



## **WELCOME TO BMW.**

### **Owner's Handbook. Navigation, Entertainment, Communication.**

Congratulations on your choice of a BMW.

The better you are acquainted with your vehicle, the easier you will find it is to operate. We would therefore like to offer you the following advice:

Please read the Owner's Handbook before setting out in your new BMW.

Also use the Integrated Owner's Handbook in your vehicle. It contains important notes on how to operate the vehicle, enabling you to derive maximum benefit from the technical advantages of your BMW. It also contains useful information which will help you to maintain both the operating and road safety of your BMW as well as its full resale value.

If applicable, you will find updates after the editorial deadline in the appendix of the printed Owner's Handbook for the vehicle.

Supplementary information is provided in the other documents of on-board literature. Your BMW AG wishes you pleasant and safe driving.

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Navigation, entertainment and communication can be called up in the following Owner's Handbooks: Integrated Owner's Handbook in the vehicle, Online Owner's Handbook, BMW Driver's Guide app.

vom 13.02.2018  
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## ← NAVIGATION

Navigation system .....	8
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# Navigation system

## Vehicle equipment

This chapter describes all standard, country-specific and special equipment available for the model series. It may therefore describe equipment and functions which are not installed in your vehicle, for example on account of the optional equipment selected or the country specification. This also applies to safety-relevant functions and systems. Please comply with the relevant laws and regulations when using the corresponding functions and systems.

## Overview


### General

The navigation system can determine the precise position of the vehicle by means of satellites and guide you reliably to any specified destination.

Navigation data is saved in the vehicle and can be updated with a USB data storage medium.



Certain navigation system services are only available in full if you agree to the data protection terms. The services, see page 30, can be configured individually.

### Calling up the navigation system

1.  Press the button on the Controller.
2. "NAV"

### Buttons on the Controller

The buttons on the Controller enable quick access to the navigation system.

Symbol	Function
	Call up the destination input menu.
	Call up map view. If route guidance is active, call up the information window.

## Safety notes

### WARNING

Operating integrated information systems and communication devices during a journey may distract you from the traffic. You could lose control of the vehicle. There is a danger of accidents. Only operate the systems or devices if permissible in the traffic situation. Stop if necessary and operate the systems or devices with the vehicle at a standstill.

### WARNING

The current road and traffic situation may differ from the instructions given by the navigation system, for example due to changes in road routing or roadworks. There is a danger of accidents. Always obey the traffic regulations and road signs.


## Split screen

### Principle


Additional information for navigation can be shown on the right-hand part of the split screen.



## Switching on/off

1.  Press the button on the Controller.
2. Tilt the Controller to the right.
3. "Split screen"
4. "Split screen"

## Selecting the display

1.  Press the button on the Controller.
2. Tilt the Controller to the right.
3. "Split screen"
4. Select the desired setting.

## Arrow view

### Principle

When route guidance is active, route guidance information can be displayed as a list in the split screen.

### General

On multi-lane roads, lane information shows the recommended lanes if necessary.

The current vehicle position can also be shown in the lane information

### Display

The following information is displayed during route guidance:



- 1 Turn-off prompt
- 2 Upcoming road

- 3 Distance to manoeuvre
- 4 Lane information
- 5 Current road

Depending on the national specification, the display may differ from that illustrated.

## Navigation data

### General

Navigation data is saved in the vehicle and can be updated via a USB medium.

Current navigation data is available from a Service Partner of the manufacturer or another qualified Service Partner or a specialist workshop or from the ConnectedDrive store.

Depending on the volume of data, updating the navigation data can take several hours. You can check the status of the update process.

To save the vehicle battery, the navigation data is updated during a journey.

### Updating

1. Connect a USB medium with the new navigation data to a USB interface in the front.
2. Follow the instructions on the Control Display.
3. After updating, remove the USB medium.

### Information on the current map version

1.  Press the button on the Controller.
2. Tilt the Controller to the right.
3. "Settings"
4. "Update"



## Automatic map update

### General

Depending on the equipment and the country specifications, navigation data for the home region is transferred to the vehicle online several times a year, where it is automatically installed and updated.

### Activating/deactivating

The automatic map update services can be activated or deactivated in the settings, see page 30.





# Destination input

## Vehicle equipment

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## Quick search

### Principle



Depending on the equipment version, Points of Interest and addresses can be searched online or in the navigation data saved in the vehicle by entering a sequence of letters.

All entries containing this sequence of letters are shown.

### General

You can search for a town/city and street at the same time. To do this, enter a sequence of letters for the town name, then a space, and then a sequence of letters for the street name.

### Calling up quick search

1.  Press the button on the Controller.
2.  "Quick search"
3. Enter at least two letters or characters.

If applicable, the search term will be automatically completed in grey text.

Tilt the Controller upwards to accept the suggested search term.



4. **OK** Select symbol as appropriate.  
The results are shown as a list.
5. "Search location": select search location if applicable.
6. Tilt the Controller to the right.
7. Select the desired destination.

## Last destinations

### General

The last destinations driven to are saved automatically.

### Calling up a destination from last destinations

1.  Press the button on the Controller.
2.  "Recent destinations"
3. Select a destination.

### Editing last destinations

1.  Press the button on the Controller.
2.  "Recent destinations"
3. Highlight a destination.
4.  Press the button.
5. Select the desired setting:
  - ▶ "Save destination as favourite": save as favourite destination.
  - ▶ "Delete entry": delete the selected destination.
  - ▶ "Delete entire list": delete the list of last destinations.

## Destination input by voice control

### General

- ▷ For the handbook for the voice control system, see Owner's Handbook for the vehicle.
- ▷ When entering destinations using spoken commands, it is possible to switch between voice control and iDrive.
- ▷ To have possible voice commands read aloud: ›Voice commands‹ or ›Help‹.

### Voice commands


- ▷ Complete addresses can be spoken in a single command. When entered individually, countries, towns/cities, streets and junctions can be spoken in whole words. To do so, the language of the system must be set to the language of the destination country.
- ▷ Addresses can be spelled out even if the system is set to a different language.  
Pronounce letters fluently and avoid excessive intonation and pauses.
- ▷ You can search online for Points of Interest for navigation using natural language; for example, by asking for certain restaurants nearby.
- ▷ The options for input depend on the specific navigation data and the country and language settings.

### Entering an address in a command

The desired destination can be entered in a command. There are different options for stating the destination.

For destinations within the same town/city, you merely need to state the street. The system will adopt the current town/city automatically.

It is also possible to say Points of Interest, for example ›Drive to the nearest filling station‹.



1.  Press the button on the steering wheel.
2. State your desired destination in one sentence.

## Home address



### General

The home address must be created in order to set it as the destination.

### Defining the home address

1.  Press the button on the Controller.
2.  "Home address"
3. Enter an address.

### Accepting your home address as a destination

1.  Press the button on the Controller.
2.  "Home address"

### Editing the home address

1.  Press the button on the Controller.
2. Highlight the home address.
3.  Press the button.
4. Select the desired setting:
  - ▷ "Edit entry": change the home address.
  - ▷ "Delete entry": delete the home address.



## Points of Interest

### General

Points of Interest are special locations that can be useful during a journey. Points of Interest, for example restaurants, hotels, service stations or charging stations, can be accepted as a destination. Even if the navigation data is up to date, information on individual Points of Interest may have changed, for example filling stations may not be in operation.

### Searching for Points of Interest

#### Calling up Point of Interest search

1.  Press the button on the Controller.
2.  "Points of interest"
3. Select the desired setting:
  - ▶ "Category search": search for Points of Interest in navigation data saved in the vehicle.
  - ▶ Search using preferred Point of Interest categories.

#### Category search

1. "Category search"
2. "Search location": select search location.
3. Select the desired Point of Interest category or search for all Point of Interest categories if applicable.

The Points of Interest are searched for at the current location.

When route guidance is active, the Points of Interest are searched for along the route.

4. The list of Points of Interest is displayed.  
The Points of Interest are sorted by distance.
5. "Filter": to adapt the search criteria if necessary:
  - ▶ "Filter search results by:": to change sorting.

Depending on the equipment, filling stations can be sorted by fuel price.

- ▶ "Search location": to change search location.
  - ▶ Select category details if necessary.
  - ▶ "Keyword": to restrict list by a keyword search.
6. "Show results"
  7. Select a Point of Interest.  
The details are displayed.
  8. Select an address.
  9. "Start route guidance"

#### Preferred Point of Interest categories

Point of interest categories that have been searched for most frequently are displayed.

Select a preferred Points of Interest category to search at the location for Points of Interest of the desired category.



When route guidance is active, preferred Point of Interest categories are searched for along the route.

### Displaying Points of Interest in the map

#### Principle

The categories of the Points of Interest can be shown as symbols on the map.

#### Selecting categories

1.  Press the button on the Controller.
2. Tilt the Controller to the right.
3.  "Settings"
4. "Map settings"
5. "Points of interest on the map"
6. Select the desired setting.

The display can be switched on and off in the function bar of the map view, see page 24.

## Favourites

### Principle


Addresses, Points of Interest and the current position can be saved as favourites.

### Saving current position as a favourite

#### General

The current position can also be saved after destination input or via the interactive map, even while driving.

#### Saving

1.  Press the button on the Controller.
2. Press the Controller.
3. ☆+ "Save map as favourites"  
The current position is saved in the list of favourites.

#### Selecting

1.  Press the button on the Controller.
2. ☆ "Favourites"
3. Select an entry.


#### Editing

##### Editing display names

1.  Press the button on the Controller.
2. ☆ "Favourites"
3. "Edit entry"
4. Highlight the entry.
5.  Press the button.

6. "Name displayed"
7. Enter a name for the destination. For an explanation of the principle, see Owner's Handbook for the vehicle.

### Assigning a colour for an icon

1.  Press the button on the Controller.
2. ☆ "Favourites"
3. Highlight the entry.
4.  Press the button.
5. "Edit entry"
6. "Pin"
7. Select the desired setting.

### Audio signal



#### Principle

A signal sounds when you are approaching a favourite.

#### Assigning audio signal



1.  Press the button on the Controller.
2. ☆ "Favourites"
3. Highlight the entry.
4.  Press the button.
5. "Edit entry"
6. "Set favourite alert for this destination"

### Deleting Favourites

1.  Press the button on the Controller.
2. ☆ "Favourites"
3. Highlight the entry.
4.  Press the button.
5. "Delete entry"





## Showing details

1.  Press the button on the Controller.
2. ☆ "Favourites"
3. Highlight the entry.
4.  Press the button.
5. "Show details"

## Deleting all entries

1.  Press the button on the Controller.
2. ☆ "Favourites"
3.  Press the button.
4. "Delete entire list"

## Changing the sorting



1.  Press the button on the Controller.
2. ☆ "Favourites"
3.  Press the button.
4. "Refresh list"

## Entering the destination using an address

### General

For the address, the country and town/city must be entered as a minimum. If only the town/city has been entered, route guidance to the town/city centre is started.

### Selecting a country

1.  Press the button on the Controller.
2.  "Address input"
3. "Country"
4. Select the country from the list.



## Entering an address

1. Enter letters or numbers for the town/city.
2. Tilt the Controller to the right to select the town/city or postal code from the list.
3. Enter the street in the same way as for the town/city or skip this entry.
4. Enter letters or numbers for the house number/junction or skip this entry.
5. If applicable, switch to the list of house numbers or junctions so as to select the house number/junction.

## Starting route guidance

"Start route guidance" or add a stopover, see page 16.

## Selecting a destination from contacts

1.  Press the button on the Controller.
2.  "Contacts"  
Contacts with addresses are displayed if these addresses have been checked as destinations. Checking an address as a destination, see page 60.
3. Select a contact.
4. Select an address.

## Received destinations



### General

If destinations or routes have been transferred to the vehicle via the BMW Connected app or the BMW route portal, they are automatically saved as a received destination and can be added to the route guidance.




Destinations sent from the Concierge Service, for example, are saved in the received destinations.



## Calling up a destination from received destinations

1.  Press the button on the Controller.
2.  "Received destinations"
3. Select a destination.

## Editing received destinations

1.  Press the button on the Controller.
2.  "Received destinations"
3. Highlight the entry.
4.  Press the button.
5. Select the desired setting:
  - ▷ "Save destination as favourite": save as favourite destination.
  - ▷ "Delete entry": delete the selected destination.
  - ▷ "Delete entire list": delete the list of received destinations.

## Entering a destination using GPS coordinates



### Principle

Destinations can be entered directly using GPS coordinates.

### General

The coordinates can be entered in degrees, minutes and seconds or as a decimal value.

### Calling up

1.  Press the button on the Controller.
2.  "GPS coordinates"
  - ▷ "Degrees Minutes Seconds"
  - ▷ "Decimal"


3. "Longitude" or "Latitude"
4. Enter the desired coordinates and compass direction.
5. If necessary, enter values for minutes and seconds, and compass direction.
6. "Apply coordinates"

## Trip

### General

When planning a trip, it is possible to enter several stopovers.

### New trip

1.  Press the button on the Controller.
2. Select the mode of destination entry.
3. Select the individual destination.
4. Enter a stopover.



## Stopovers

### General

An individual destination must be set prior to entering a stopover.

A maximum of 30 stopovers can be entered for one trip.



### Enter a stopover

1.  Press the button on the Controller.
2. Tilt the Controller to the right.
3.  "Intermediate dest."
4. Select the mode of destination entry.
5. Enter a stopover.

### Sorting stopovers

The order of the stopovers can be modified. From the second stopover onwards, the list of

stopovers is automatically displayed when a new stopover is entered.

1.  Press the button on the Controller.
2.  "Destination info"
3. "Sort destinations"

### Editing stopovers

1.  Press the button on the Controller.
2.  "Destination info"
3. Highlight the stopover.
4.  Press the button.
5. Select the desired setting:
  - ▶ "Save destination as favourite": save the stopover as a favourite.
  - ▶ "Delete entry": to delete the stopover.



### Saved journeys

#### General



Up to 30 trips can be saved in the trip list. If necessary, delete existing trips so that new trips can be saved.

#### Saving




The route guidance for the journey must be active.

1.  Press the button on the Controller.
2.  "Destination info"
3. "Save journey"
4. Enter name.
5. **OK** Select the symbol.

#### Selecting

1.  Press the button on the Controller.
2.  "Journeys"
3. Select the desired journey.

### Editing

1.  Press the button on the Controller.
2.  "Journeys"
3. Highlight the desired trip.
4.  Press the button.
5. Select the desired setting:
  - ▶ "Rename": rename journey.
  - ▶ "Delete entire list": delete journey.

### Last journey

The last journey driven is automatically saved and can be called up again. The last journey is at the top of the list of saved journeys.

### Transferring journeys to the vehicle

Journeys can also be planned via the BMW route portal and transferred to the vehicle. Journeys transferred from the BMW route portal are saved under the received destinations, see page 15.

# Map

## Vehicle equipment

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## Map, overview

### Calling up the map



The map can be directly called up with the button on the Controller.

### Overview

#### General

The map can be operated using iDrive.

For an explanation of the principle, see Owner's Handbook for the vehicle.

### Map view



- 1 Touchscreen operation: change the map view
- 2 Status field
- 3 Call up the destination input menu
- 4 Route stage with traffic obstruction
- 5 Road sign for traffic obstruction
- 6 Planned route
- 7 Location
- 8 Function bar

### Function bar

To switch to the function bar, tilt the Controller to the right.

Symbol	Function
	Ending route guidance.
	Route preview.
	To switch spoken instructions on/off.
	Traffic information. Status of traffic information.
	Select theme map.
	Set up map.
	Add a stopover.



Symbol	Function
	Settings.
	Split screen.

### Status field

The following information is displayed:

- ▶ Symbol for active route guidance.
- ▶ Time and distance to destination.
- ▶ Possible time delay due to traffic obstructions.


### Traffic obstructions

If traffic information is received, traffic obstructions can be shown on the map.

Traffic information, see page 26.

## Route guidance

### Starting route guidance


1.  Press the button on the Controller.
2. Select the mode of destination entry, see page 11.
3. Select a destination.
4. Start route guidance if necessary.

### Information window for route guidance

#### General

Once the route has been started, an information window appears automatically in which the route criteria can be adjusted and alternative routes displayed. The route magnet can be used to change the current course of the route.

### Displaying the information window again

 Press the button on the Controller.



Touchscreen operation: when route guidance is active, you can tap the status field, see page 18, on the map view to display the information window again.

### Calling up active route guidance

#### Principle

Once a route guidance instance has been started, it can be called up again.

### Calling up current route guidance

1.  Press the button on the Controller.
2.  "Destination info"

### Simulating route guidance


#### Principle

The journey along a route can be simulated while the vehicle is stationary with route guidance active.

### Activating demo mode

1.  Press the button on the Controller.
2. Tilt the Controller to the right.
3.  "Settings"
4. "Demo mode"

### Starting demo mode

1.  Press the button on the Controller.
2. Tilt the Controller to the right.
3. "Demo"



## Functions

Symbol	Function
	"End"
	"Start"
	"Pause"
	"Change current location"

## Setting the speed

- Press the button on the Controller.
- Tilt the Controller to the right.
- "Demo"
- "Speed"
- Select the desired setting.

## Ending route guidance

- Press the button on the Controller.
- Tilt the Controller to the right.
- "Stop"

## Settings for route guidance

Additional settings can be made for route guidance. Settings for route guidance, see page 31.

## Route

### Principle

During route guidance, more detailed information can be displayed about the current route and the route itself can be adapted.

### General

Depending on the equipment version, various views of the course of the route are available during route guidance:

- ▶ List of route sections, see page 20.

- ▶ Map view, see page 18.
- ▶ Route guidance information on the map, see page 25.
- ▶ Arrow view in the split screen, see page 9.
- ▶ Arrow view in the instrument cluster.
- ▶ Depending on the equipment, arrow view in the Head-Up Display.

## Route criteria

### General

You can influence the calculated route by selecting various criteria. The suggested route can differ from your personal experience.

### Default settings for route criteria

The route criteria can be set individually. The settings are saved as default and are automatically used for new route guidance procedures.

Default settings for route, see page 31.

## Route preview

### Principle

When route guidance is active, a list of the route sections can be displayed.

### General


The following information is displayed:

- ▶ Display of route guidance information, such as turn-off prompts or lane information.
- ▶ Traffic incidents and traffic flow.
- ▶ Points of Interest along the route. Points of Interest can be selected and added directly to the route guidance.
- ▶ Possible stopping places along the route, for example refuelling recommendations.

## Displays

- Press the button on the Controller.



2. Tilt the Controller to the right.
3.  "Journey list"

## Route magnet

### Principle




If route guidance is active, the route displayed on the map can be manually adjusted. For this purpose, use a marking point on the route, the 'route magnet', to drag the route in the desired direction.

### General


The route magnet can alternatively be operated using the touchscreen.

When route guidance is active, the route magnet can also be called up via the information window, see page 19, on the map.

### Calling up the route magnet

1.  Press the button on the Controller.
2. Tilt the Controller to the right.
3.  "Journey list"
4. Tilt the Controller to the right.
5. "Edit route"
6.  "Route magnet"

### Positioning the route magnet

1.  Press the button on the Controller.
2. Press the Controller.
3. "Interactive map"
4. Use the cross-hairs to select the route section for which the route magnet is to be set.
  - ▷ To change the scale: turn the Controller.
  - ▷ To move the map: tilt the Controller in the corresponding direction.
  - ▷ To move the map diagonally: tilt the Controller in the corresponding direction and turn the Controller.

5. Press the Controller.
6. "Add route magnet"

### Changing the route magnet

1. If necessary, tilt the Controller to select the route section for which the route magnet is to be changed.
2. Press the Controller.
3. Select the desired setting:
  - ▷ "Modify route magnet": to change the amended route again.
  - ▷ "Remove route magnet": restore the original route.

## Alternative routes



### Principle

When route guidance is active, alternative routes are suggested if possible.

### General

The alternative routes can be displayed on the map and changed via an information window for route guidance, see page 19. The information window is displayed automatically when route guidance is started.

### Displaying alternative routes

1.  Press the button on the Controller.
2. Tilt the Controller to the right.
3.  "Journey list"
4. Tilt the Controller to the right.
5. "Edit route"
6. "Alternative route"

### Display

An overview of the current route and the proposed alternative routes is shown. The routes are shown in colour on the map.

The following details are displayed:

- ▷ Arrival time and, if applicable, delay due to current traffic conditions.
- ▷ Route length.
- ▷  $\emptyset$  The symbol indicates how high the fuel consumption on the route is. The more leaves displayed, the more optimised the route is for consumption.
- ▷ Costs for tolls, for example, that will be encountered on the route (if applicable).

### Online alternative routes

Online alternative routes are transmitted to the vehicle online. As soon as online alternative routes are available, they are automatically shown on the Control Display and can be added to the route guidance.

Information about traffic obstructions and traffic forecasts can be taken into account here.

If Dynamic Route Guidance is activated as well as online alternative routes, available online alternative routes are automatically adopted into the route guidance.

Activating/deactivating online alternative routes, see page 30.

### Scheduling in stopping places along the route

#### Principle




For active route guidance, a Point of Interest search can be used to schedule in stopping places along the route, for example for refuelling or to take a break.

#### General

Even with the most up-to-date navigation data, information on individual service stations may have changed, for example service stations may not be in operation.

Refuelling recommendations are shown in the route list, see page 20.

### Calling up



1.  Press the button on the Controller.
2. Tilt the Controller to the right.
3.  "Journey list"
4. Tilt the Controller to the right.
5.  "Places to stop"
6. Search for the desired Point of Interest category, for example filling stations.
7. "Filter": adapt the search criteria if applicable.
8. Select a Point of Interest.  
The details are displayed.
9. Select an address.
10. "Start route guidance"

### Reduced overview of route preview

#### Principle

Only the traffic flow is shown in the route preview view.

#### Displaying reduced overview

1.  Press the button on the Controller.
2. Tilt the Controller to the right.
3.  "Journey list"
4. Tilt the Controller to the right.
5. "Reduced route summary"

### Learning navigation




If the driver deviates from the proposed route several times in an identical manner, this deviation will be taken into account in future route planning. Destinations that have been entered in the route guidance several times are also taken into account in future route planning and are suggested automatically when applicable. Activating/deactivating learning navigation, see page 30.




## Spoken instructions

### Switching on/off


The setting is saved for the currently used driver profile.

1.  Press the button on the Controller.
2. Tilt the Controller to the right.
3.   "Spoken instructions"

### Repeating

1.  Press the button on the Controller.
2. Press the Controller.
3. "Repeat spoken instruction"

Using the button:

1.  Press the button twice.

### Volume control

Turn the volume knob during the spoken instruction until the desired volume is obtained.

### Saving to Favourites buttons

The enable/disable spoken instructions function can be saved to a Favourites button for quick access.

## Theme maps





### Principle

The map view is optimised for a particular view, for example to display the current parking space situation.

### General

Depending on the setting, the theme maps are displayed automatically. Setting the map, see page 30.

## Selecting a theme map








1.  Press the button on the Controller.
2. Tilt the Controller to the right.
3.  "Theme map"
4. Select the desired setting:
  - ▶  "Parking map": display parking map.
  - ▶  "Weather map": display map with weather symbols.

## Parking map

### Principle

The parking map makes it easier to find available parking spaces in towns/cities.

### Functions in the parking map

1.  Press the button on the Controller.
2. Tilt the Controller to the right.
3.  "Theme map"
4.  "Parking map"
5. Tilt the Controller to the right.
6. Select the desired setting:
  - ▶  "Parking Space Assistant": call up the parking space assistant.
  - ▶  "Recently vacated spaces": display symbols for BMW vehicles that are just leaving an on-street parking space. The symbol border indicates the likelihood of being able to park. If the symbol border is still shown as completely blue, this indicates the best chances of parking.
  - ▶  "Points of interest": display symbols for Points of Interest such as parking garages or park-and-ride car parks on the map.
  - ▶  "On-Street Parking": display coloured lines to indicate the likelihood of finding available on-street parking spaces. The more visible the lines, the greater the probability of finding a parking space.



## Parking space assistant

### Principle





The parking space assistant can be used to start route guidance to the roads near the destination with the best chances of parking or to a nearby car park.

### Calling up

1.  Press the button on the Controller.
2. Tilt the Controller to the right.
3.  "Theme map"
4.  "Parking map"
5. Tilt the Controller to the right.
6.  "Parking Space Assistant"



A message showing the suggestions is displayed.

### Settings

1.  Press the button on the Controller.
2. Tilt the Controller to the right.
3.  "Theme map"
4.  "Parking map"
5. Tilt the Controller to the right.
6.  "Settings"
7. Select the desired setting:
  - ▷ "Points of interest": select Point of Interest categories for the parking map.
  - ▷ "On-Street Parking": select which type of on-street parking spaces should be shown, for example parking spaces that are free of charge.
  - ▷ "Availability": the list of towns/cities for which parking information is available can be displayed.
  - ▷ "Park Assist": activate the automatic parking space assistant. Parking suggestions are displayed automatically.

## Setting up the map

### Setup

1.  Press the button on the Controller.
2. Tilt the Controller to the right.
3.  "Set up map"
4. Select the desired setting:
  - ▷ "Map view": selecting the map view.
    - ▷ "In direction of travel"
    - ▷ "North-oriented"
    - ▷ "Perspective"
  - ▷ "Zoom": select the scale.
    - ▷ "Auto zoom": if route guidance is active, the map is automatically enlarged when approaching a manoeuvre.
    - ▷ "Manual zoom": to manually enlarge or reduce scale of the map.
    - ▷ "Route overview": to display the route between the location and destination.
  - ▷ "Points of interest": symbols for Points of Interest are shown.
  - ▷ "Traffic flow": lines are displayed for the traffic flow.  
Information on traffic flow in the map view, see page 28.
  - ▷ "Traffic events": symbols for traffic incidents are displayed.
  - ▷ "Route guidance info": when route guidance is active, route guidance information is displayed along the route.
  - ▷ "Favourite destinations": symbols for saved destinations are displayed.
  - ▷ "Traffic lights": symbols for traffic lights are displayed.
  - ▷ "3D buildings": depending on availability and resolution, buildings are shown in 3D for certain scales.
  - ▷ "Satellite images": depending on availability and resolution, satellite images are

shown as the background in several scales.

- ▶ "Further settings": make additional settings.

## Route guidance information

### Principle

When route guidance is active, route guidance information can be displayed in the map view at the corresponding manoeuvring points on the current route.



### General

On multi-lane roads, lane information shows the recommended lanes if necessary.

The current vehicle position can also be shown in the lane information.

Route guidance information can also be displayed using arrow view in split screen, see page 9. If the arrow view is active in the split screen, no lane information will be shown.

### Displaying route guidance information

1.  Press the button on the Controller.
2. Tilt the Controller to the right.
3.  "Set up map"
4. "Route guidance info"

### Display



## Functions in the map view


### General

A variety of information can be called up and settings made for any point on the map.


The map can alternatively be operated using the touchscreen.

### Interactive map

#### Operating the interactive map

1.  Press the button on the Controller.
2. Press the Controller.
3. "Interactive map"
4. Use the cross-hairs to select the desired point on the map.
  - ▶ To change the scale: turn the Controller.
  - ▶ To move the map: tilt the Controller in the corresponding direction.
  - ▶ To move the map diagonally: tilt the Controller in the corresponding direction and turn the Controller.
5. Press the Controller.
6. Select the desired setting.

#### Leaving the interactive map

1.  Press the button on the Controller.
2. Press the Controller.
3. "Leave interactive map"

### Functions

Various functions are available, depending on the selected point on the map:

- ▶ "Repeat spoken instruction"
  - With active route guidance.
- ▶ "Show details": any details on the destination can be shown.

- ▷ "Show list": if the cross-hairs remain over a position with several Points of Interest, these are shown as a list.
- ▷ "Save map as favourites": save position in the cross-hairs as favourite.
- ▷ "Show destination": the map section around the destination is displayed.
- ▷ "Change map view": to switch map view.
- ▷ "Parking at destination": search for parking spaces at the destination.
- ▷ "Block route": set a detour for a route section.
- ▷ "Cancel blocking": cancel a detour.
- ▷ "Start route guidance": start route guidance to the selected point on the map.
- ▷ "Add as intermediate destination": add a stopover while route guidance is active.
- ▷ "Delete intermediate dest.": to delete the stopover.
- ▷ With touchscreen:
  - "Back to current location": return to current vehicle position.
  - "Send current location": send current vehicle position.

## Avoid areas


### Principle

Areas that should be bypassed, can be defined as areas to avoid.

### General


Saved avoid areas, see page 31, can be activated and deactivated.

### Defining an avoid area

1. Select the area to be avoided on the map.
2.  Press the button on the Controller.
3. Press the Controller.
4. "Set new area to avoid"

5. Follow the instructions on the Control Display.
6. Press the Controller to add the avoid area.

### Editing an avoid area

1. Select the desired avoid area on the map.
2.  Press the button on the Controller.
3. Press the Controller.
4. Select the desired setting:
  - ▷ "Edit": change the selected avoid area.
  - ▷ "Rename area to avoid": rename the selected avoid area.
  - ▷ "Delete": delete the selected avoid area.

## Traffic information

### General

Traffic information from radio stations which broadcast the Traffic Message Channel TMC, a traffic warning service, is shown in the map view and is taken into account when calculating the route. Information on traffic obstructions and hazards is continuously updated.

Traffic information is displayed on the map by symbols.

For particular dangers, for example objects on the road, a message is displayed.

Some hazard messages are also displayed as a Check Control message in the instrument cluster.





## Display in the map view

Symbol	Function
	Yellow symbol: The expected delay is less than 20 minutes.
	Red symbol: The expected delay is more than 20 minutes or the route is closed or there is a hazard message for the route.
	Grey symbol: The expected delay is more than 5 minutes.
	A suitable diversion is available with the traffic information.

## Real Time Traffic Information RTTI

In some countries, RTTI is transmitted via additional bookable services. RTTI is then used and displayed instead of the traffic information from the radio stations.

RTTI enables traffic delays to be located more accurately and in greater detail. In addition, the traffic situation off the motorways, for example, on side streets and urban roads, is extensively recorded and shown. Diversion recommendations can be calculated more precisely on the basis of this information. This lowers the risk of coming across another traffic obstruction on diversions. Several recommended diversions or further information may be provided.

For journeys in countries where RTTI is not available, the system continues to use traffic information from radio stations, if possible.

The function bar of the map view, see page 18, shows whether traffic information from the Traffic Message Channel TMC or RTTI is being used.

## Activating/deactivating

The traffic information services can be activated or deactivated in the settings, see page 30.

## Displaying the list of traffic information

- Press the button on the Controller.
- Tilt the Controller to the right.
- "Traffic information"

When route guidance is active, the traffic information affecting the calculated route is shown first, with red symbols. Then the traffic information not affecting the route is shown with grey symbols. The various items of traffic information are sorted by distance from the vehicle's current position.

- Select the item of traffic information.
  - "Next traffic events": browse to the next traffic information.
  - "Previous traffic events": browse to the previous traffic information.

## Displaying the recommended diversion

- Press the button on the Controller.
- Tilt the Controller to the right.
- "Traffic information"
- "Diversion": a recommended diversion is displayed.

The following functions are available:


- "Current route": to keep the current route.
- "Diversion": to accept the diversion.

## Traffic information in the map

### Illustrating traffic information in the map view

- Press the button on the Controller.



2. Tilt the Controller to the right.
3.  "Set up map"
  - ▷ "Traffic events": symbols for traffic incidents are displayed.
  - ▷ "Traffic flow": lines are displayed for the traffic flow.

### Symbols in the map view

Symbols for traffic incidents are displayed depending on the map scale and location of the traffic obstruction.

### Information on traffic flow in the map view

The length and effect of a traffic obstruction are indicated on the map by coloured lines, depending on the scale.

- ▷ Black: closure.
- ▷ Red: traffic jam.
- ▷ Orange: queuing traffic.
- ▷ Yellow: heavy traffic.
- ▷ Green: free-flowing traffic.
- ▷ Grey: general traffic information, for example road works.



The information displayed depends on the specific traffic information service.

## Dynamic Route Guidance

### Principle

With Dynamic Route Guidance, the traffic information is taken into account in the calculation of the route.

### Setting dynamic route guidance

1.  Press the button on the Controller.
2. Tilt the Controller to the right.
3.  "Settings"
4. "Route settings"

5. "Dynamic route guidance"
6. Select the desired setting:
  - ▷ "Automatic": the route is automatically changed if a traffic obstruction is encountered.
  - ▷ "With confirmation": a message is displayed first asking whether the route should go round the traffic obstruction.
  - ▷ "Off": do not display any dynamic route guidance messages.

## Frequently Asked Questions

Why can the current position not be displayed?

- ▷ The position is in an area not covered by the data, is in a poor reception area or the system is currently calculating the position.

Reception will normally be possible in the open.

Why is a destination with no street details not transferred to the route guidance system?

- ▷ No city centre can be determined for the town/city entered.

Enter any street in the town/city selected and start route guidance.

Why is a destination not transferred to the route guidance system?

- ▷ The data for the destination is not available in the navigation data. Choose a destination as close as possible to the original one.

Why can letters not be selected for destination input?

- ▷ The data for the destination is not available in the navigation data. Choose a destination as close as possible to the original one.

Why are spoken instructions no longer given immediately before junctions during route guidance?

Map

NAVIGATION 

- ▶ You have left the recommended route and the system requires a few seconds to calculate a new proposed route.

Entwurf / Draft vom 13.02.2018  
Erstellt von A. Schubert, BA-76  
für T. Tatschke, EE-620.

Entwurf / Draft vom 13.02.2018  
Erstellt von A. Schubert, BA-76  
für T. Tatschke, EE-620.

# Settings

## Vehicle equipment

This chapter describes all standard, country-specific and special equipment available for the model series. It may therefore describe equipment and functions which are not installed in your vehicle, for example on account of the optional equipment selected or the country specification. This also applies to safety-relevant functions and systems. Please comply with the relevant laws and regulations when using the corresponding functions and systems.

### General

The navigation settings can be configured individually. The settings are saved for the currently used driver profile.

## Services


### Principle

The vehicle offers various functions which require data to be transferred to BMW or a service provider. The transfer of data can be deactivated for some functions.

### General

If data transfer has been deactivated for a service, then that service cannot be used. Only perform settings with the vehicle at a standstill.

### Configuring services

1.  Press the button on the Controller.
2. Tilt the Controller to the right.
3. "Settings"

4. "Configure services"
5. Select the desired setting.

## Map

### Principle

The map view can be individually adjusted, for example the map colour and map mode can be set. In addition, it is possible to define which Points of Interests are displayed on the map.

### Setting the map

1.  Press the button on the Controller.
2. Tilt the Controller to the right.
3.  "Settings"
4. "Map settings"
5. Select the desired setting:
  - ▷ "Day/Night": set the map mode depending on the light conditions, for example night mode or automatic map mode.
  - ▷ "Map style": set the map style.
  - ▷ "Automatic display of theme map": display theme maps automatically.
  - ▷ "Simplified mode": the map view switches to sedated mode after a certain amount of time. The displays in the map view are reduced to the minimum necessary.
  - ▷ "Points of interest on the map": set which Point of Interest categories are displayed on the map.















## Route










### Principle

The route criteria can be set individually. The settings are saved as default and are automatically used for new route guidance procedures.

### Setting the route criteria

1.  Press the button on the Controller.
2. Tilt the Controller to the right.
3.  "Settings"
4. "Route settings"
5. Select the desired setting:
6.  "Route guidance"
  -  "Fast": time-optimised route resulting from a combination of a route as short as feasible and fast roads.
  -  "Short": distance-optimised route resulting from a combination of a route as short as feasible and fast roads.
  -  "Efficient": consumption-optimised route resulting from a combination of a route requiring the lowest possible consumption and fast roads.
  -  "Dynamic route guidance": with Dynamic Route Guidance, see page 28, the traffic information is taken into account in the calculation of the route.
  -  "Motorways": motorways are used/avoided as far as possible.
  -  "Toll roads": toll roads are used/avoided as far as possible.
  -  "Ferries/trains": ferries and car trains are used/avoided as far as possible.
  -  "Tax vignette": routes with long-term tolls are avoided as far as possible. The setting can be restricted by selecting the countries.
  -  "Area to avoid": activate/deactivate avoid areas, see page 26.

## Setting route guidance

1.  Press the button on the Controller.
2. Tilt the Controller to the right.
3.  "Settings"
4. "Route guidance settings"
5. Select the desired setting:
  -  "Automatic length of route guidance": automatic route guidance features.
  -  "Length of navigation prompts"
    -  "Detailed"
    -  "Reduced"
    -  "Gong"
  -  "3D junction view": selected sections of route, for example motorway intersections, are shown in perspective.
  -  "Passive manoeuvres": display additional information, such as tunnels.

