About this booklet

This booklet contains important information, tips, suggestions and warnings on using the MFD2 radio navigation system. The other booklets in the vehicle wallet contain further information which you should be aware of for your own safety and for the safety of your passengers.

Ensure that the complete vehicle wallet is always in the vehicle. This is especially important when you lend or sell the vehicle to others.

This manual describes the scope of vehicle equipment at the time of publication. Some of the equipment described here will not be available until a later date, or is available only in certain markets.

Illustrations may vary from your vehicle in detail. For this reason you should regard illustrations as a general guide.

Directions and positions (e.g. right, left, front, rear) are always relative to the direction of travel of the vehicle unless otherwise stated.

Some sections of this booklet do not apply to all vehicles. If this is the case, a text at the start of the section indicates to which vehicles it applies, e.g. "Applies to vehicles with CD changer".

WARNING

Texts with this symbol contain information on safety. They help protect you from accidents and injury.

Caution

Texts with this symbol draw your attention to potential sources of damage to your vehicle.

For the sake of the environment

Texts with this symbol contain additional information on the protection of the environment.

Note

Texts with this symbol contain additional information.

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Quick Reference Guide

Control elements

This overview will help you to quickly familiarise yourself with the control elements.

1. On/off knob (push and volume control turn). The volume control will regulate the volume of the audio source currently selected. A column will indicate the volume level. The volume of a telephone conversation can also be regulated using the volume control.

2. Entries in the screen menus can be made using the menu button. Turning the knob to mark a function or a sub-menu. Press to select a function or a sub-menu.

3. Sound and sound centre settings

4. Left and right of the screen - function keys/station buttons.
   - The term function key is used because the keys have different functions depending on the menu being shown in the display. If the text says, for example, "Press [Fast, next]", then press the function key next to where the text "Fast, next" appears on the screen.
   - Station keys: The upper 6 function keys are used as station buttons in the radio mode. Stations can be stored in these keys. The upper 6 function keys can be used to select the inserted CDs in CD changer mode.


6. Switches between day and night display or darkens the screen display

7. Set for an audio or navigation CD.

8. CD eject button. The ejected CD will be pulled back into the unit if it is not fully withdrawn within 10 seconds.

9. Set flagged destination. The unit will store the current vehicle position when this button is pressed. When this button is pressed again, the flagged destination will be overwritten if it has not been stored in the destination memory.

10. The traffic jam button calls up the input menu to execute route sections in a route list or to enter traffic jam information manually.

WARNING

Adjust the volume so that you can still hear signals coming from outside the vehicle, such as fire brigade, ambulances or police cars.

CAUTION

If the screen is not a touchscreen, do not press on the surface. The screen can be cleaned with a soft cloth and alcohol. Do not use solvents such as turpentine or petrol to clean the surface as they will corrode the material.
Display elements on the screen

This section describes the elements seen in the display.

A. The selection of the function characteristics, such as Destination or Overview, can only be reached by pressing and turning the menu knob.

B. The right part of the status bar contains additional information or the option “back with ESC.”

C. Details of the active audio source or navigation status are shown in the centre part of the status bar.

D. The left part of the status bar shows the current menu.

Below the status bar

A light yellow marking indicates which source is active. Press the key beneath it to call up the main menu for this source.

A darker orange marking indicates which source is still active in the background (the radio in this example). Press the key beneath it to call up the main menu for this source.

If the text CD is displayed in the marking above the [E] button, the CD inserted in the CD drive cannot be read and may be damaged.

Switching on and off

A safety code made up of four characters must be entered when switching on for the first time.

Switching on/off

- Press the rotary/push knob ⇒ page 2, fig. 1.

- Press the rotary/push knob again to switch the unit off.

Entering the safety code

- The safety code can be found on the unit card.

- Enter the characters by turning and pressing the menu knob ⇒ fig. 3.

- Press [E] if you wish to change incorrect entries.

- Once the safety code as entered corresponds to the code given on the unit card, press [E].

Note

The unit will be blocked for one hour if an incorrect code is entered three times. The code can be entered again after this one hour has elapsed.
Radio / CD / Sound

Radio

Overview

Information is given here on how to select and store stations.

The following radio functions are selected via the function keys:
- Scan/AS - Scans stations or stores those stations with the strongest reception ⇒ page 6, "Scan AS".
- List/MAN - Calls up station list or manual frequency input ⇒ page 6, "Station selection from a list (FM only)".
- [SET] - Sets the waveband and traffic radio, menu function ⇒ page 7, "Setting waveband/Muting".
- [SET] - Set-up for RDS functions ⇒ page 9, Settings.

Scan/AS

The stations with the strongest reception are either scanned or stored automatically.

Fig. 4 Radio main menu

Fig. 5 Auto Store AS

Playing stations briefly
- Briefly press ⇒ Fig. 5 Scan/AS.

Auto Store on the second memory level (FM2 or AM2)
- Press [Scan/AS] for longer than 2 seconds to allocate those stations with the strongest reception in the selected waveband (FM2 or AM2) in the upper 6 function keys.

Auto Store for all memory levels (Initial Auto Store)
- Press [Scan/AS] for longer than 10 seconds to allocate those stations with the strongest reception in all wavebands to the upper 8 function keys.

Fig. 6 Radio waveband

- Press [FM1] in the radio main menu ⇒ page 6, Fig. 4 to see the frequencies.

The selected function will be shown on the screen and can be stopped by pressing [Scan/AS] again.

A scan in the FM waveband will play through the list of registered stations. A scan in AM will play all stations with a high quality reception. Each station scan lasts 8 seconds. Press the menu knob or [Scan/AS] if you would like to stop at the station currently being played.

Note

Use the function "Initial Auto Store" if you are using the unit for the first time or when selecting new stations in the waveband. Any station names on the station buttons will be overwritten. The process of searching for and storing the station names takes a few seconds.

Press [FM1] or [FM2] to receive VHF stations.
Press [AM1] or [AM2] to receive medium wave stations.
When in FM1 or FM2 mode, press [TP] to receive traffic information reports.
Press [Radio off] to mute the radio or to switch the mute function off.

The last heard station will be played for the waveband selected. Traffic information reports will be relayed even when the radio has been muted. The TP function must be active for this purpose (yellow column next to the field). When TP is active, the letters TP are lit up in yellow. The increased volume level for the traffic announcement can be lowered by pressing the button 0.15.
Station selection from a list (FM only)

The MFD2 radio navigation system will automatically compile and store a list of receivable FM stations after the unit is switched on.

- Press [Menu] in the radio main menu ⇒ page 8, fig. 4 to see the stored stations.
- Select a station by turning and pushing the menu knob or by using the right-hand function keys.
- Select a station from the list by turning and pushing the menu knob. You can scroll through several pages of the list using the scroll markers (▲, ▼) and and confirm your selection by pressing OK.

![List of stations](Image)

Station selection from memory or by entering frequency

Station selection from memory
- Briefly press button 3 or 4 to listen to the stored station.

Station selection by entering frequency
- Press the button [3] ⇒ page 2, fig. 1 or [SET] for longer than 2 seconds. A station frequency in a yellow frame will appear in the middle of the screen. The frequency will change as long as the buttons 3 or 4 are pressed and held.
- For fine tuning, release the button 3 or 4 and press the buttons 5 or 6 again within 2 seconds to set the exact frequency.

The word manual appears on the screen during the frequency input. The search will start in the direction that you have selected in steps of 0.1 MHz (FM1) or 9 kHz (AM1). In this way you can enter a frequency that you wish to listen to. The frequency can also be altered by turning the menu knob.

Allocating the stations to the station buttons

Stations can be allocated to the buttons to make it easier to select them quickly.
- Press one of the upper 6 station buttons until you hear a signal ⇒ page 2, fig. 1 (4). The station you are listening to is now stored on the button.

A total of 6 stations can be stored on the station buttons for each mode: FM1, FM2 or AM1 or AM2. The short form of the station name or the station frequency will appear next to the button. Press one of the buttons if you wish to listen to one of the stored stations.

Note: The memory on a button will be overwritten if a new station is stored there.

RDS settings

Some stations transmit text and information in addition to the station name.

- Press [Sett] in the Radio main menu ⇒ page 8, fig. 4.
- Further text information as running text will not be displayed on the screen, in addition to the station name, for all RDS stations.

CD

Listening to an audio CD

Listening to a CD
- Press the ⇒ page 2, fig 1 (CD) button. If a CD is already in the player, the last played track will be selected. Otherwise the following will appear briefly on the screen: “No Audio CD.”
- Insert a standard 12 cm audio CD. The play function will start automatically.

Playing the previous or next track
- Press button 5 or 6 briefly.

Fast forward/reverse
- Press and hold button 5 or 6.
**Ejecting a CD**

- Press \([\text{Eject}]\) → page 2, fig. 1, \(\text{E}2\).

The number of the track and its length are shown on the screen. TP lights up in yellow if traffic reports are to be received and TMC indicates whether TMC stations are being received → page 9, fig. 9.

**Function keys during the play function:**

- \(\text{CD} / \text{CD}\) - Selects the corresponding CD in the CD changer if connected [2].
- \(\text{All CD}\) - Selects the CD that is in the unit.
- \(\text{Scan}\) - All tracks on the CD will be played for 8 seconds at a time.
- \(\text{All}\) - The tracks on the CD will be played in a random order.

**WARNING**

The CD player is a class I laser product. If it is opened, or is faulty or damaged, there is a risk of invisible laser beams escaping from the unit. The CD player contains no parts that need to be serviced. Any repair work that needs to be done should, therefore, be carried out by Volkswagen Service® exclusively.

<table>
<thead>
<tr>
<th>Caution</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Only 12 cm standard CDs should be used, not 8 cm single CDs. Only round CDs should be inserted in the CD slot. Special shape CDs cannot be played and they will damage the CD player.</td>
</tr>
<tr>
<td>- Slide the CD with the printed side up into the CD slot up to the point where it is drawn in automatically. Hold the CD at the sides. Avoid leaving fingerprints on the CD. Clean the CD with a dry, lint-free cloth. When doing this, wipe the CD from the centre outwards. Do not clean the CDs using alcohol or solvents. Do not place the CDs near heat sources or in direct sunlight. Do not write on the CDs and do not attach stickers to them.</td>
</tr>
</tbody>
</table>

**Note**

- The upper 6 function keys are only active if a CD changer has been connected.
- CD-R and CD-RW formats can also be played, depending on the quality of the blanks.
- If the text \(\text{CD}\) is displayed in the small marking above the \(\text{CD}\) button, the CD inserted in the CD drive cannot be read and may be damaged.

**CD changer**

An external CD changer can be connected in addition to the internal CD drive of your MFD2 radio navigation system.

![Diagram of CD changer](image)

1. **LOAD**
   - Use the \(\text{LOAD}\) button to prepare the next free CD slot for loading.
2. **The LEDs above the buttons indicate the status of the corresponding CD slot:**
   - **CD slot empty:** the LED is off.
   - **CD slot being prepared:** the LED flashes slowly.
   - **CD slot ready:** the LED flashes quickly.
   - **CD slot is loaded:** the LED is lit permanently.
3. **Ejecting a CD**
   - If the current CD is ejected from the player.
4. **Note**
   - These buttons can be used to select any of the six CD slots after you have pressed \(\text{LOAD}\).
Operating the CD changer

Up to six audio CDs can be inserted in the external CD changer. There is no need to fill all the slots in the CD changer.

Loading CDs
- Lift the center armrest between the front seats.
- Press Eject to page 11, fig. 10. The LED 3 above the next free CD slot will start to flash slowly. It shows which CD slot is being prepared.
- Wait until the LED starts to flash quickly.
- Now push a 12 cm standard audio CD with the printed side facing towards the front passenger side into the CD slot until it is automatically pulled in.

Selecting a CD on the CD changer
- In CD mode, you can select the CDs in the CD slots of the CD changer directly by pressing buttons 1 to 6. If a CD slot contains a CD, the LED 2 above the button will light up.

Ejecting CDs
- If you wish to eject the CD which is being played in the CD changer, press Eject to page 11, fig. 10.
- If none of the CDs in the CD changer is being played, press Eject and buttons 1 to 6 to select the CD you wish to eject.

Fast loading
Press and hold Eject to page 11, fig. 10 for longer than three seconds to quickly load all free CD slots.
All free slots in the CD changer will be prepared automatically and can then be loaded one after another.

Ejecting all CDs
In order to eject all of the CDs from the CD changer, keep the Eject button pressed for longer than 3 seconds.
All CDs in the CD changer will then be ejected one after the other.

Ejecting / loading specific CDs
First press Eject to page 11, fig. 10 to eject a CD from a loaded CD slot. Then use the buttons 1 to 6 to select the corresponding CD slot.

CD changer and the radio display
A loaded CD slot will be indicated on the CD changer by a permanently lit LED 3.
In the MFD2 radio navigation display the text NO CD shown which CD slots are empty in CD mode. Loaded CD slots are indicated in the display with CD and the corresponding number.
CD ERR is shown in the display if the CD changer cannot read a CD that has been loaded.

WARNING
The CD changer is also a class I laser product. If it is opened, or if it is faulty or damaged, there is a risk of invisible laser beams escaping from the unit. The CD changer contains no parts that have to be serviced. Any repair work that needs to be done should, therefore, be carried out by Volkswagen Service® exclusively.

Caution
- Always insert CDs with the printed side facing the front passenger side.
- Please ensure that you do not drop the CD while removing it from the magazine.
- Only 12 cm standard CDs should be used, not 8 cm single CDs. Only round CDs should be inserted in the CD slot. "Special shape CDs" cannot be played and will damage the CD player.
Sound, sound focus and volume

This section describes how the sound character and the volume of different sound sources can be set individually.

Fig. 12 Sound main menu
- Press the button \(T\) page 2, fig. 1 \(O\) to open the Sound main menu.

Function keys in Sound main menu:
- Fader - Tactile or Bass settings ⇒ fig. 12.
- N - Volume setting for the mid-range frequencies.
- Balance - Sound focus setting left / right.
- Equal - Sound focus setting front / rear.
- Volume - Opens the volume set-up where individual volume settings can be made for the different audio sources ⇒ fig. 13.

Function keys in the volume set-up function:
- GALA - The setting for the sensitivity of the speed-dependent volume adjustment (GALA). The volume of the audio source will be increased automatically by GALA as the road noise increases at higher speeds. The volume will be increased more the further the control is set towards the right.
- Telephone - Minimum volume for telephone conversations.
- NAV Min. - Minimum volume for navigation system announcements.
- Max vol. - The traffic announcements are muted as long as a yellow bar can be seen next to the function key.
- Initial volume - Sets the minimum volume for when the unit is switched on.

Note
- By pressing buttons \(\) page 2, fig. 1 \(\) and status button \(\) at the same time, you can reset the MFD2 radio navigation system to the factory settings. The message Default settings being made. Please wait is shown.

Vehicles with a sound system.

14 Radio / CD / Sound

Navigation

Overview

How does the navigation system work, and how is it operated?

An optimal route is defined using sensors, satellites and traffic reports and the driver is then guided to his or her destination.

The current vehicle position is determined using a system of satellites (GPS - Global Positioning System). Sensors in the vehicle measure distances that have been driven. Measured values are compared with the detailed map material on the navigation CD and corrected with the assistance of TMC traffic announcements as necessary. An optimal route to the destination is determined in this way.

Navigation announcements and direction arrows are shown on the screen and in the central instrument, guiding you safely and conveniently to your destination. You can drive to a given address in towns you are unfamiliar with, or drive to the nearest garage or be guided to a hotel.

In this chapter, answers can be found to the following questions:
- What rules do I have to keep when using the navigation system ⇒ page 15, “Safety”
- How do I use the navigation CD ⇒ page 16, “The navigation CD”
- Can I listen to music when using the navigation system? ⇒ page 16, “General notes”
- What happens if I leave the recommended route ⇒ page 16, “General notes”
- Can a navigation announcement be repeated ⇒ page 15, “Announcement of navigation recommendations”
- How does the MFD2 radio navigation system respond when driving in an underground car park or a tunnel? ⇒ page 16, “General notes”
- Can I enter destinations ⇒ page 16, “Destination entry”
- How can I enter garages, restaurants or hotels as destinations ⇒ page 21, “Special destinations close to the address”
- Can I store destinations in a memory? ⇒ page 21, “Destination memory”
- What parameters can I set for route calculations? ⇒ page 26, “Parameters for route calculation”
- What can I see on the screen? ⇒ page 28, “Map and symbol displays”
- Can I stop the route guidance function before reaching my destination? ⇒ page 34, “Route guidance”

Safety

The navigation system determines the position of the vehicle, the direction and distance and the route to a selected destination without taking traffic regulations into account. Navigation recommendations are given as announcements by the system. Direction arrows are also shown on the screen. The destination is covered when the vehicle is stationary. The route guidance function is designed for cars and is thus unsuitable for larger commercial vehicles.

WARNING
- Please observe the laws of road traffic legislation when following the recommendations made by your navigation system.
- Route guidance is subject to constant changes despite the information about one-way streets, pedestrian zones, etc. stored on the navigation CD. Information on traffic lights, speed limits and stop signs varies as well as lane restrictions.
The navigation CD

Inserting the navigation CD
- Press the button [ ] page 2, fig. 1. to eject any CD in the CD slot.
- Remove the CD and insert the navigation CD with the written side facing up.
- Push the CD into the slot until the MFD2 radio navigation system pulls it in. The program stored on the navigation CD is loaded. Do not remove the navigation CD before the loading process is finished.

General notes

You can continue to listen to the radio or CD (via the CD changer) whilst you are being guided to your destination.

When entering a address (town, street), only those letters or symbols which make up a logical entry will be presented. A list of possible names will be shown. Do not forget to enter the blank space in names made up of more than one word, such as High Wycombe.

The route will be recalculated if you leave or disregard the route that was originally calculated. This process takes only a few seconds.

The last announcement made can be repeated. The volume of a navigation recommendation can be changed whilst it is being made.

A variety of different information on the route can be called up during active route guidance. The scroll function can be used to page through lists shown on the screen, either by line by line or page by page.

If the display "Off Road" appears on the screen, it means you are located on a non-digitalised street, e.g. on a farm track. The GPS satellites will not be able to reach your aerial when you are in a tunnel or underground gable, meaning that the unit orients itself via the wheel sensors. If you try to carry out a route calculation in this situation you may hear the announcement: "You are located on a non-digitalised street". Drive on until the display "Off Road" disappears.
**Destination entry**

**Starting destination entry**

Two addresses can be entered for the route calculation: the address of the destination and the address of the stopover destination.

![Image](image_url)

**Fig. 15 Destination**

- Press the key [NAV] to enter the Navigation main menu ➔ page 2, fig. 1.
- Press [Destination] or [Stopover] in the Navigation main menu ➔ page 17, fig. 14 to select between the destination entry options.

You will see a message that states that a destination has not yet been defined if the destination is being entered for the first time. The last used destination will be displayed if a destination has already been entered.

There are various methods of entering a destination or a stopover destination. The procedure for entering a stopover destination is the same as for the destination.

- **New Address** ➔ Enter the destination using town and street names ➔ page 18, "Entering a new address (town, street, house number)."
- **Last dest.** ➔ Enter a restaurant, a garage, an airport, border crossing etc. as a destination ➔ page 21, "Special destinations close to the address."
- **In last used dest.** ➔ The position were you were located when you last pressed button ➔ page 2, fig. 1 is entered as the destination.
- **Mark on map** ➔ Mark your destination on a map using a crosshair ➔ page 22, "Destination on the map."
- **Enter the longitude and latitude of a destination ➔ page 22, "Position destination."
- **Travel guide** ➔ Select a destination from the travel guide. A travel guide is only available on certain navigation CD-ROMs. Further search functions depend on the content of the travel guide.
- **Edit memory** ➔ Store, delete or edit destinations in the destination memory ➔ page 25, "Destination memory."
- **Ref. stopover** ➔ Deletes the entered stopover destination.

Fig. 16 Stopover destination

Fig. 17 Entering a new address

- Press [town] or [street] or [house number] to enter the name using the letter selection function.
- Enter the letters or numbers by turning and pressing the menu knob.
- You will see a list of names or numbers in the lower half of the screen. Press ➔ page 25 to enter the list.
- Select a name from the list by turning and pushing the menu knob. You can scroll through several pages of the list using the scroll markers ➔ page 5 and ➔ page 5 and confirm your selection by pressing ➔ page 5.

Press [town to info] to select a special destination close to the destination address (town, street etc.) that you have already entered.

Fig. 18 Entering a town name

- The keys [town] and [town center] will not be active if a town name has not been entered.

**Note**

Enter an intersection and house number as described.
Last destinations

The last destinations that have been used will be stored automatically.

**Fig. 19** Last destinations

**Fig. 20** Deletig last destinations

Making a selection from the last destinations

- Press ➔ page 18, fig. 15 (last dest) to make a selection from the list of the last used destinations ➔ page 18.

- Turn the menu knob to make a selection from the list of the last used destinations ➔ fig. 19. Press [ ] to make an address fully visible if it cannot be read fully.

- Press the menu knob to select the address marked in yellow. The Navigation main menu will appear with your selected address after a few seconds.

Deleting the list of last destinations

- Starting in the Navigation main menu ➔ page 17, fig. 14 press the following function keys: (Destination), (last memory) and [ ] (Delete last dest)

- Select [Cancel] or [Delete] when confirmation is asked for. If you select [Delete], all of the last destinations, including the current destination, will be deleted.

The addresses collected in the last dest. memory can only be deleted all at once, not individually. A total of 14 last destinations can be stored in the memory. A destination will not be stored in last dest. until route guidance has started. If you are not able to store any more destinations, the destination memory is full. Delete either the last destinations memory or destinations from the destination memory ➔ page 25.

Addresses from the destination memory

- Press ➔ page 18, fig. 15 (from dest memory) to see a list of the stored destinations.

- You can move a yellow column by turning the menu knob. Press [ ] to make an address marked in this way fully visible if it cannot be read fully.

- The address marked in yellow will be activated if the menu knob is pressed. The Navigation main menu will appear with your selected address after a few seconds.

You will be shown a message if the destination memory is full. Some of the destinations should then be deleted manually.

**Fig. 21** Complete destination address

**Fig. 22** Special destinations close to the address

Special destinations close to the address can be selected from a list.

- Press ➔ page 19, fig. 17 (Close to address) to select a special destination close to the destination address (town, street etc.) that you have already entered. Special destinations of the same category, e.g. restaurants, will be displayed in a list. The nearest destination will be shown in the first position.

**Note**

- If you have not changed your destination address entry, the area close to this last destination will be analysed and the special destinations there will be listed.

- The type and number of special destinations will be determined by the content of the Navigation CD.
Destination on the map

A crosshair can be used to mark a destination on the map.

- Press ⇒ page 18, Fig. 15 [Dest. on map].
- Use the right-hand function keys to move the crosshair to your required destination.
- Use [2] or [3] to alter the scale to suit your search strategy ⇒ page 30, "Changing the scale".

**Note**
The next section of the map will be shown after a few seconds when the crosshair is moved to the side of the screen.

Position destination

A destination can be entered using the exact coordinates for longitude and latitude.

- Move the yellow frame to the arc minutes and then to the hundredth of an arc minute.
- Press the menu knob again and enter the required figure.

Germany, for example, lies between 17° and 54° northern latitude and 6° and 14° eastern longitude. The route guidance function cannot be started if the figure entered are not within this area and the navigation CD for Germany has been entered. Use the following data to estimate the position of your location:

- For latitude, 1° corresponds to approximately 111 km, 1 arc minute approximately 1.85 km and 1 hundredth of an arc minute approximately 0.03 m.
- For longitude, 1° corresponds to approximately 69 km, 1 arc minute approximately 1.15 km and 1 hundredth of an arc minute approximately 0.02 m.

Storing destination, stopover destination, flagged destination or location

Storing different destinations means giving them a name and storing them in the MFD2 radio navigation system.

**Note**
If you set the longitude higher than 100° or lower than 0°, the E will be replaced by a W or western.

**Fig. 25 Editing the memory**

- After entering a new address, press (starting from the Navigation main menu ⇒ page 17, Fig. 14 [Destination [Ed. memory]).
- Press [More des.] to open the letter input menu.
- Enter a name for your destination, e.g. "Mr Smith" or "Holiday home".
- Press [OK] to save the destination with the name.

The destination can now be called up from the memory as you need it. The name should be short and clear. You can also use the names that are suggested.

You enter the destination name in the same way used for entering a street name ⇒ page 19.
Renaming destination

- Starting in the Navigation main menu ⇒ page 17, fig. 14 press [Destination] followed by [Edit memory] then [Renamer destination].
- Turn the menu knob to move the yellow bar to the name that you wish to change.
- Press the menu button to call up the entry function for the letters.
- Edit the name ⇒ page 19.
- If, however, you wish to keep the original name and not the new one, press the [ESC] button ⇒ page 2, fig. 1. Your alteration will not be stored.

Fig. 27 Renaming a destination

Sorting destinations

The various different addresses in the destination memory are stored chronologically according to their entry date and can be sorted at a later date according to your requirements.

Fig. 28 Sort: Select

- Starting in the Navigation main menu ⇒ page 17, fig. 14 press [Destination] followed by [Edit memory] then [Sort destinations].
- Turn the menu knob to move the yellow bar to the destination that you would like to delete and then press the menu knob.
- Press [OK] to store the address in the new position. Sort: Select now appears again at the top of the screen.

Fig. 29 Sort: Store

Deleting individual destinations or the entire destination memory

You can, in contrast to the "last destination" memory, delete individual destinations from the destination memory.

Fig. 30 Deleting destination memory

Deleting an individual entry

- Starting in the Navigation main menu ⇒ page 17, fig. 14 press [Destination] followed by [Edit memory] then [Delete destination].
- Turn the menu knob to move the yellow bar to the destination that you would like to delete and then press the menu knob.
- When asked for confirmation, press [Delete]. If you do not wish to delete the destination, press [Cancel].

Fig. 31 Deleting the entire destination memory

- When asked for confirmation, press [Delete]. If you do not wish to clear the destination memory, press [Cancel].

The other destinations will be moved down if you move a destination to a position that is already occupied.

www.westfaliaT4.info - a useful website for owners and enthusiasts of VW Westfalia T4 Campervans
Parameters for route calculation

Route options

- Press **Route out** in the Navigation main menu ⇒ page 17, fig. 14.

A short route might be quicker for your purpose in larger towns or cities where there are a lot of traffic jams. Route options can be altered whilst the route guidance function is active. The changed parameters will be used as a basis for the calculation of the remaining journey.

Function keys in the route option menu

- **Fast** or **Short**: Determines whether a fast or short route should be calculated.
- **Dynamic**: Dynamic route guidance responds to traffic reports broadcast by TMC stations. This function will automatically guide you around traffic jams or blocked roads.
- **( ) Enter to go to ( )**: Determines whether motorways, ferries or toll roads should be used. These options will, however, be used for calculation if there is no other logical route to the destination (e.g., an island is to be used without using a ferry).
- **( ) Store**: Stores the selected settings for future route guidance usage.

Dynamic route guidance

An announcement that there are traffic jams on your route will be made if a traffic jam is registered. You will also be warned directly before the traffic jam itself.

Once the dynamic route guidance function has been activated, you will be informed if the route is being recalculated due to traffic problems if any have been registered.

Traffic problems are indicated by a symbol on the map:
- Traffic jam ⇒ fig. 33
- Slow-moving traffic
- Road closed

The navigation system will calculate the quickest possible route when the dynamic route guidance function is active. The system might well guide you through a traffic jam if the diversion would be longer.

- **Note**
  - The dynamic route guidance function will only function if you are receiving at least one TMC radio station.
  - The MFD2 radio navigation system will automatically look for a new TMC station if you leave the reception area of the one you are using. The station you are listening to, however, does not have to be a TMC station.
  - The dynamic route guidance function will always use motorways, ferries and toll roads.

Entering your position

- Press **Set** in the Navigation main menu ⇒ page 17, fig. 14 to enter the vehicle position.
- Press **Position selection**. The entry window for the street appears. The entry for the street is made after you have made your entry and confirm it with YES. After confirming the name of the street you will see a list of the streets which have an intersection with the named street.
- Select the intersection and confirm your choice by pressing the menu knob.
- Now enter your position either before or after this intersection in metres and also enter the direction of travel using the plus and minus signs.
- Confirm your entry by pressing **OK**. The screen display will return to the Navigation main menu.

Entering your position on the map

- Press **Position** and then **Position map** to see your set position on the map. The scale of the map can be altered using the two top left-hand function keys.
- Press the **Position** button ⇒ page 2, fig. 1 twice to return to the Navigation main menu.

Starting the demonstration

- Press **Demo** and then select **Demo**. The navigation system is activated.
- The MFD2 radio navigation system will now travel along the route virtually from start to finish if the route guidance function is started. You can listen to announcements and look at displays.

The navigation system will need some time for an exact definition of your position if you have transported your vehicle using the train or a ferry. Your position can be entered manually if the automatic definition is not successful.

**Note**
The manual position input can be used to calculate routes between any two points regardless of where the vehicle is actually located.

**Manually excluding stretches of the journey**

Stretches of the journey ahead and/or parts of the route list can be blocked manually.

**Menu for blocking and traffic jams**
- Press the traffic jam button ⇒ page 2, fig. 1, if you want to block a stretch of the route ahead.

**Entering traffic jam information**
- Press ⇒ fig. 36, if you want to enter the length of the traffic jam.
- Press the menu knob. The display will be switched to the map. You will hear an announcement that the route is being calculated. The excluded stretch of the route will be shown as a dotted blue line on the map.
- Press Cancel exclusion option to include this stretch of the route in the navigation option again.

**Blocking part of the route list**
- Press Enter exclusion. You will see a part of your route list.

---

You will be guided through a blocked area if there is no logical alternative to travelling through it.

**Note**
If you use a map CD which contains only major routes, you will have less alternative routes than if you use a CD which contains minor roads. To ensure that you do not have to make unnecessary detours, you should use a map CD containing all roads when you wish to be guided around congestion on the route.

**Map and symbol displays**

**Information in the map and symbol displays**

Information on the route will be shown in the map or symbol displays if the route guidance function is active.

**Map display**
- Autonomous active (in yellow). The scale of the map will, for example, be larger for motorway driving and more detailed when making a turn.
- Journey time or arrival time.
- Distance to destination or stopover.
- Road name.
- Vehicle position. The black arrow points in the direction of travel. The route ahead is shown as a blue line.

**Symbol display**
- Route options and TMC.
- If the dynamic route guidance function is active, the horizontal arrow is shown with a D and blocked roads are shown as an X.
- TMC. The number of TMC reports received is shown by the white dots.
- Map scale
- North.

Traffic problems are indicated by a symbol on the map:
- Slow-moving traffic
- Traffic jam
- Closed road
Changing the scale

You can choose from a total of 13 different scales.

- Press \( \text{P} \) or \( \text{P} \).

- More details. A scale display appears in the top left-hand corner when the button is pressed ⇒ fig. 40.

- Large overview. A scale display appears in the top left-hand corner when the button is pressed.

The selected scale will be shown once the menu knob is pressed or after 3 seconds.}

Changing display options

The map type and display can be selected, although some settings cannot be seen until active route guidance has started.

- Press ⇒ page 29, fig. 38 \( \text{C} \) to change the display options.

- Location - Shows your position on the map.
- Destination - Shows the area surrounding your destination.
- Overview - Shows the entire route.

The map will always be shown in the direction North at the top if you have chosen the map type Overview or Destination. In the map display option auto, a detailed map (up to 2 km per cm) with the direction of travel at the top and an overview map (up to 5 km per cm) with North at the top will be shown.

Traffic reports display

Short texts of traffic reports that have been received can be called up from a list.

- Press \( \text{E} \) in the map display ⇒ page 29, fig. 38.
- Or press \( \text{INFO} \) and \( \text{Traffic info} \).
- Turn the menu knob to move the yellow bar to the traffic report you are interested in.
- Press \( \text{F} \) to see the full text of the traffic report.}

Moving the map section using the crosshair

- Press \( \text{H} \) in the map display ⇒ page 29, fig. 38 to call up the shift function.
- Using the right-hand function keys or by turning/pressing the menu knob, move the crosshair to the destination of your choice.
- Use the scale modifications to adapt the display to suit your requirements ⇒ page 30.

The neighboring map section will be displayed if you move the crosshair to the side of the screen. This procedure can take some seconds.
Augmenting map contents

A range of symbols can be used to display additional map content.

- Press [a] in the map display ⇒ page 29, fig. 38.
- Turn the menu knob or use the right-hand function keys to move the yellow bar to the map detail you are interested in.
- Press the menu button or [OK]. A "tick" will appear next to the map detail.

Note
You can lose the overview of the map if too many map details are selected.

Route list

The route list is a list of all route sections which will be travelled through with active route guidance.

- Press [b] in the map display ⇒ page 29, fig. 33 to see the route sections of your current journey.

The route list is updated during the journey. It shows the roads that you have not yet reached. Route sections that you have already travelled will be deleted from the route list.

Note
It takes some seconds after route guidance has started for the route list to be compiled so that it can be displayed.

Position display

The current information on the position of the vehicle is shown here.

The GPS status shows the number of satellites, dots and also shows the positioning mode (NO FIX, 2D FIX, 3D FIX).
- NO FIX - The GPS reception is not sufficient to fix the position of the vehicle.
- If the position definition for NO FIX is only possible using the wheel sensors (underground garage etc.), the GPS coordinates will be displayed in grey. The GPS coordinates will no longer be shown following a long distance with NO FIX in the display if it is not possible to determine the position.
- 2D FIX - The horizontal position of the vehicle can be determined, but not the altitude information display is grey.
- 3D FIX - Position and altitude can be determined.

The altitude given is accurate to ±5 m at altitudes between 0 m and +3000 m. The system will be less accurate if the GPS reception is bad or weather conditions are poor.

The direction to the destination is shown in the form of a marking outside the compass. If the destination is not in the area displayed by the compass (i.e. to the side or behind the vehicle), the marking is shown as an arrow to the side in question.
Route guidance

Starting/stopping route guidance

- Press the button NAV to return to the Navigation main menu.
- Press Stop route if you wish to stop the route guidance function before you have reached your destination.

The route guidance function can only be started if you have already entered a destination.

Note
- You should drive a bit further if the system makes the announcement that you are not on a digitalised street before starting route guidance. The unit might have to orientate itself using the next main road.
- The active route guidance function will be interrupted if a stopover destination is entered.

Fig. 47 Ending route guidance

Press Start route. You will hear an announcement that the route is being calculated. The MFD2 radio navigation system will automatically switch to the map display.

Announcement of navigation recommendations

Navigation recommendations are made as spoken announcements and also in the display.

Fig. 48 Map display

- Press the MAP button ⇒ page 3, fig. 5.
- Press if you want to hear the current navigation recommendation ⇒ A.

You will hear the first announcement after the route has been calculated. Up to three announcements will be made before a turn has to be made to ensure that you are informed in time. A proximity bar will be shown in the display on the right-hand side of the turn arrow shortly before the last announcement is made. The proximity bar shows how far away the turning point is. The distance to the next change of direction will be shown in the display after you have turned.

You will receive a recommendation for a lane or roads with more than one lane that then separate off in different directions.

You will also be told which exit to use off a roundabout before you enter it, e.g., that you should leave by the second exit. This announcement will then be repeated when you are travelling around the roundabout.

An announcement will be made when you reach your destination. You will be informed that you have reached your destination if it is on a digitalised road. If it is not on a digitalised road, you will be informed that you have reached the destination area. The latter may occur if you have entered the destination using coordinates and it is not on a road.

⚠️ WARNING

You, as the driver, must concentrate on the spoken announcements and also on the traffic around you. The recommendations made on the basis of the information on the CD may differ from what you actually see due to incomplete data or a different road layout (e.g., due to road works). Please keep to traffic regulations and ignore the navigation recommendations if necessary.

- Traffic signs and legislation always have priority over the recommendations made by the system.
- Please observe the important safety warnings ⇒ page 15, "Safety".

Note

The direction arrow in the map display will be faded out if you are travelling in the same direction for an extended period.

www.westfaliaT4.info - a useful website for owners and enthusiasts of VW Westfalia T4 Campervans
**Information and system settings**

**Information**

The MFD2 radio navigation system stores text and spoken announcements made by the radio stations and draws up a route list whilst the route guidance function is active.

**System settings**

In the system settings menu, you can select different languages for the displays and spoken announcements, and adjust the screen brightness.

---

**Note**

The list of announcements cannot be opened whilst a traffic announcement is being made, as it is also being recorded.

---

**Function keys in the Info menu**

- **TIM messages** - Displays the software version installed in the MFD2 radio navigation system.
- **Route list** - Displays a list of the streets on the route to the destination. Use the menu keys to change the street list that are on your navigation route.

**Function keys in the Settings menu**

- **Language** - Shows a list of available languages for display tests and spoken announcements.
External units

Calling up external units

Calling up external units
- Press the key [AUX] ⇒ page 2, fig. 1 to enter the AUX main menu.

Function keys in the AUX main menu

[AUX] - switches to an auxiliary audio/video source.

Setting - Settings for the auxiliary unit to be connected to the system.

- A\&V: The unit AV1 or AV2 delivers audio and video signals (sound and picture).
- AUDIO: The unit delivers audio signals only.
- VIDEO: The unit delivers video signals only.
- OFF: There is no auxiliary unit connected.

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Afterword

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Printed in Germany
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For the sake of the environment
This paper was bleached without the use of chlorine.