Owner's Manual for Onboard Computer

Contents A - Z

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The onboard computer offers you an array of functions designed to foster safety while simultaneously enhancing your driving pleasure.

The GPS navigation system frees you from the burden of reading maps or looking for road signs. It will guide you to any destination recorded on your map CD/DVD.

The radio, with its superb reception quality, joins the cassette and CD players in providing optimal sound to satisfy every taste while serving up entertainment to make every trip seem short.

The computer calculates vital operating data – including average fuel consumption, cruising range on the remaining fuel and the estimated time of arrival. It provides additional safety before driving – for example, with entry of a code number for the engine immobilizer – and during driving – for example, with an acoustic warning tone so that you do not drive faster than you intend to.

We wish you an enjoyable driving experience.

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Notes on the Owner's Manual

To start using your onboard computer right away, consult the overview of controls and displays and the concise operating instructions in the first chapter.

In addition, you will find

- all the essentials you will need to adjust the screen and care for your computer in the "Overview" chapter
- all information on using the GPS navigation system in the "Navigation" chapter
- all the essentials on radio use and broadcast reception, combined with instructions on how to use the cassette and compact disc* (CD) players in the "Entertainment" chapter. This chapter also contains information on the "Digital Sound Processing* (DSP)" sound system
- information on how you can use the computer to calculate various data related to vehicle operation in the "Computer" chapter.
  This chapter also contains information on the engine immobilizer code and the settings for the auxiliary heating*/-ventilation.

The fastest way to find information on any specific topic is by turning to the index.

Because the control options for the mobile phone also include provisions for using it without the onboard computer, the operating instructions have been compiled in a separate manual.◀

A separate manual has also been provided for the "Emergency" functions.◀

A list explaining all of the abbreviations that appear on the computer screen can be found in the glossary at the end of the manual.

Should the day arrive when you wish to sell your BMW, please remember to hand this Owner's Manual to the next owner – it is an important part of the vehicle.

Information on care

For complete information on the care of cassettes, CDs, DVDs and the device, please refer to the caring for your vehicle brochure.

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Symbols used

Indicates precautions that must be followed precisely in order to avoid the possibility of personal injury and serious damage to the vehicle or the onboard computer.◀

Contains information that will assist you in gaining the optimum benefit from your onboard computer and enable you to care more effectively for your onboard computer.◀

◀ Marks the end of a specific item of information.

* Indicates special equipment, country-specific equipment and optional extras.

If you have additional questions, please consult your BMW center for information and advice.

Editorial notice

To ensure that our accessories and in-vehicle equipment continue to combine advanced technology with unexcelled levels of quality, we at BMW pursue a policy of continuous, ongoing development embracing every aspect of design. It is therefore possible that some of your own vehicle's equipment and features may vary from those described in this manual. We are also unable to guarantee that all of the descriptions and illustrations contained in the manual will be completely accurate in all respects. We must therefore request your understanding for the fact that we are unable to recognize legal claims based on the data, descriptions and illustrations in this manual and your own vehicle's equipment.

Software release version

When you select the "Set" menu the version number of your onboard computer appears at the upper right of the screen.

"SW 4-1/XX" means:

▷ 4: Generation 4
▷ 1: Top Navigation
▷ XX: Current version.

The information in this Owner's Manual is based on the following software version: 1.0.

Please contact your BMW center if you have any questions regarding the software version.◀

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Overview

Navigation

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The onboard computer at a glance

Displays and controls

1 Display screen
▷ Function displays

2 Indicator lamps for phone* mode
▷ Yellow:
Call is being routed through alternate network
▷ Green:
Call is connected
▷ Red:
Phone not available
▷ Flashes:
Phone is not registered with a service provider

Please consult the separate manual for instructions on operating the telephone.◀

3 Receiver symbol
▷ Dial telephone number
▷ End call

4 Clock symbol
▷ Display the time when the ignition is off (ignition key in position 0 or removed from the ignition lock)

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▷ Select top menu 16

6 Using onboard computer 16
▷ Turn: highlight function or adjust setting
▷ Press: confirm selection or save setting

7 Indicator lamp for operation of the auxiliary heating*/ventilation
▷ Red:
Timer activated
▷ Flashes:
Direct operation activated

8 Switch display to
▷ Radio functions
▷ Onboard computer functions

Radio display and control elements, refer to page 10.◀

You can retrofit your onboard monitor with an AUX socket for connecting a third unit, such as a CD or MP3 player.

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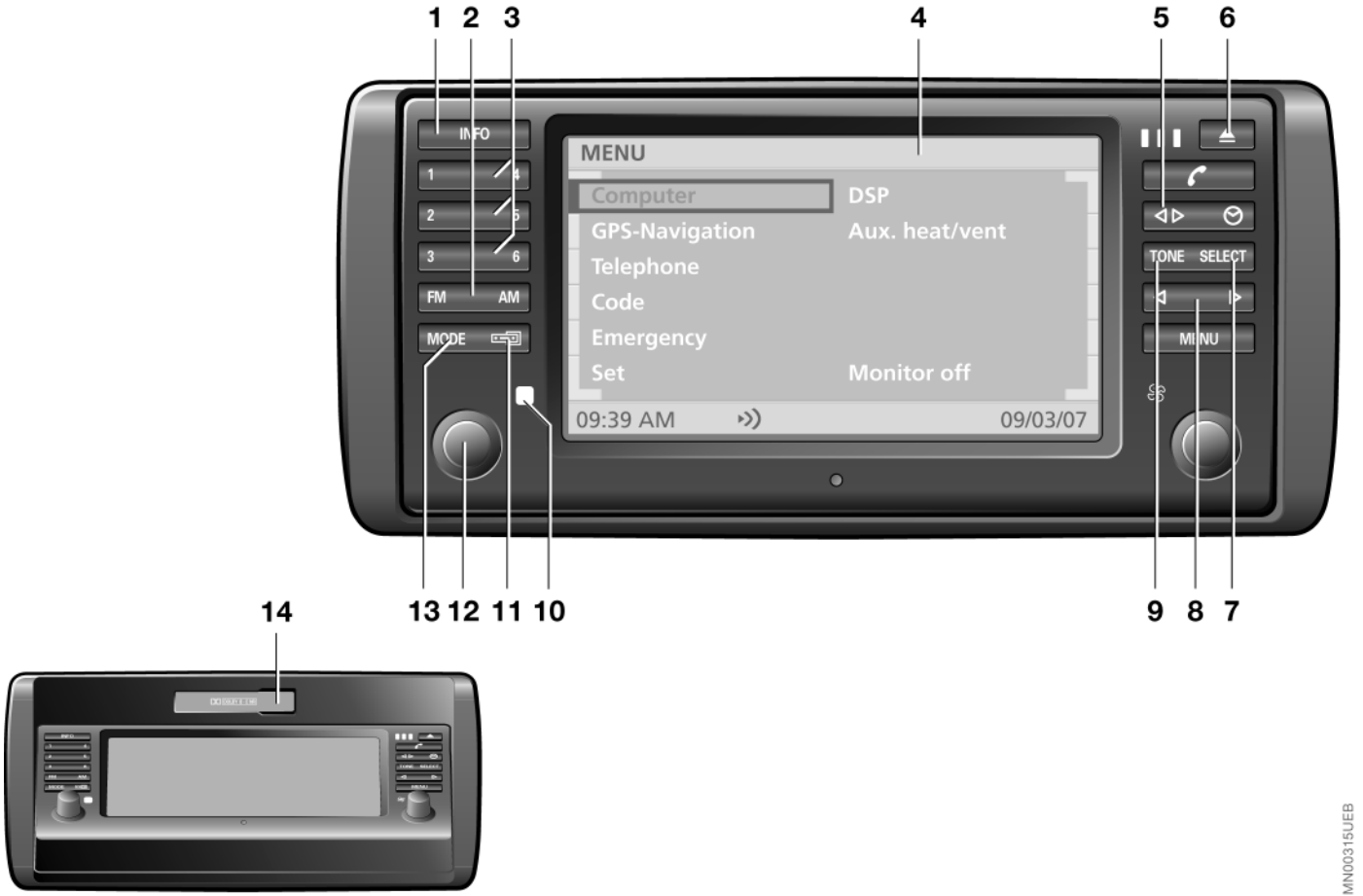
The radio controls at a glance



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The radio controls at a glance

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- ▷ Press: turn radio on/off
- ▷ Turn: adjust volume for radio and information on navigation

13 MODE
Switching sound source to
- ▷ Radio
- ▷ Cassette
- ▷ CD changer*

14 Cassette slot

If your vehicle is equipped with a multifunction steering wheel*, you can use its integrated controls to operate the functions of the radio, the CD changer* and the telephone*, refer to the vehicle Owner's Manual for additional information.◀

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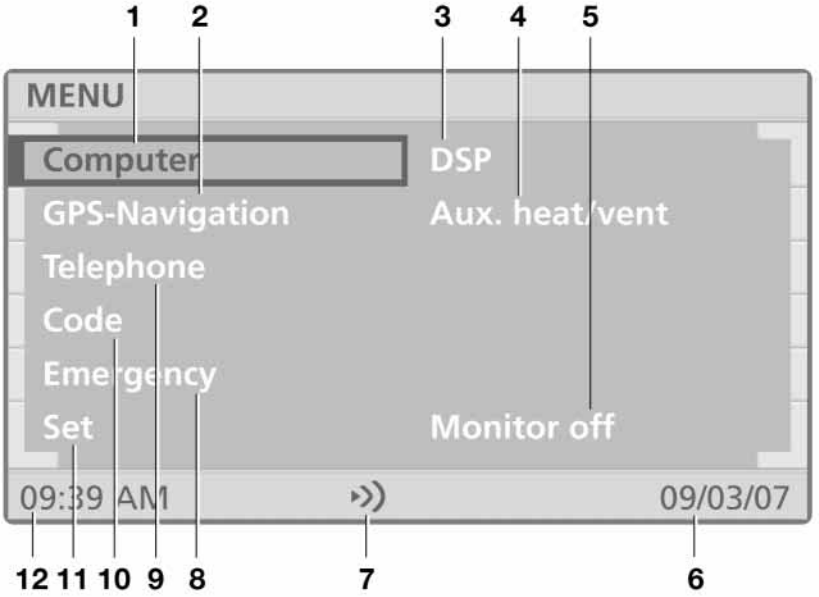

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Please consult the separate phone manual for information on operation and use.◀

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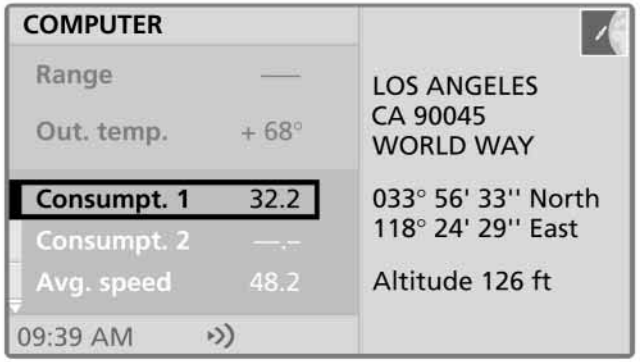

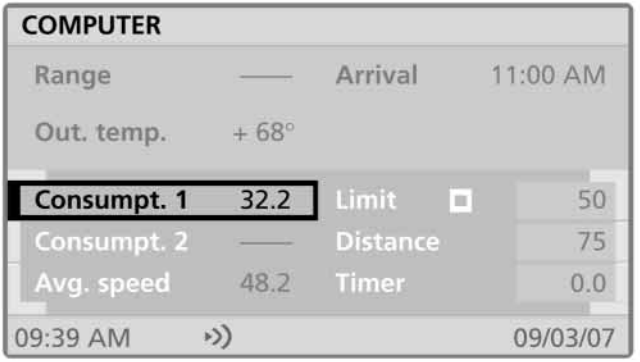

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Split-screen display mode (Split)

Left side of screen

- ▷ Information on the audio source (such as radio stations) 52
- ▷ Information from computer (such as current average fuel consumption) 65
- ▷ Route information (such as map section for scale) 35

Right side of screen

- ▷ Information on current location (longitude, latitude and altitude) or
- ▷ Information on the destination guidance (such as turning direction) 33.

When calculating the altitude, which only takes place during GPS reception, deviations from the actual altitude of the current location can result.◀

Full screen

- ▷ Information on communications (such as SMS bulletins)
- ▷ Changes to the code, to the settings, to the DSP* and to the auxiliary heating*/ventilation.

Full-screen display mode (Full)

All available information and selection data are displayed across the entire screen, regardless of the currently selected function.

If you prefer this display mode, please select the "Set" function in the menu (MENU) to change the default setting "Split"; refer to page 19.

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MENU selection

The onboard computer integrates an extensive range of functions. Select the top menu (MENU) for a list of the various functions, refer to page 12.

Select "MENU"

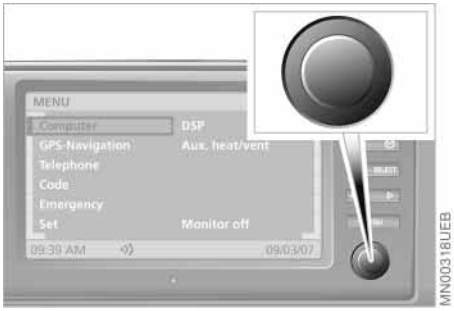
MENU

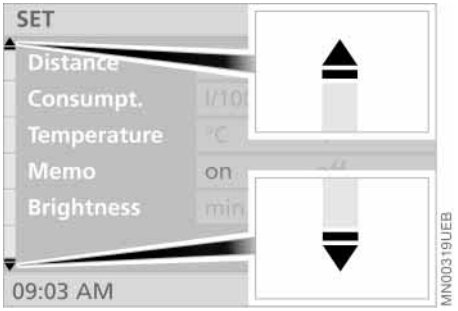
When you select a function from the MENU, a list of selection options or of submenus will appear in the display:

- ▷ For information on selecting functions, refer to "Selecting function"
- ▷ For information on how to request a display of additional functions, refer to the section on "Additional functions"
- ▷ For information on settings for menu selection, refer to "Resetting history" on page 17
- ▷ To return to the higher menu level, refer to the "Selecting return symbol" section on page 17
- ▷ For a display of additional entries in lists, refer to "Scrolling forward and back" on page 17.

To return to the main MENU from any other menu/any other function:

MENU





Selecting functions

To select a function, use the right-hand rotary button to complete the two following steps:

1. Mark the function

Turn the right-hand rotary button until the desired function is highlighted

2. Confirm your selection

Press the right-hand rotary button.

On the following pages these two steps are summarized as:

Select "Function".

Additional functions

Additional functions can be displayed using the ▼ symbol.

Turn the right-hand rotary button toward the corresponding symbol. Now you can proceed to mark and select one of the functions in the display, refer to "Selecting functions".

▷ Depending on the range of available functions, it may take a few seconds until all additional functions appear on the screen.◀

▷ You can only select those menu entries or functions that are displayed on the screen in white letters.◀

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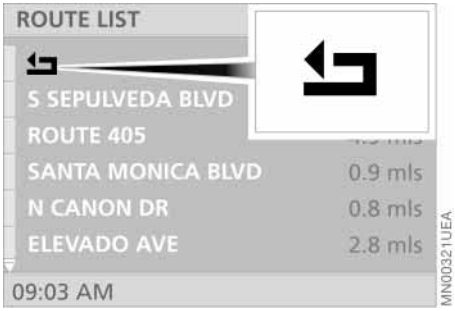

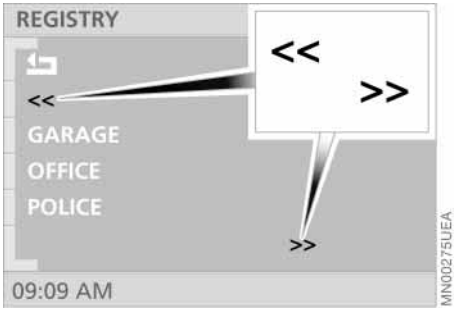

Resetting history

This function makes it easier for you to access previously viewed information or an edited function after switching off the onboard computer or changing the menu.

If you switch on the onboard computer again or select the corresponding function again under "MENU", you will automatically enter the menu level previously used.

To interrupt this function to return to the initial menu level:

MENU

Briefly press twice in a row.

Selecting return symbol

To return to a previous menu or function, proceed as follows:

Select ⮌.

As described in the section on "Selecting functions", it is also possible to use the right-hand rotary button to highlight the "Return" symbol and then select it by pressing.

Scrolling forward and back

When one of the above symbols appears on the screen, this indicates that further entries are available for viewing in the current list.

As described in the "Selecting functions" section, you can also highlight this symbol with the right-hand rotary button before proceeding to confirm your entry by presssing the button.

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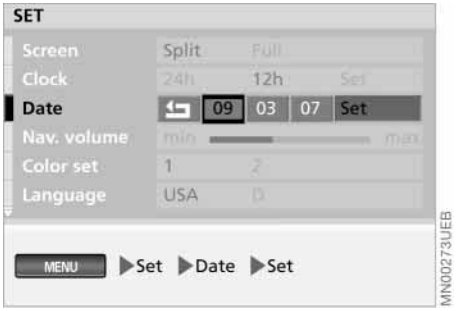
Explanation of function selection

To help you get oriented as quickly as possible, the individual selection procedures are provided immediately below each menu option.

Individual control and entry processes may include the following elements:

- ▷ Buttons that you press
- ▷ Functions that you select using the right-hand rotary button. "Selecting functions", refer to page 16
- ▷ The right-hand rotary button appears with arrows for control procedures in which it is pressed or turned only.

Individual steps are separated by the ▶ symbol.



An example: setting the date

Here setting the date serves as an example to illustrate the control concept:

1. Select "MENU"

2. Select "Set"
3. Select "Date"
4. Select "Set"
5. Select the year
6. Turn the right-hand rotary button to set the year
7. Press the right-hand rotary button to save
8. Set and then save the month and day with the same procedure.

   The system adopts the selected settings for the date
9. Select ⮌.

   You exit the date entry mode once you complete this final step.

You can also select the order in which the elements of the date will be displayed: you can display the days (dd) first and then the months (mm) – or you can have them displayed in the opposite order.

To exit a function or a selection mode accidentally selected, please reselect it again. Then you can select any desired function.◀

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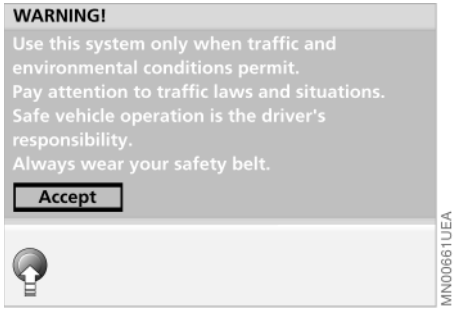


As soon as the device is put into operation, the onboard computer shows the following safety precautions:

"WARNING!

Use this system only when traffic and environmental conditions permit.
Pay attention to traffic laws and situations.
Safe vehicle operation is the driver's responsibility.
Always wear your safety belt."

To accept these safety precautions after reading:

Select "Accept".

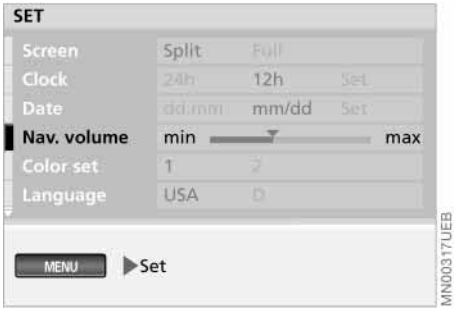
Selecting settings

The onboard computer of your vehicle has a basic setting for all displays. You can change these to suit your personal preferences as desired. Before doing so, please take note of the safety information provided on this page.

1. Select "MENU"

2. Select "Set".

   The adjustment options appear on the display screen.



You can adjust:

▷ "Screen"
   You can choose display mode (Split or Full), refer to page 15
▷ "Clock"
▷ "Date"
   You can set the time and date, and also define the display mode
▷ "Nav. volume"
   You can set the volume of the navigation system's voice messages relative to other sound sources (min to max)
▷ "Color set"
   Use this function to select color settings for the display
▷ "Language"
   This option allows you to select the language of the display texts.

For additional settings, follow the ▼ symbol.

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Your options include:

▷ "Distance" in miles or km

▷ "Consumpt." (l/100 km, mpg or km/l)

▷ "Temperature" (°C or °F)
You can specify the units for distance, fuel consumption and temperature

▷ "Memo"
You can set a signal to sound at the full hour; related symbol

▷ "Brightness"
You can set the brightness (min to max).

For information on how to enter these selection options, refer to page 18.◀

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Overview

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Only enter data when the vehicle is stationary, and always obey the traffic regulations and road signs in the event of any contradiction between the traffic situation and the instructions given by the navigation system. If you do not observe this precaution, you may be in violation of the law, and can endanger vehicle occupants and other highway users.◀

Never place any metallic objects, such as umbrellas, on the rear tray (sedan and coupe) near the GPS antenna, as such objects can interfere with the GPS reception and may prevent the GPS navigation system from operating correctly.◀

The GPS navigation system eliminates the need to consult conventional road maps as you drive. It therefore makes an important contribution to traffic safety.

GPS stands for Global Positioning System.

This integral component within your vehicle's navigation system relies on reference satellites to determine the precise position of your vehicle.

The result: the GPS navigation system automatically offers reliable guidance to your selected destination.

Map CD/DVD

Map CDs/DVDs are inserted in the navigation computer located at the left rear of the luggage compartment.

To ensure that your vehicle's navigation system has access to the latest highway network information, always load the most recent CD/DVD version of the digital road map. As is the case with conventional road maps, the map CDs/DVDs are subject to periodic updates to ensure that they reflect the latest information and surveys.

The DVD will be available at a later time and will provide additional features such as larger map scales.◀

Changing the map CD/DVD

Map CDs/DVDs contain road maps covering one or more countries or regions. When you drive your BMW, the navigation system will alert you when you are leaving the area stored on the map CD/DVD that is currently loaded. You should respond by changing the map CD/DVD in the navigation computer.

Only map CDs of version 2001-1 or higher can be used.◀

To change the map CD/DVD:

1.

   The CD/DVD is ejected from the navigation computer (press button several times if necessary)

2. Remove the CD/DVD

3. Insert the new CD/DVD

4. Allow approx. eight seconds for the new CD/DVD to start.

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Starting GPS navigation

1. Select "MENU"

2. Select "GPS-Navigation".

To exit the GPS navigation system, press the button again:

Selection options

When entering your destination, you can select from among the following options:

- ▷ Destination entry and selection
- ▷ To select destination from map, refer to page 27
- ▷ To select the destination via information on the destination, current location or country, refer to page 29
- ▷ To select from among recent destinations, refer to page 30
- ▷ To return to initial location, refer to page 31
- ▷ To select destination from address book, refer to page 40.

After selecting your destination, you can proceed to activate the guidance function, refer to page 33.

Destination entry

The example shows how to use the GPS navigation system to find the following destination:

455 N Rexford Drive, Beverly Hills

Only enter data when the vehicle is stationary, and always obey the traffic regulations and road signs in the event of any contradiction between the traffic situation and the instructions given by the navigation system. If you do not observe this precaution, you may be in violation of the law, and can endanger vehicle occupants and other highway users.◀

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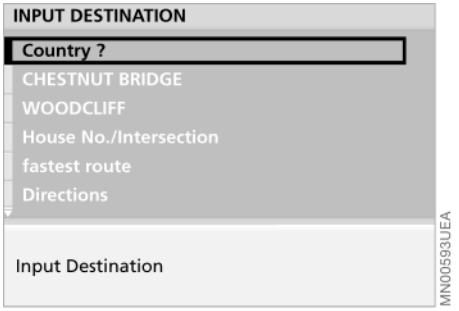
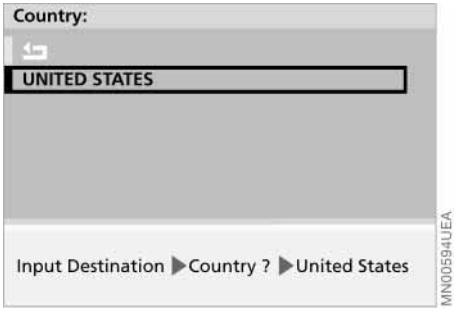
Destination entry

Note the following special features:

- ▷ Use ◀▬ to correct your last entry. Maintain pressure on the right-hand rotary button to delete the entire entry line
- ▷ The system relies on a wordmatch principle to make it easier for you to enter names. It supports various spellings as well as automatic name completion, refer to page 42
- ▷ The selection of a country, a town or city or a street can be canceled at any time by selecting ⮌
- ▷ If entries in a selection menu (sub menu) are not made within eight seconds, you will need to repeat the procedure.

Manual destination entry





Enter destination country

If the name of a country appears on the screen in white letters, data for more than one country may be stored on the map CD/DVD.

To select a destination country, e.g. when traveling to a foreign country:

1. Turn the right-hand rotary button until the current country name is highlighted.

   "Country ?" appears in the display

2. Press the right-hand rotary button on the right.

   A list of the available countries is displayed

3. Select "United States".

   The system adopts your selection as the destination entry.

▷ If you wish to retain your current entries without change, you can skip the entry of a country or city of destination.◀

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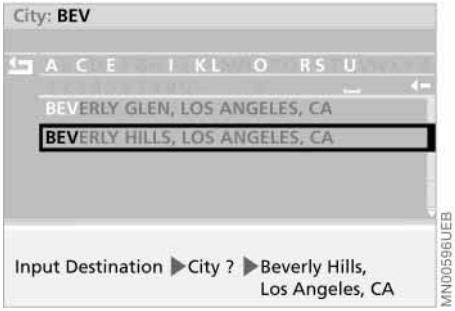
Manual destination entry



Entering destination

"City ?" is highlighted.

1. Press the right-hand rotary button to start your entry

2. Select "B".

   The selected letter is highlighted in the display

3. Use the same procedure to select remaining letters in "Beverly Hills" to ensure positive recognition of your destination, which the system will then signal by highlighting the entry in the list

4. Select "Beverly Hills, Los Angeles, CA".

   The computer registers your city of destination.

   If the city name or its spelling is not exactly known, then the city concerned can also be selected from the list after entering a first letter. Some map CDs/DVDs also list additional cities or parts of a city with the city name you have selected.◀

5. Here you can select "Beverly Hills, CA" from the list (CA = California).

   The computer registers your city of destination.

Entering street

"Street ?" is highlighted.

1. Press the right-hand rotary button to start your entry

2. Select "R".

   The selected letter is highlighted in the display

3. Continue to select letters from "Rexford Drive" until the system responds with positive recognition of your destination by highlighting the entry in the list

4. Select "Rexford Dr N".

   The system adopts the street name.

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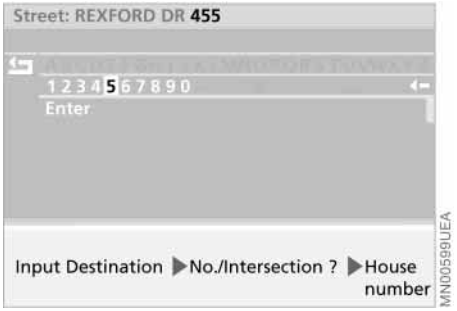
Manual destination entry



If the street name or its spelling is not exactly known, then the street concerned can also be selected from the list after entering a first letter.◀

5. In our example you would now select "Rexford Dr N" from the list.

   The system adopts the street name.

If you do not select a street, the guidance system will only take you as far as the town or city limits.◀

Entering house number or intersection

After entering the street, you can select a house number or intersection, such as "455".

1. Select "No./Intersection ?"

2. Select "House number"

3. Select "4"

4. Select the remaining digits in the number

5. Select "Enter".

   The system adopts the house number.

Availability of the house number selection function for specific streets varies from one map CD/DVD to the next. If no house numbers are stored for a particular street on your current CD/DVD, no display for numerical entry will appear on the screen. In this case an intersection can be selected – if present. The destination guidance then ends the next time the previously selected street is accessed.◀

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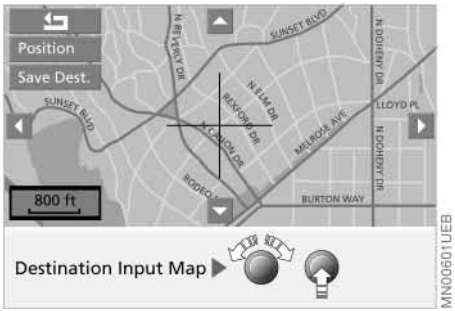
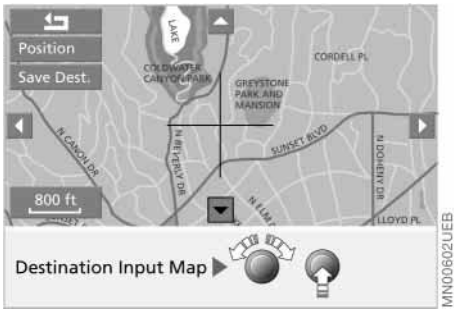
Map-supported destination selection





You know the town or city, but only the general location of the street, and not its name. The system offers you maps on which you can identify your destination with a target cursor for subsequent transfer to the guidance system.

1. To enter the destination, refer to page 25

2. Select "Map"

3. Press right-hand rotary button.

   A selection menu appears on the screen

4. Select "Dest. Input Map"

5. If necessary, change the scale:
   - ▷ Turn the right-hand rotary button, continuing until the map scale is highlighted
   - ▷ Press the right-hand rotary button to select the map scale
   - ▷ Turn the right-hand rotary button again to set the desired map scale
   - ▷ Press the right-hand rotary button to store the scale.

   The "Save Dest." function can only be selected if the map scale is less than 1 mile or 2 km.◀

   After the resolution scale is changed, a few seconds may pass until the map is displayed.◀

Localize the destination with the target cursor:

- ▷ Turn the right-hand rotary button to mark the desired change in direction with the cursor
- ▷ Press and hold down the right-hand rotary button until the map has been moved in the desired direction below the target cursor
- ▷ Release the right-hand rotary button to fix the change
- ▷ Select another "Cursor" as necessary
- ▷ Press and hold down the right-hand rotary button to move the map in the other direction
- ▷ Release it to fix the change.

A few seconds may pass until the new section of the map is displayed.◀

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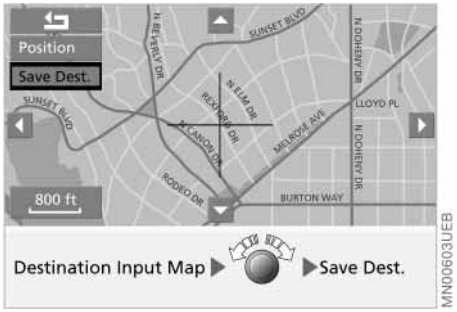
Map-supported destination selection



6. To enter in guidance system:
   Select "Save Dest.".

   You can also use the destination entry map without specifying a town or city name. To select a destination in this way, start by specifying the desired map scale.◀

If you would like information on the current position on the map, then select "Position" with the right-hand rotary button, refer to page 41.

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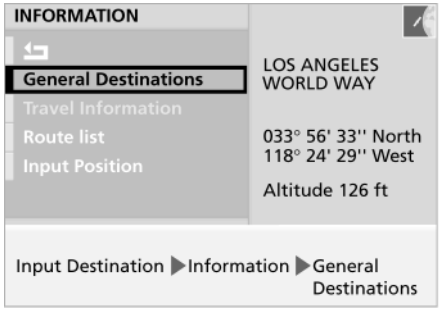
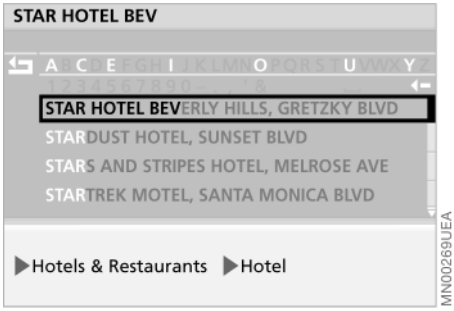
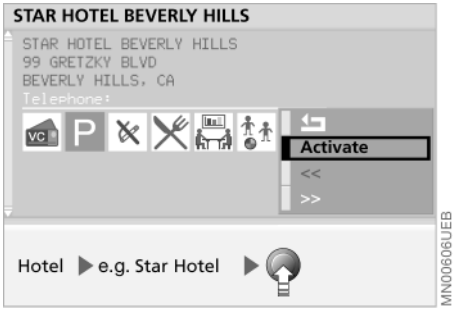
Selecting destination in information







You are searching for a particular location within a town or city, such as a hotel, a gas station, the nearest BMW center, tourist attractions, a hospital, etc., but do not know the exact address.

1. Enter the desired destination, refer to page 25
2. Select "Information"
3. Select "General Destinations"
4. Select "Info on destination".
   A list containing various types of destination appears on the screen
5. Select the desired destination type, for instance "Hotels & Restaurants"
6. Select "Hotel"
7. Select the first letter of the hotel's name, in this example "S".
   The selected letter is highlighted in the display
8. Continue to select the remaining letters in the name until the system signals positive recognition by highlighting the name in the list
9. Select the highlighted name in the list.
   Additional information appears in the form of text displays or symbols on the screen.

   The amount of available information and the number of symbols will vary according to the individual CD/DVD.◀
10. Press right-hand rotary button.
    A selection menu appears on the screen
11. Select "Activate".
    The guidance system adopts the hotel's address as your destination.

If the name of the hotel is not exactly known, then it can also be selected from the list after entering a first letter.◀

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Selecting destination in information

Selecting other interesting destinations

The "Info on location" function provides you with an overview of potential destinations in your immediate area.

For the destination types, you will be offered a selection of a maximum of ten entries sorted according to distance, wherein an arrow indicates the direction from the current position to the destination.

The "Info on country" function provides you with a selection of points of particular interest, such as tourist attractions, government buildings, important exhibits, trade shows, commercial airports and border crossings.

To learn how to adopt these kinds of locations as destinations for your guidance system, refer to page 29.

Recent destinations

Returning to a recent destination

The system automatically stores the last 20 destinations. To select one of these addresses:

1. Select "Last Destinations"

2. Select "Retrieve address".

   A list of the 20 most recent destinations appears on the screen

3. Select the desired address.

   The guidance system adopts the address as your destination.

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Recent destinations

Deleting destination addresses

You can delete any of the addresses contained in the list of your 20 most recent destinations:

1. Select "Last Destinations"

2. Select "Delete address".

   A list with your 20 most recent destinations appears on the screen

3. Select desired address.

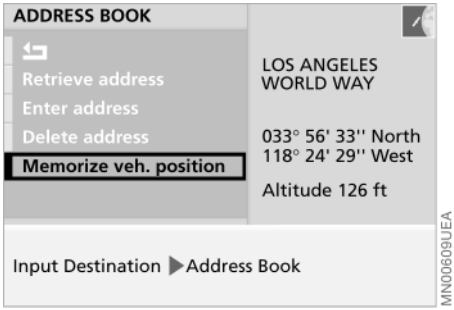
   "Delete address ?" appears on the screen

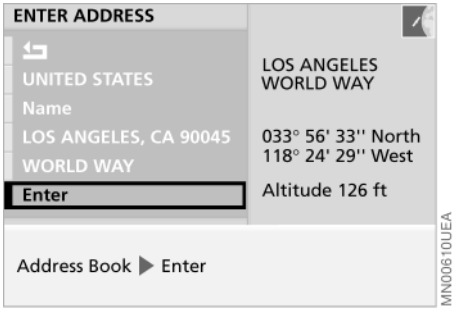
4. Select "yes".

   The address is deleted.

To delete all of the addresses, use the right-hand rotary button to highlight "Delete address" and then maintain pressure on it for at least one second.

Returning to the starting point





You can make it easier to enter the destination for your return trip by storing the address of your initial location before starting off:

1. Select "Address Book"

2. Select "Memorize veh. position".

   The address appears on the screen to allow you to add supplementary information

3. Select "Name ?" if necessary.

   You can enter a designation for the address, e.g. "Los Angeles office".

   Confirm with "Enter"

4. Select "Enter".

   The address for the location is stored in the address book.

To return to your starting point later on, all you now have to do is select the address from the address book as the destination for the guidance system, refer to page 40.

If you used the GPS navigation system to reach your current location, then it will already be registered in the "Last Destinations" list. You can transfer entries from this list directly to the guidance system, refer to page 30.◀

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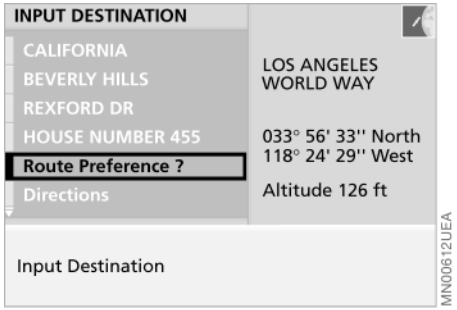

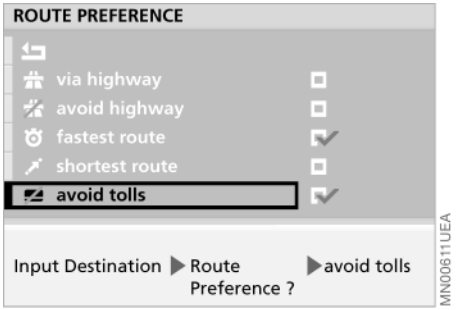

The GPS navigation system allows you to choose from among various available routes. This feature allows you to define the system's priorities in selecting from individual travel options:

▷ "via highway"
▷ "avoid highway"
▷ "fastest route"
▷ "shortest route"
▷ "avoid tolls".

The GPS navigation system relies on specific logical structures to determine suggested travel routes. These vary according to the different kinds of roads stored on the map CD/DVD. As a result, the routes recommended by the navigation system may not always be the same ones that you would choose based on personal experience.◀

You can change the selected route as often as you like, both when entering your destination and at any time while the system is guiding you to it – the system revises its recommendations accordingly:

1. Select "Route Preference ?"

2. Select the priorities for use in calculating your route.

   The corresponding ☑ symbol is highlighted

3. Select ⮌.

   Your route preference appears on the screen, and is adopted by the system for use in determining the best route.

To revise the route preference while underway with the guidance system, refer to page 36.◀

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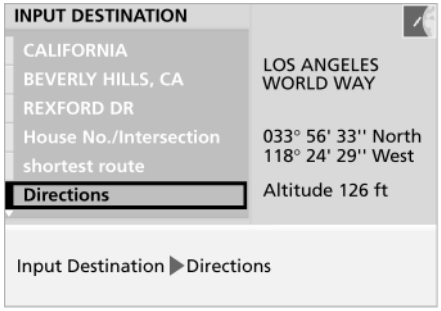

Once you have entered or selected the complete destination address, the city or town will appear on the screen, along with the street and house number; "Directions" is highlighted.

Press the right-hand rotary button to start active guidance.

When you select the split-screen option (Split), the estimated time of arrival and the distance to your destination appear in the lower right half of the screen after the destination guidance system is started, while the navigation computer calculates the best travel route.

The calculation of a new route, its display and the display of the exact value for the distance to the destination can take up to one minute.◀

Once the computer has completed its calculations a route map appears on the left side of the display screen; this is accompanied by arrows indicating both your general direction and true north.

On the right side of the split screen you will see the name of the street where you will make your next turn (in the direction indicated by the arrow) along with the distance to the intersection, your direction of travel and your current position.

In addition, you will also be provided with voice messages that can be repeated, refer to page 37.

In the lower right half of the screen the estimated time of arrival and the distance to the destination will also continue to be displayed (Distance, refer to page 67).

The system continues to provide active guidance to your destination, even if you then select one of the onboard computer's other functions, such as the radio or the computer. Voice messages combine with the display on the screen to inform you of upcoming turns well before you arrive at intersections.◀

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Viewing the route map

Provided that you have selected the undivided display mode (Full), you can display a map showing the planned route while the system is guiding you to your destination.

1. Press the right-hand rotary button.

   A selection menu appears, also refer to page 23

2. Select "Route map".

   The route map appears on the screen.

To change to directional display, select ⮌.◀

Revising the scale

Regardless of which display mode you have selected (Split/Full), you always have the option of selecting the scale that best suits your personal preferences.

1. Turn the right-hand rotary button to mark the field with the specified scale

2. Turn the right-hand rotary button again to set the desired map scale

3. Do not move the rotary button for a few seconds or press it to save the map scale.

   The map scale will change after a few seconds.

Altering direction display

When you select a scale of less than 1 mile or 2 km, you have the option of rotating the map to orient it either to the north or to your direction of travel.

1. Press the right-hand rotary button.

   A selection menu appears, also refer to page 23

2. Select "Map positioning".

   Another selection menu appears on the screen

3. Select the desired directional orientation.

After changing the directional orientation, it may take a few seconds until the route map is shown.◀

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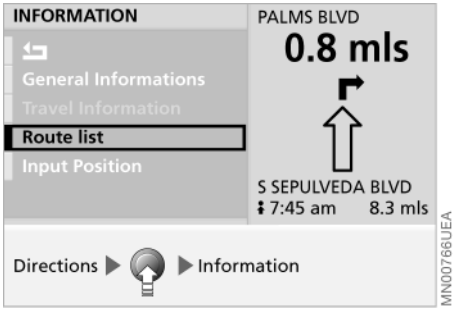
Displaying route

The directional orientation of the route map affects the screen display as follows:

- With a northern directional orientation, the map is continuously moved slightly below the direction of travel symbol
- The map is redisplayed for each directional orientation in the direction of travel when the direction of the travel symbol reaches the edge of the map section.

The respective map adjustment to the direction of travel can take a few seconds.



Route list display

You can access a listing of streets and towns or cities on your route whenever the guidance system is active. This list is based on the GPS navigation system's suggested travel route.

The distances remaining to be traveled on each individual road are also displayed.

To display the route list while the destination guidance system is active:

1. Press the right-hand rotary button.

   A selection menu appears, also refer to page 23
2. Select "Information"
3. Select "Route list".

   The route list appears on the screen
4. Turn the right-hand rotary button to scroll through the list
5. You can now select an entry from the list to obtain more detailed information
6. To exit this information mode, select .

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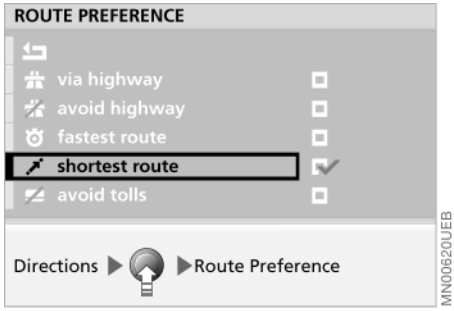
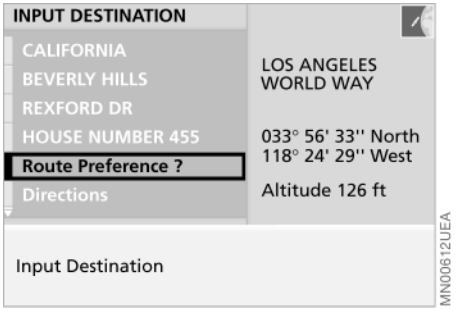




Revising route preference

You have the option of revising your route preferences by active destination.

1. Press the right-hand rotary button.

   A selection menu appears on the screen

2. Select "Route Preference"

3. Select your priorities for the route selection process

4. Select ⮌.

   The system bases its subsequent recommendations on the new route preference entry.

The calculation of the new route and its display can take up to one minute.◀

Revising route section

During active system guidance you can program the navigation system to avoid individual sections of the recommended travel route. You simply enter the number of miles (kilometers) you want to drive before returning to the original route.

1. Press the right-hand rotary button.

   A selection menu appears, also refer to page 23

2. Select "New route"

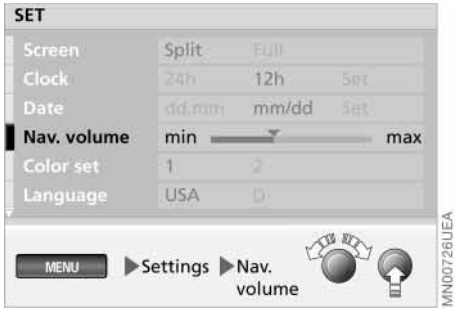
3. Turn the right-hand rotary button to select the desired distance.

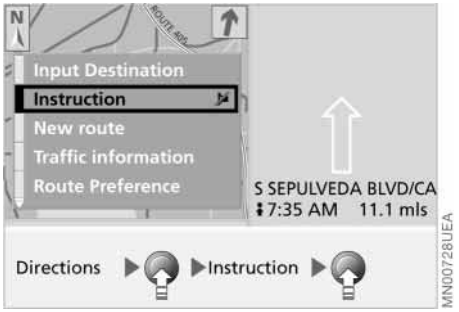
   You can select distances ranging from 1 to 10 miles (km)

4. Press the right-hand rotary button to save the desired distance.

   The system will start to guide you along the new route as soon as possible.

Voice messages





Varying volume

You can raise or lower the volume of the navigation system's voice messages relative to that of other sound sources.

Should you have also reduced the volume of all sound sources to zero with the left knob, then the navigation instructions are output at a minimum volume.

For instructions on how to adjust the minimum volume, refer to page 46.

Repeating or interrupting voice messages

To repeat the last audio voice message:

1. Press the right-hand rotary button.

   A selection menu appears in which "Instruction" is already highlighted

2. Press the right-hand rotary button briefly.

   The last audio voice message is repeated.

To interrupt the audio voice message, press and hold the right-hand rotary button for a longer time in the second step.

Select "Instruction" again to reactivate the voice output.

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Continuing guidance

After stopping (for instance, to refuel) you can decide whether to continue using the guidance system to remain on your previous route.

Select "yes".

The GPS navigation system resumes active guidance along your original route.

Terminating/interrupting active guidance

To terminate or interrupt the active destination guidance system:

1. Press the right-hand rotary button.

   A selection menu appears, also refer to page 23

2. Highlight "Input Destination" with the right-hand rotary button.

   The display changes to "Terminate guidance ?"

3. Press the right-hand rotary button.

   The destination guidance system is ended.

If you want to reactivate the destination guidance system at a later time with the same specifications:

1. Select "MENU"

2. Select "GPS-Navigation"

3. Select "Directions".

   The destination guidance system is restarted.

Steps 1 and 2 are not necessary if the "GPS-Navigation" menu has not been exited.◀

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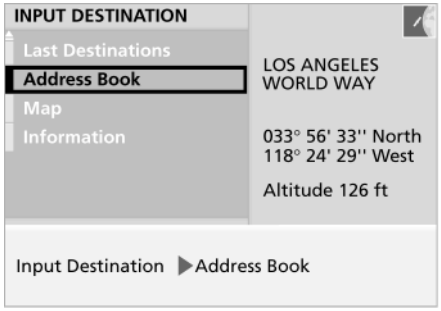
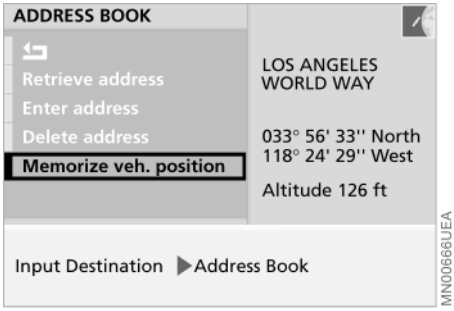
Creating address book





Address and destination memory

You can – depending on the length of the addresses – store up to 100 addresses and copy them directly as a destination for GPS navigation:

1. Select "Address Book"
2. Select "Enter address"
3. Enter the requested data.

   A name is not required for active guidance or for storing a destination in the address book
4. After entering the complete address, confirm by selecting "Enter".

   The system stores the address.

Storing current position

You can enter your current position directly in the address book or to the destination memory and add a designation for this location.

1. Select "Address Book"
2. Select "Memorize veh. position"
3. Add a designation for the location if desired
4. Select "Enter".

   The system stores your current position in the address book.

▷ To store current position for the return journey, refer to page 31.◀

▷ The current position can also be added to the address book when the area marked on the map CD/DVD has been exited. In this case the town or city, the street name or a name must be entered.◀

You can also enter all current vehicle positions while proceeding under active guidance from the system.

1. Press the right-hand rotary button.

   A selection menu appears on the screen
2. Select "Input Destination"
3. Select "Address Book"
4. Select "Memorize veh. position"
5. Add a designation for the position if desired
6. Select "Enter".

Your current position is stored in the address book.

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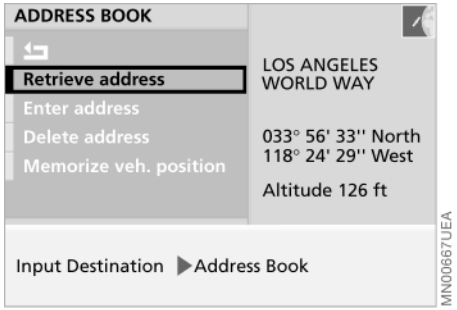
Selecting an address



You can use the direct access feature to select destinations from the address book.

1. Select "Address Book"

2. Select "Retrieve address".

   An alphabetical listing containing all stored addresses and destinations appears on the screen

3. Select desired address.

   The guidance system adopts the address as your destination.

Deleting an address

You can delete addresses from the address book either individually or all at once.

1. Select "Address Book"

2. Select "Delete address"

3. Select desired address.

   "Delete address?" appears on the screen

4. Select "yes".

   The address is deleted.

To delete all addresses at once, use the right-hand rotary button to select "Delete address", then maintain pressure on the button for at least one second.

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Current position

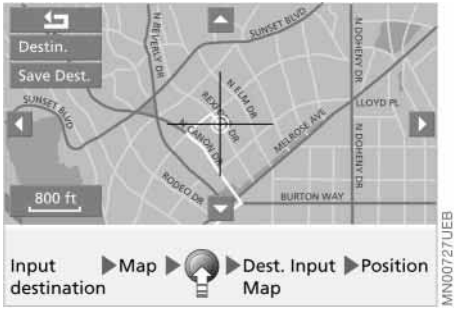
Current position display

Before starting off, you would like to have a look at the map to determine your current position.

To view this map:

Select "Map".

The current position of your vehicle is indicated on the map.



To store this position:

1. Press the right-hand rotary button.

   A selection menu appears on the screen

2. Select "Dest. Input Map".

   A map showing current position and destination appears along with a cursor

3. Select "Position".

   The current position of your vehicle is indicated on the map.

If the display is set to a scale of 1 mile or 2 km or less, you can use "Save dest." to enter your current position in the address book, refer to page 39.

Entering the current position

A correction of the position is only recommended in exceptional cases because the GPS receiver only requires a few minutes to find the position, for example, after the vehicle is transported with a car-carrying train.

To enter your current position:

1. Select "Information"

2. Select "Input Position"

3. Select city and street if desired.

   Enter your current position with the same procedure used to enter destinations, refer to page 24

4. Select "Intersection ?".

   The information "Crossing intersection" is output and the current position is copied from the navigation system.

If the GPS navigation system was able to determine the current position itself, this will be copied to the system.◀

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Wordmatch principle

Your GPS navigation system features a "wordmatch" system designed to make it easier for you to enter names. The system runs ongoing checks, comparing your destination entries with the data stored on the map CD/DVD as the basis for instant response. The user benefits include:

▷ When you make an entry that consists of more than one word, the system can identify the name regardless of the sequence in which you enter the individual words.

Example:

Official version:
J.F. Kennedy Square

Possible entries:
Kennedy Square J.F.

or:
Square J.F. Kennedy

▷ Names of specific locations can also vary from the official versions, provided that the spelling of the entry corresponds to a standard form used in another country

▷ When you are entering the names of cities and streets the system will complete them automatically as soon as enough letters are available to ensure unambiguous identification.

Example:

You want to drive to Rexford Drive in Beverly Hills; as soon as you enter the letter "x", the system has enough information for positive identification and can then finish the entry automatically

▷ The system only accepts name entries beginning with letters that are stored on the map CD/DVD. This makes it impossible to enter an incorrect name or address.

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What to do if ...

What to do if ...

▷ you request the current position of your vehicle, but do not receive a precise display?
The system is unable to receive enough GPS signals at your current position owing to obstructions, your position is not yet available on your CD/DVD, or the system is in the process of calculating your position. Please try again later

▷ the GPS logo disappears from the screen?
Reception is interrupted; a building or similar obstruction may be the cause

▷ the guidance system fails to adopt an address from the address book as its destination?
The address is not on the map CD/DVD currently in use. Choose an address as close as possible to the original one, using the map for saving destinations as necessary

▷ the guidance system does not adopt an address without the street?
No specified center is defined for the selected city or town on your CD/DVD. Enter any street, or a destination such as the railway station, for the town or city, then start the guidance system

▷ you wish to enter a destination address into the guidance system, but the letters for it cannot be selected?
The address is not on the map CD/DVD currently in use. In this case, the system will not offer you any letters to choose from. Choose an address as close as possible to the original one, if necessary using the map for saving destinations

▷ you attempt to enter a destination address using the target cursor, but the guidance system refuses to accept your entry?
Your current scale does not offer adequate resolution. The system only accepts destinations from scales of up to 1 mile or 2 km ("Save dest." can be highlighted)

▷ the system stops furnishing directions on which way to turn as you approach intersections?
You are driving in an area that has not yet been completely recorded on the map CD/DVD. The output route arrow points in the direction of the next point already recorded or the destination already recorded,
or
you have left the recommended route and the system requires a few seconds to calculate a new recommended route

▷ the route map automatically appears while you are being guided to your destination (full screen mode)?
You are driving in an area that has not yet been recorded on the map CD/DVD. The guidance system cannot operate under these conditions. However, you will see the current position of your BMW in the map display to help you orient yourself

▷ the battery has been disconnected?
It will take approx. 15 minutes for the system to resume operation.

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Press the left-hand rotary button.

The sound system will start with the last selected audio source (radio, cassette or CD player*).

If the monitor is set for display in the split screen mode, the current sound system settings will appear on the left side of the screen.

To select a different display mode, refer to page 19.

Note the following special features:

▷ To display the "Info" selection menu or to open it again

INFO

▷ If the entries in a selection menu are not made within eight seconds, you will need to repeat the procedure.

Adjusting volume

Turn the left-hand rotary button to adjust to the desired volume level.

The sound system automatically reverts to the mute mode whenever you dial out or receive a telephone call.◀

Adjusting volume for audio driving instructions

With the "Nav-Min" function you set a minimum volume for the audio driving instructions.

1. Enter the selection menu

   INFO

2. Use the right-hand rotary button to select "Nav-Min".

   A selection menu appears on the screen

3. Select "Nav-Min +" or "Nav-Min -"

4. Press the right-hand rotary button repeatedly until the desired volume is set.

   You can select a step between -9 and +9; step 0 is equal to a moderate volume.

The selected minimum volume is maintained for all audio driving instructions.◀

Refer to page 19 for how to set the volume of the navigation voice messages relative to that of the other audio sources.

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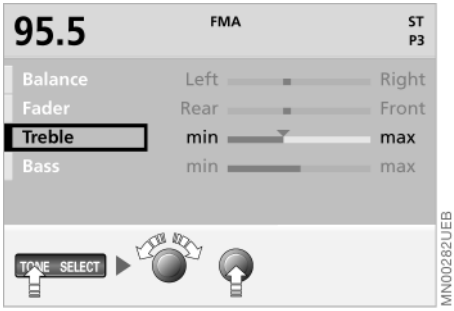
Tone control

Playing audio recordings

You can choose from the following settings:

▷ "Right"/"Left" volume distribution ("Balance"):
On the left or right, louder/softer
▷ "Front"/"Rear" volume control ("Fader"):
Front or rear, high/low volume
▷ "Treble":
Amplify or reduce high frequencies
▷ "Bass":
Amplify or reduce low frequencies.

The treble and bass setting is source-dependent, i.e. can be adjusted separately for the radio, cassette and CD changer*. When you then select a new sound source the system automatically adopts your settings.◀



Tone adjustment

1. Select tone adjustment

   TONE

2. Select desired tone settings

3. Turn the right-hand rotary button to adjust to the desired level.

   The display disappears approx. eight seconds after the last adjustment. The modified settings are stored automatically.

Resetting the tone adjustment

You can reset all settings for radio, cassette or CD changer* to standard levels.

TONE

Hold down for longer than two seconds.

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Selecting the frequency band

Your car radio is designed for the reception of the FM and AM reception bands.

Selecting the frequency band

FM AM

Your current selection appears in the display screen.

▷ The reception range buttons are multiply assigned with the various memory levels. Each time FM is touched, the radio switches between FM1, FM2 and FMA.
Each time AM is touched, the radio switches between AM and AMA. Refer to Automatic storage, page 53.◀

Information display

Information on your current settings is provided in the upper left section of the split screen display. For example, in the FM frequency band:

- ▷ 95.5
  Frequency of the current station or, if an RDS signal has been received, the station name
- ▷ FMA
  FM frequency band, automatic data storage (Autostore), refer to page 52
- ▷ ST
  The current station is received in stereo quality
- ▷ P3
  Station key, number of memory location, refer to page 53.

Selecting radio stations

RDS – Radio Broadcast Data System

Specially designed systems offer improved sound quality by compensating for the inherent limitations of mobile reception:

The Radio Broadcast Data System (RDS) transmits supplementary information in the FM range. RDS stations provide the following services:

- ▷ During reception from stations broadcasting on more than one frequency, the radio automatically changes to the frequency with the best reception quality
- ▷ The receiver processes the RDS signals and provides the name of the station on the screen
- ▷ Additional information can be indicated or called up in the display (such as text bulletins from the station).

Remember that reception of RDS data is only possible under favorable reception conditions. If reception is poor or interference is present, there may be a delay before the station's name appears on the display screen.

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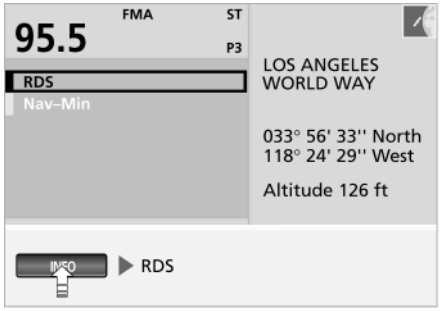

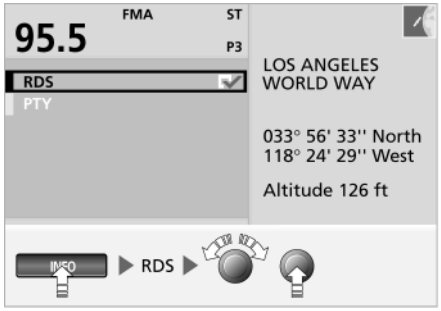

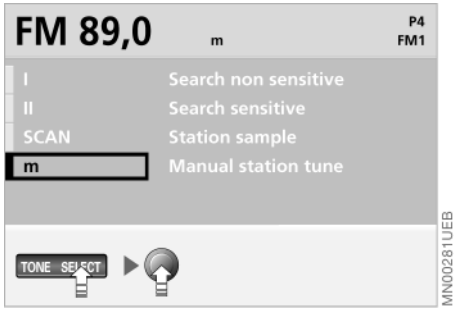

Switching RDS on/off

Switch on RDS when you want to display the names of the stations in the FM reception range.

1. Enter the selection menu

   INFO

2. Use the right-hand rotary button to select "RDS".

   A selection menu appears, also refer to page 46

3. Use the right-hand rotary button to select "RDS".

   A highlighted selection box appears next to the letters "RDS".

Manual station selection

You are looking for a particular station, using either the name or the broadcast frequency.

1. Enter the selection menu

   SELECT

2. Use the right-hand rotary button to select "m Manual station tune"

3. Select a station

   ◁ ▷

   Press, maintain pressure,

   or

   turn the right-hand rotary button until the desired station appears in the display.

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Selecting radio stations

Sampling and selecting (Scan)

You can use the automatic SCAN feature to sample stations offering good reception one after the other.

1. Enter the selection menu

   SELECT

2. Use the right-hand rotary button to select "SCAN Station sample".

   The receiver starts to scan

3. Select a station

   SELECT

   This interrupts the SCAN function, and the radio remains set to the selected station.

Scan

You have the option of using the scan feature in either one of two modes:

- "I Search non sensitive" scans the waveband for stations with strong broadcast signals
- "II Search sensitive" scans for all stations, including those with limited reception quality.

1. Enter the selection menu

   SELECT

2. Use the right-hand rotary button to select either "I Search non sensitive"

   or

   "II Search sensitive"

3.

   or

   turn the right-hand rotary button until you hear the station you require.

   If the receiver is unable to detect any stations during the "I Search non sensitive" scan, it will start a second scan in which it also searches for weaker broadcast signals.

Next station

Press in either direction:
The search mode scans for the next station.

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Program type (PTY)*

You can also base the selection of a station on the program type (PTY).

Via RDS (Radio Broadcast Data System) some stations transmit short information that is briefly displayed on the screen when the corresponding frequency is selected, and which provides information on the type of program being received: news (NEWS), sports (SPORTS), pop (POP MUSIC), culture (CULTURE), etc.

If reception is poor or interference is present, there may be a delay before PTY is available.

PTY can also provide information on emergencies and natural disasters. If the station transmits emergency PTY information, "ALERT" appears on the screen.◀

Selecting program type

1. Enter the selection menu

2. Use the right-hand rotary button to select "RDS".

   A selection menu appears, also refer to page 46

3. Use the right-hand rotary button to select "PTY".

   A highlighted selection box appears next to the letters "PTY".

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Storing radio stations

Memory locations

Your radio can store 30 stations:

- In the FM reception range you can store twelve stations of your choice and in the AM reception range you can store six stations of your choice (buttons 1...6)
- In addition, the radio also automatically stores the respective six strongest stations in the FMA and AMA reception range, refer to the following page.

The memory locations of the individual reception ranges are distributed among the FM1, FM2 and FMA or AM and AMA memory levels.◀

Due to the various memory levels, the station buttons are multiply assigned.

Select the desired waveband

FM

Each time the button is touched, you switch within the FM and AM memory level.
The selected memory level is displayed in the upper status line of the Radio screen view.

Storing stations with buttons

1. Select the waveband

   FM AM

   Each time the button is touched, you switch within the FM and AM memory level

2. To select a radio station, refer to page 49

3. Store station

   1 2

   Maintain pressure on the left or right of the desired button (1...6) until you again hear the station after a brief interruption.

Automatic storage

The automatic storage (Autostore) is advantageous when you want to have quick access to the currently strongest stations of the FM and AM reception ranges during long-distance driving.

On the FMA and AMA memory levels the respective six strongest stations can automatically be saved.

The stations already stored in this reception range are deleted as soon as you activate automatic storage.◀

1. To select FMA memory level, press

   FM

   repeatedly until the desired memory area is displayed

2. To store:

   FM

   Press and hold the button.

Automatic storage for the AMA memory level is carried out in the same way.

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Storing radio stations

The radio automatically switches over to the FMA or AMA memory level. The six currently strongest stations are automatically stored and the station stored under station button 1 is selected.

If you do not want to use this function, you can store six additional stations of your choice on both the FMA and AMA memory levels, refer to page 52.◀

Calling up a station

Calling up a station stored in memory

1. Select the waveband

Each time the button is touched, you switch within the FM and AM memory level

2. Select the stored station

Press the desired button (1...6) on the left or right

or

use the right-hand rotary button to select the desired station.

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Starting and stopping the cassette

Starting

1. Switch on radio, refer to page 11 or page 46
2.

   The cassette module is lowered
3. Insert the cassette all the way into the slot, ensuring that the exposed tape side is on the right.

   The cassette module automatically returns to its original position. "TAPE 1" appears in the display panel.

The cassette module is equipped with integral finger protection. It immediately stops retracting if it encounters any kind of obstacle.◀

If a cassette is already in the cassette slot:

Start play by pressing

until "TAPE 1" appears in the display.

Select side 1 or 2 as desired

Stopping

The cassette module is lowered and the cassette is ejected from its slot

or

switch off the radio, refer to page 46

or

press

until the desired audio source (radio or CD changer*) appears in the display panel.

The sound output changes

- ▷ directly to radio reception, refer to page 46
- ▷ to CD operation when the CD magazine is filled, refer to page 56.

Mode displays

TAPE ERROR
The tape in the inserted cassette has seized playing.

In order to avoid damage, press

until the cassette is ejected; then remove the cassette from the slot.

If the tape is loose, you can insert a pen in one side of the winding mechanism and turn it to retension the tape.

Insert the cassette in the slot again, then use the "fast forward" and "rewind" functions to run the tape to the end of its travel in both directions; this ensures that the tape is evenly wound.

If the warning display reappears in the display panel, you should not attempt to use the tape again.

TAPE CLEAN
After about 50 hours of operation, this status display will appear twice in a row, on two successive occasions when you insert a cassette. This display reminds you to clean the player at the recommended intervals. Cassette care, refer to the Caring for your vehicle brochure.

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Noise suppression

Dolby B and C suppress noise during playback of audio cassettes.

They amplify high frequencies during recording, and reduce their intensity during playback. Because background noise consists primarily of high frequencies generated during play, this strategy results in lower levels of background noise.

Dolby and the DD symbol are registered trademarks of the Dolby Laboratories Licensing Corporation.

Turning Dolby on/off

Use this feature only with cassettes that have been recorded with Dolby B or Dolby C, as use with standard cassettes results in reduced sound quality.◀

Press

SELECT

until you obtain the best sound reproduction. The system progresses one step through a sequence consisting of Dolby B, Dolby C and Dolby off each time you press the button.

The display " DD B" or " DD C" shows the current level of noise suppression.

Music track search

Fast forward/rewind

Select the direction

Press twice briefly or once for a longer period.

When it reaches the end of the tape, the player automatically switches to the other side.

To interrupt fast forward/rewind:

Press once briefly.

Music track search

The music track search function will only work when there is a pause of at least four seconds between music selections on the tape.◀

To use music track search

The tape winds forward to the next music selection. The player automatically switches to the other side when it reaches the end of the tape.

To stop the fast forward mode:

Press once briefly.

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CD changer*

Location

The BMW CD changer for 6 CDs is located at the left rear of the luggage compartment.

Removing the CD magazine

You must remove the CD magazine from the changer to add or remove CDs.

1. Slide the cover to the right

2. Press the button

The magazine slides out for removal.

MA00228CMA

Reloading/unloading CD magazine

When inserting and removing CDs you should always grasp them by their edges, being sure to avoid all contact between your fingers and the reflective data side of the disc.◀

The CD compartments in the changer have the same numbers as the CD selector buttons on the radio.

To load:
Insert the CD in its slot with the label side on top.

To unload:
Pull out the drawer and remove the CD, as shown in the illustration.

We recommend that you refrain from using the changer to play single-track CDs with the aid of an adapter. The CD or the adapter could jam. Suitable magazines for single-track CDs are commercially available.◀

MA00183CMA

Inserting the CD magazine

1. Slide the cover to the right

2. Press the CD magazine all the way into the changer by pressing in the direction indicated by the arrow

3. Close the cover.

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CD changer*

Operating temperatures

You should not use the CD changer at less than 5 °F (–15 °C) or over 140 °F (+60 °C), as the unit may malfunction when operated at extreme temperatures.
Even when switched off, the unit should never be exposed to temperatures outside a range extending from –13 °F (–25 °C) to 185 °F (+85 °C).◀

Atmospheric humidity

High levels of humidity inside the player can condense on the laser's scan lens and prevent it from reading the CD.

Precautions when using laser equipment

The BMW CD changer is a "Class 1" laser product.

Never remove the cover from the housing. Do not operate the unit if the cover is damaged. Operation without the cover can lead to serious eye injury from invisible laser beams. Have all repair and maintenance operations carried out by qualified technicians only.◀

Starting and stopping the CD

Starting

1. Switch on radio, refer to pages 11 and 46

2. Press

   MODE

   until the CD control display appears.

   After a few seconds, play will resume at the point where the CD stopped earlier.

If the CD magazine has been reloaded, the system will start to play the first track on the CD in the lowest loaded slot, i.e. CD 1, track 1.◀

Stopping

Switch off radio, refer to page 46

or

press

MODE

until the desired audio source (radio or cassette) appears in the display panel.

The sound output changes
- ▷ directly to radio reception, refer to page 46
- ▷ to cassette operation if cassette has been inserted, refer to page 54.

If you play self-recorded CDs, faults may occur (e.g. drop-outs).◀

To prevent CDs from being copied illegally, they are often provided with copy protection by the manufacturer. Please observe the information on your CD. These CDs differ from the Red Book CD audio standard, on the basis of which all CD players and changers are designed. Under certain circumstances this can prevent or restrict the playing of CDs on your CD player. In this case please contact the CD dealer or manufacturer.

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Mode displays

NO DISC
There is no CD in the slot, or the CD has been inserted incorrectly.

NO DISCS
The magazine is empty.

NO MAGAZINE
No magazine has been inserted.

CD CHECK
The unit is scanning the loaded CDs.

HIGH TEMP
Operating temperature is too high. Play will begin again automatically as soon as the temperature falls to within the normal operating range.

Using the buttons to search for music tracks

CD selection

Press the button on the left or right for the desired CD number (1...6).

The number of the selected CD appears in the display panel. The unit starts to play the first track. At the end of the last track, the next CD will be selected.

Title search

Select a direction

Keep pressing until you get to the desired title.

The CD will start playing at the title selected.

Fast forward/reverse

1. Select the direction

   Press and hold the button. The tracks can be heard, but the sound is distorted

2. To interrupt fast forward/reverse, release the button.

   The CD will start playing at the point selected.

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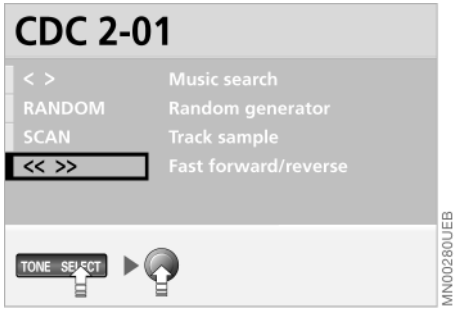
Menu-guided track search



Fast forward/reverse

1. SELECT

   The selection menu appears. "<< >> Fast forward/reverse" is highlighted

2. Select the direction

   ◁ ▷

   Press and hold the button. The tracks can be heard, but the sound is distorted

3. To interrupt fast forward/reverse, release the button.

   The CD will start play at the point selected.

Sampling and selecting (Scan)

The system plays a brief sample from each CD track.

1. SELECT

   The selection menu appears on the screen

2. SELECT

   or

   turn the right-hand rotary button, continuing until "SCAN Track sample" is highlighted

3. Start track

   ◁ ▷

4. Select track

   ◁ ▷

   The scan function is interrupted. Play resumes at the same point on the CD.

Random play

The system plays the tracks on the CD in a random sequence.

1. SELECT

   The selection menu appears on the screen

2. SELECT

   Press repeatedly

   or

   turn the right-hand rotary button until "RANDOM Random generator" is highlighted

3. Start play in the random mode

   ◁ ▷

To terminate play in the random mode:

Select another function or select "RANDOM Random generator" again.

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Menu-guided track search

Track search

1. SELECT

   The selection menu appears on the screen

2. SELECT

   Press repeatedly

   or

   turn the right-hand rotary button until "< > Music search" is highlighted

3. Select a direction

   ◁ ▷

   Keep pressing until you get to the desired title.

   The CD will start playing at the title selected.

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DSP sound system*

Digital Sound Processing (DSP) assures an optimum level of audio reproduction quality by means of spatial simulation and also by providing equalizer functions.

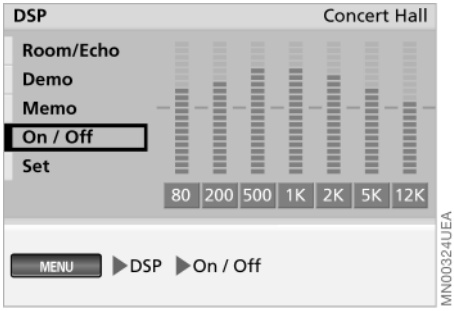
You can choose from the following settings:

▷ "Demo":
Sound pattern

▷ "Memo":
Selection between three specified and three individually settable sound patterns with influence on the 3D sound and Hall effect

▷ "On / Off":
Resets sound settings to midrange values.

The functions "Room/Echo" and "Set" are only available, if an individual sound memory is selected (memory 1 – 3).◀



Switching on and off

1. Select "MENU"

MENU

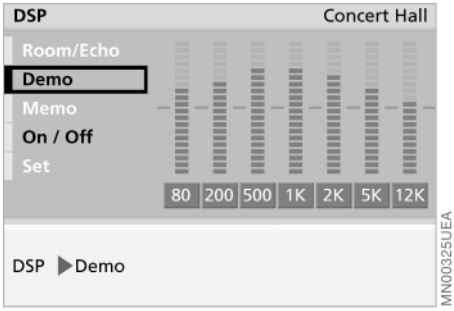
2. Select "DSP"

3. Select "On / Off".
Setting "Off" sets the sound setting to a mean value.

To exit DSP, press again:

MENU

You can use this menu to access the DSP functions described in the following section.



Selecting sound pattern

1. Select "Demo".
The pre-defined sound patterns, Concert Hall, Jazz Club and Cathedral, are activated one after the other for the music currently playing

2. Press the right-hand rotary button.
The presentation of the sound patterns is interrupted. The previous pattern is reactivated.

To activate one of the preset sound patterns or one of the sound patterns you have created, refer to the following page.

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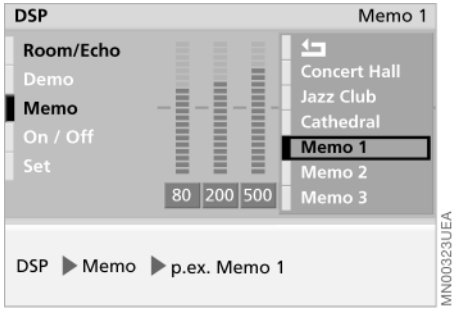
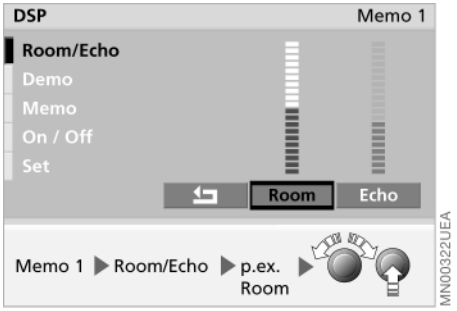
DSP sound system*





Individual tone control memory

Tone control memories 1 to 3 can be adjusted individually:

1. Select "Memo".
   A selection menu appears on the screen
2. Select the desired memory.
   Previous sound pattern is displayed
3. Select "Set"
4. Select the aspect to be changed
5. Turn the right-hand rotary button to set the change variable and press to store your entry
6. Select ⮌
7. Select "Room/Echo"
8. Select desired room control
9. Turn the right-hand rotary button to set the room control and press to store your entry
10. Select ⮌.
    The new sound pattern is assigned to the memory previously selected.

▷ Concert Hall, Jazz Club and Cathedral are preset sound patterns and cannot be modified.◀

Calling up tone control memory

1. Select "Memo".
   A selection menu appears on the screen
2. Select the desired memory.
   The corresponding sound pattern is stored.

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Starting computer

You can use the computer to access the following information:
▷ Range
▷ Outside temperature
▷ Time of arrival, refer to page 65
▷ Fuel consumption, refer to page 65
▷ Average speed, refer to page 65
▷ Speed limit, refer to page 66
▷ Distance, refer to page 67
▷ Stopwatch (timer), refer to page 68.

1. Select "MENU"

MENU

2. Select "Computer".

Press again to exit from the computer mode:

MENU

You can use this menu to access the computer functions described in the following section.

Range

The "Range" function provides an estimate of the distance that you can travel on your remaining fuel based on your rate of average fuel consumption in the period immediately preceding your data request.

The "Range" function consists exclusively of a passive display provided in the units of distance you have previously selected using "Set", refer to page 19.◀

During refueling, more than 1.1 gallons (4 liters) of fuel must flow into the tank before it will be registered by the computer.◀

Outside temperature

The "Out. temp." function provides you with a display of the outside temperature.

The "Out. temp." function consists of a passive display provided in the degree scale that you have selected in "Set", refer to page 19.◀

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Time of arrival

The "Arrival" function provides your estimated time of arrival at your destination. The navigation computer bases its calculations on the projected travel route, the type of route and your average road speed.

Requirements:

▷ With the "Distance" function a value between the starting point and destination has been entered manually before the start of driving or

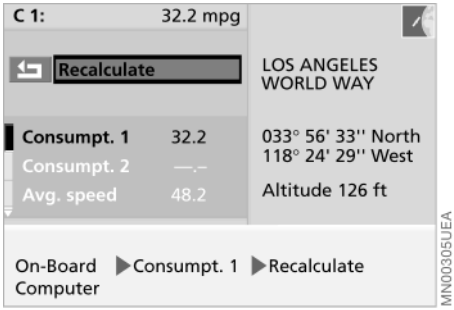
▷ a destination is entered in the GPS navigation system, see from page 33.

The computer automatically adopts the time of arrival for the projected route.

The "Arrival" function consists exclusively of a passive display provided in units based on the selections you have made in the "Set" mode, refer to page 19.◀

This display appears in the full-screen display mode (Full) at the upper right, refer to page 15.
In the split-screen display mode (Split) this only takes place while the destination guidance system is running, in the lower right half of the screen, refer to page 33.◀

Fuel consumption



You can have the average fuel consumption displayed for two different distances, such as a complete journey and a single stretch (for instance, following a stop to refuel). The average fuel consumption is calculated for the time during which the engine is running.

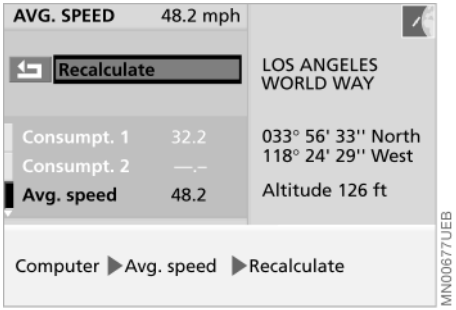
With the ignition key in position 1 or higher, to start calculating fuel consumption:

1. Select "Consumpt." (1 or 2)

2. Select "Recalculate".

   The recalculated average fuel consumption appears in the display.

Average speed



You can select a display of the vehicle's average speed. The average speed is calculated for the time during which the engine is running.

To start calculation of the average speed, with ignition key in position 1 or higher:

1. Select "Avg. speed"

2. Select "Recalculate".

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Speed limit

Assume that you do not want to exceed 50 mph on a stretch of freeway, and want to know when you reach this speed (limit).

Setting the speed limit

1. Select "Limit"
2. Select 50
3. Turn the right-hand rotary button until the desired speed appears in the display panel (50 mph in the example)
4. Press the right-hand rotary button to store this value.

   The selection box is highlighted in the display
5. Select ↰.

When you reach the limit

▷ A signal tone sounds.

The speed limit reminder will only be repeated if you drop below the limit by more than 2 mph (approx. 5 km/h) before speeding up again.

Deactivating or reactivating the limit function

You would like to deactivate the active speed limit reminder while still retaining your speed entry for later use.

1. Select "Limit"
2. Select **I/O**

   The selection box is no longer highlighted
3. Select ↰.

To reactivate the stored speed, select **I/O** again.

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Speed limit

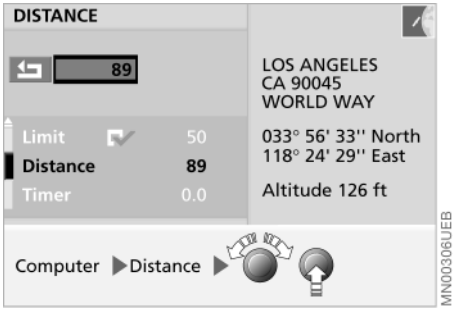
Adopting your current speed as the limit

You would like to adopt your current speed as the speed limit for the rest of your trip in your BMW.

1. Select "Limit"
2. Select .

   The new limit appears in the display and the selection box is highlighted
3. Select .

Distance



The "Distance" function displays the distance remaining to the destination.

Requirement:

- ▷ The distance between the starting point and the destination has been entered manually before the start of driving or
- ▷ a destination is entered in the GPS navigation system, see from page 24.

1. Select "Distance"
2. Set the desired value by turning the right-hand rotary button and store by pressing
3. Select .

If the distance is calculated with the GPS navigation system, then the following calculation steps are run through after the destination guidance system is started:

- ▷ Beeline between starting and destination location as basis
- ▷ Approximation in the route calculation still running
- ▷ Adjustment of the value to the calculated value and the route shown with the map.

The distance value displayed at the beginning can still change accordingly up until the entire route is calculated, refer to page 33.

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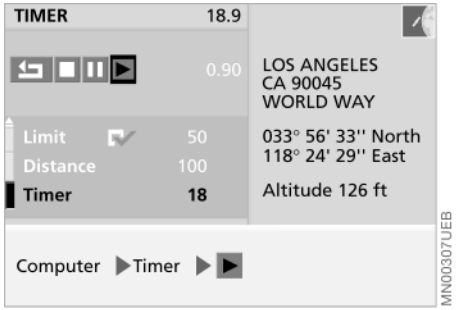
Stopwatch



Starting and stopping

You want to measure the time between the starting point and the destination.

1. Select "Timer"

2. Select ▶.

   The stopwatch is started and the marking changes to ■.

The passing time is displayed next to the "Timer" function.

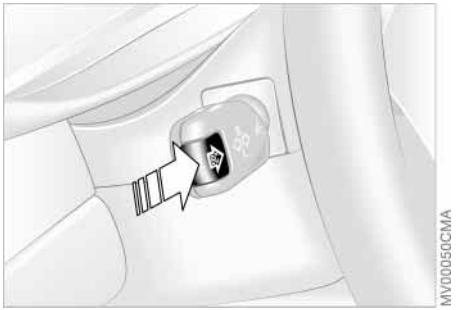
To stop the time, select the marked stop symbol.

Taking an interim time reading

Select ❚❚.

The interim time is shown on the right. The stopwatch continues running.

Remote control



With the ignition key in position 1 and higher, you can access information from the computer for display using the button integrated within the turn signal lever. Each time the button is pressed toward the steering column, another function is displayed in accordance with the selected settings of the computer.

The display can include:

- ▷ Time
- ▷ Average fuel consumption (1 and 2)
- ▷ Range
- ▷ Limit
- ▷ Distance
- ▷ Time of arrival
- ▷ Average speed
- ▷ Date
- ▷ Stopwatch.

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Code: preventing unauthorized persons from starting the engine

You can choose and enter a code without which the engine cannot be started. When the code has been activated, you are required to enter it with the ignition key in position 1.

Each time the code is activated, it is valid only until the next time the engine is started.

If the code is no longer available, emergency deactivation is possible, refer to page 70.

1. Select "MENU"

2. Select "Code".

To exit this function, press the button again:

You can use this menu to access the code functions described in the following section.

Choosing and activating code

1. Select "Code"

2. Select first input field

3. Enter desired number sequence:
   - ▷ Turn right-hand rotary button until desired number between 0 and 9 is displayed
   - ▷ Press right-hand rotary button to confirm entry
   - ▷ Enter the three subsequent numbers in the same way.

   A note on further procedures appears.

4. To activate the code.

   Turn the ignition key to 0.

To correct an entry:

1. Select "Change"

2. Repeat the entry.

To cancel entry of the code, press:

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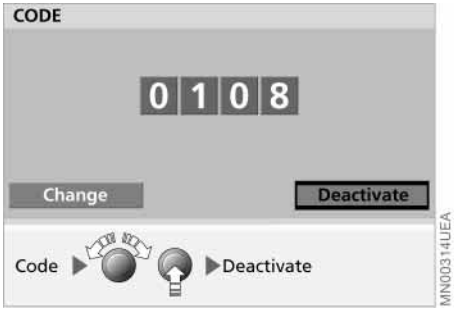
Code: preventing unauthorized persons from starting the engine



Deactivating code

When you are required to enter the code (ignition key position 1):

1. Enter the code

2. Select "Deactivate".

To correct an entry:

Select "Change" and repeat the code entry.

After three incorrect code entries or after three attempts to start the engine without a code entry, an alarm sounds for 30 seconds; refer also to Emergency deactivation.◀

Emergency deactivation

Emergency deactivation can also be carried out before the three attempts to start the engine or three incorrect code entries have been made and the alarm sounded.

1. Disconnect the battery and wait about 5 minutes before reconnecting it; refer to Owner's Manual for Vehicle

2. Turn the ignition key to position 1.

   A ten-minute countdown appears on the screen.

After the ten minutes have elapsed, you can start the engine.

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Auxiliary heating*/ventilation

For your information and your own safety, please comply with the instructions regarding the auxiliary heating and ventilation in the corresponding Owner's Manual. The following instructions refer only to the operation via the onboard computer.

Never operate the auxiliary heating/ventilation in enclosed areas. Otherwise, the inhalation of harmful exhaust fumes can lead to unconsciousness and death. Exhaust fumes contain the colorless and odorless yet poison-ous gas carbon monoxide. Switch off the auxiliary heating/ventilation when refueling.◀

1. Select "MENU"

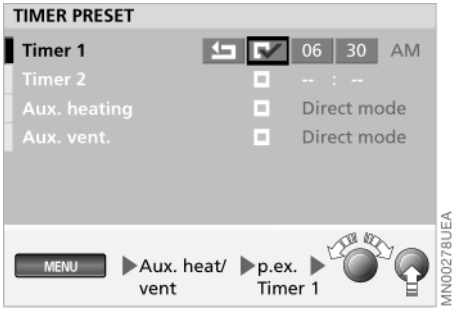
MENU

2. Select "Aux. heat/vent".

To exit this function, press the button again:

MENU

You can use this menu to access the auxiliary heating/ventilation functions described in the following section.



Setting timer

Two switch-on times are available (ignition key position 1).

1. Select "Aux. heat/vent"

2. Select desired timer (Timer 1 or Timer 2)

3. Select hours or minutes on the timer

4. Set the desired time by turning the right-hand rotary button and store by pressing.

   The corresponding symbol ✓ is highlighted on the screen. The auxiliary heating/ventilation switches off automatically at the set time.

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Auxiliary heating/ventilation

Deactivating or reactivating timer

1. Select "Aux. heat/vent"

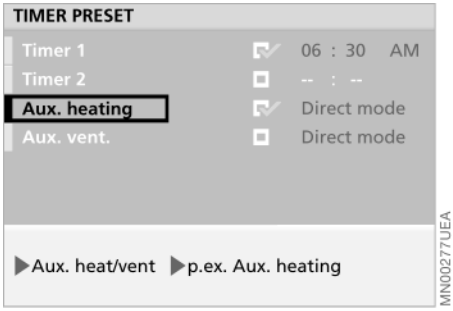
2. Select the desired timer (Timer 1 or Timer 2)

3. Select ☑.

   The corresponding selection box is no longer highlighted

4. Select ↩.

   To reactivate the times previously set, reselect the corresponding selection box ☑.



Switching direct mode on/off

You wish to rapidly increase the temperature in your vehicle after an interruption in driving.

1. Select "Aux. heat/vent"

2. Select "Aux. heating" (ignition key position 1 and 2) or "Aux. ventilation" (ignition key position 1).

   The corresponding selection box is highlighted on the screen.

After 30 minutes, the auxiliary heating/ventilation switches off automatically.

To switch off beforehand:

▷ Repeat steps 1 and 2 or

▷ press the clock symbol until the flashing red fan symbol in the screen panel goes out.

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Abbreviations

Screen display	Meaning
AM	Amplitude Modulation – AM waveband/AM memory mode
Aux. heat/vent	Auxiliary heating/ventilation
Avg. speed	Average speed
BC	Computer
CD	Compact Disc
Consumpt.	Fuel consumption 1 and 2
Dest. guide	Destination guidance system – start of destination guidance system after destination input
Dest. input map	Destination input map – destination input via map
Destin.	Destination
Direct. of travel	Direction of travel
DB/DC	Dolby B/Dolby C – noise suppression
DSP	Digital Sound Processing
DVD	Digital Versatile Disc
FM	Frequency Modulation – FM waveband/FM memory mode
GPS	Global Positioning System – navigation system
min – max	Minimum to maximum
Navi. volume	Navigation volume – adjustment option
No./Intersection	House number or intersection – destination input
Out. temp.	Outside temperature
P 1...6	Station number on the FM and AM wavebands
PTY	Program type (news, sports, pop, etc.) in FM waveband
RDS	Radio Broadcast Data System in FM waveband
Save dest.	Save destination – destination input via map

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