConnectedDrive menu

ParkNow can also be accessed via the ConnectedDrive menu in the vehicle.



G30 ParkNow ConnectedDrive

Index	Explanation
1	ConnectedDrive menu

ParkNow is currently available in select major cities. To check to see if ParkNow is available in a certain city, visit their website at (https://www.park-now.com).

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