

Infotainment System - Volume Drop During A Bluetooth Call



Certain vehicles equipped with a Bluetooth Sirius XM radio (model 540xxx) may have the volume drop during a Bluetooth call.

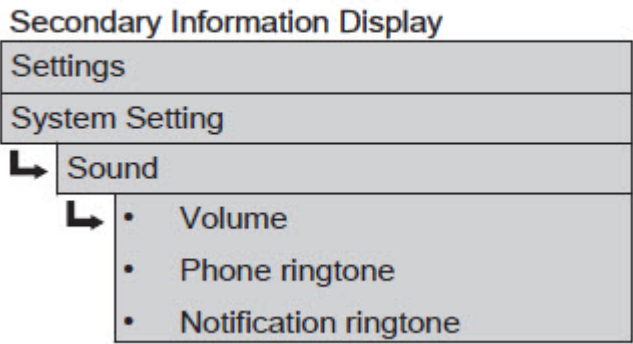
If the volume of a phone call is above 25, the radio's dynamic distortion prevention attempts to keep distortion from occurring by reducing the volume automatically.

New software is currently being developed.

Recommended Actions

During a call, the volume should be kept below 25. This is a separate volume setting from the radio volume, as shown below.

Sound Settings



More information can be found in the infotainment manual [HERE](#).

Affected Part Numbers
23100541
23100549

NOTE: This solution will be updated as more information is available

[volume drop](#)

[bluetooth call](#)

[volvo](#)

[mack](#)

Related links and attachments

[Infotainment_manual](#)



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01

SEM First-Time Authorization..... 2

Infotainment, Overview..... 3

Settings, Infotainment System..... 9

Telephone..... 13

Mobile internet via USB..... 14

Radio..... 15

Bluetooth®..... 18

Media Players..... 20

Streaming Services..... 23

WEB & APPS..... 24

Camera..... 26

Navigation System..... 27

SEM FIRST-TIME AUTHORIZATION

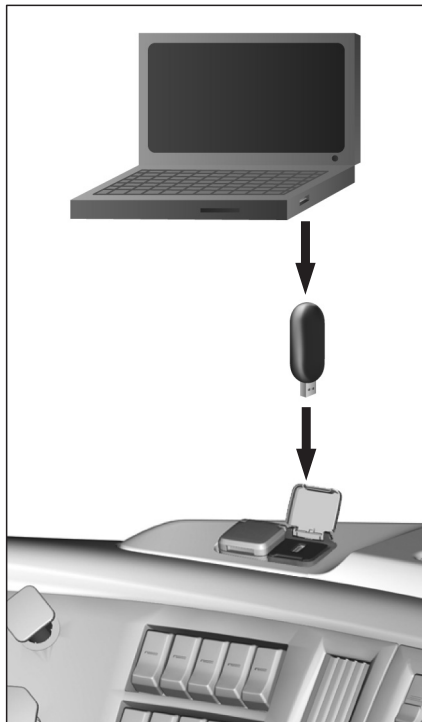
Service and Entertainment Module (SEM) First-Time Authorization

ⓘ NOTE

In order for the SEM to gain access for first time authorization or software updates, the module must be connected to the internet via an open Wi-Fi network or internet enabled mobile device.

The first time the Service and Entertainment Module (SEM) is activated the software will update, and will validate your vehicle for future updates.

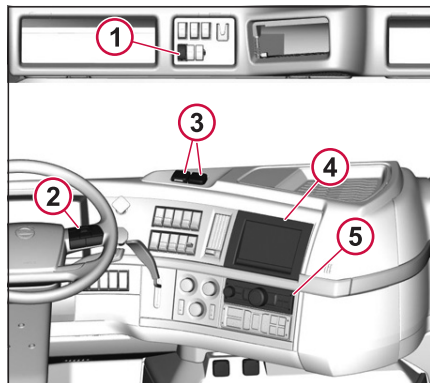
Map Updates



J351176

If an update that is too large to be completed over the Wi-Fi connection becomes available, the SEM will display a message alerting the driver. The map can be updated by completing the following steps:

- 1 Go to www.volvotrucks.us and click on the Customer Log In link.
- 2 Log in using the information provided by your Volvo dealer.
- 3 Select the Infotainment App.
- 4 Follow the instructions on the website to download the update to a portable USB drive.
- 5 Insert the drive into the SEM USB port.
- 6 The SEM will restart automatically if necessary.



J350371

- 1 Microphone
- 2 Steering Wheel Keypads
- 3 Single USB/12V Input
- 4 Secondary Information Display (SID)
- 5 Control Panel

The USB Input can also be used for charging device.

The infotainment system includes a number of Android-based functions and applications. There are several ways of controlling the functions of the applications, including:

- SID touch screen display
- SEM faceplate or control panel buttons
- Steering wheel switches and buttons
- Voice Recognition - can be activated by the PTT (Push to talk) faceplate button or the steering wheel switch (long press of the call button)

When using the audio system, the channel and song information from the radio, streaming services or media player are shown in the display. With a telephone connected, you can scroll in the phonebook contacts, phone via the display or with voice control, and speak into the phone via the microphone and speakers.

You may also use your connected phone or other USB device to listen to music and look at photos or films in the display.

Under WEB & APPS there are several practical applications, for example a browser, weather and a calculator.

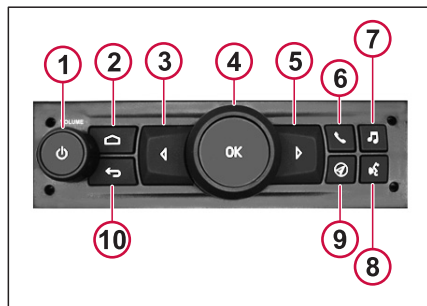
- Volvo's integrated navigation system uses the secondary information

display in order to show map information during navigation.

- When the truck's camera is used, the video image is shown in the secondary information display.

For traffic safety reasons, certain functions will not be available when the truck is moving or speed is above 0 km/h (0 mph).

Activating the Infotainment System

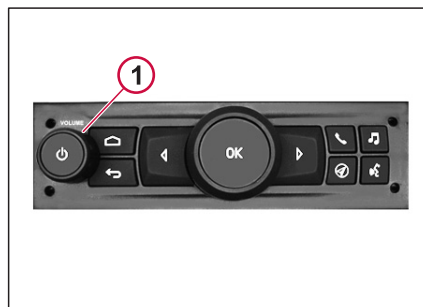


J352549

- 1 ON/OFF/Volume Button
- 2 Home Button
- 3 Seek Backwards
- 4 Cog Wheel/OK Button
- 5 Seek Forward
- 6 Phone Button
- 7 Radio Button
- 8 Long Push to Talk Button
- 9 Navigation Button
- 10 Back Button

- 1 Press the ON/OFF button on the control panel to activate the Infotainment system.

- 2 Select the audio screen by pressing one of the direct buttons AUDIO, PHONE and so on.
ex.(Use the shortcut buttons to select the active screen.)



J350370

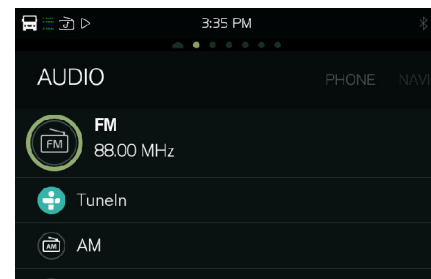
- 1 ON/OFF Button

Selecting Tab Via Menu

You can also select the tab via the infotainment system menus by using the touch pad or the cog wheel/OK.

- 1 Use the touchpad or cogwheel/OK to access and navigate menus.

- 2 Select the desired source in the main menu.



J350373

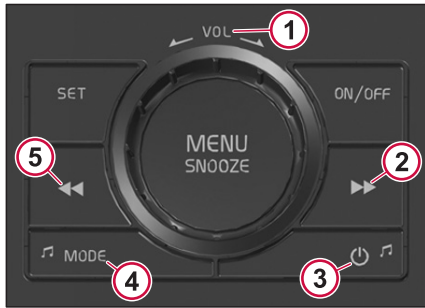
Many of the functions are controlled or adjusted via the system's menus and submenus.

Activating the Infotainment System from the Rear Control Panel

You can switch the infotainment system on and off from the rear control panel, as well as select source and change the volume.

- 1 Select "TURN ON", and then select the source via the menu.
- 2 Select "TURN OFF" to switch off the infotainment system.

Change the audio volume by turning the knob.



J350378

- 1 Audio Volume Control in LECM
- 2 Seek Forward
- 3 Power ON/OFF
- 4 Mode/Audio Source Button
- 5 Seek Backward

Settings

The “System Settings” menu contains configuration menus for wireless, network, audio, language and system information.

Some of the most used functions can be found in the basic menu “SETTINGS.”

Some of the most commonly used settings can also be found in other functions.

Certain functions can thereby be through different locations within the menu structure.

Infotainment System, Operation



J350380

The Secondary Information Display (SID) shows information from the infotainment system, such as audio, phone, browser and other applications. The navigation system and the camera can also display, if the truck has these functions. The display has its own menu and can show pop-up messages from each respective function.

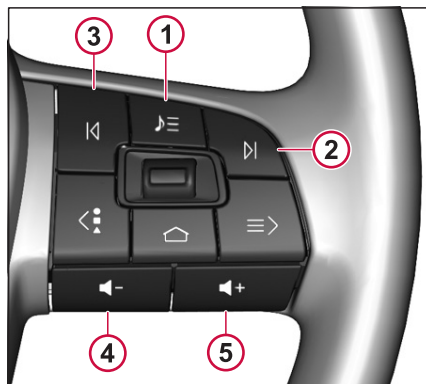
The functions can be controlled from several different control panels in the cab, with voice control and directly with the touchscreen function in the display.

Navigating in the Display

Use the touchscreen function to navigate with the control panel or the steering wheel keypad.

Many applications can also be used with Push to Talk.

Keypad In The Steering Wheel



J350381

- 1 Audio Source
- 2 Navigate Right (Next)
- 3 Navigate Left (Previous)
- 4 Volume Down
- 5 Volume Up



J350389

- 1 Accept Incoming Call/ Long press Push to Talk
- 2 Ends/Decline Call
- 3 Mute

Control Panel



J350390

The control panel has direct buttons for audio, phone, and navigation system. One press of the button opens the correct tab in the display.

Turn the “OK” button to browse up and down through the menus, and use the arrow buttons to browse horizontally. One press on “OK” confirms a selection.

To go back one level, press “Back”.

Switching OFF



J339491

ON/OFF Button on the Radio Head

- A short press of the button switches the display OFF. Press again to turn it back ON.
- Press and hold the button (10 seconds) restarts the infotainment system.

Voice Control

Many applications and functions can be voice controlled. Long press the “Call/ Push to Talk” steering wheel button to activate voice control or can you can use the control panel button. The display then shows the features that are available for voice control.

- If you would like help with voice control, say “Help” and you will hear some tips. Say “CANCEL” when you have heard enough.
- Start by saying which application you want to use, for example “PHONE.” A voice will then ask you what you want to do, for example “who do you want to call?”

- Start with the address and then the town/city in TomTom® Trucker

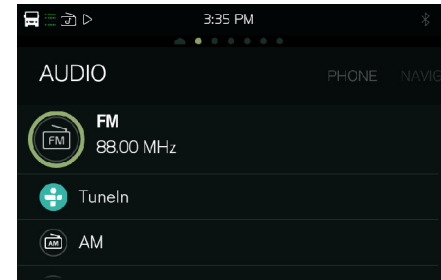


J339621

Icon, Push to Talk

Some applications do not support voice control.

Menu



J350373

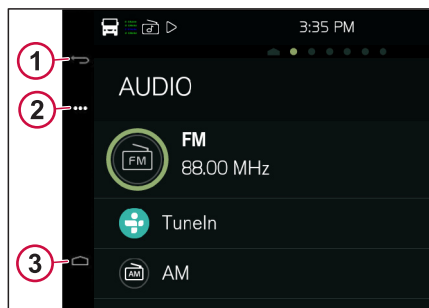
Infotainment System, Start Page

The menu options shown in the display depend on the truck’s equipment. A greyed out menu option means that this function is not available. Use the arrow buttons on the control panel or swipe your finger sideways across the display.

- **AUDIO**

- PHONE
- NAVIGATION
- CAMERA
- WEB & APPS
- SETTINGS

Hotkeys



J350616

Buttons in the display's left-hand margin

- 1 To return to the previous page
- 2 “MORE”, menu with content depending on tab
- 3 Short press: back to start page (Home)
Press and hold: displays recently used applications screen

Icons at the Top of the Display

Icons for active functions, applications and services are shown along the top of the display.

Along the left-hand side are the applications, for example Messages, TomTom® Trucker, Radio, Audio ON/OFF.

Along the right-hand side are active connections such as GPS, Bluetooth®, Wi-Fi®, Telephone and more.

Place your finger on the icons to expand a list containing further information or view the current date.

Settings

The brightness of the display is adjusted with the control on the light switch.

Wireless and Network

Connecting to a Network

The infotainment system has several options for connecting to networks/ internet. It is possible to connect via Wi-Fi®, Bluetooth® or by sharing a connection from a USB connected device.

Creating a Network

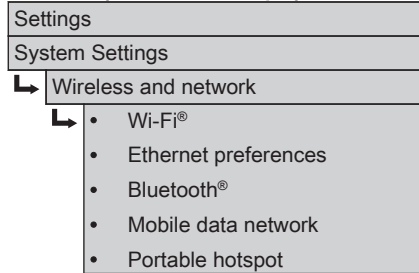
The infotainment system can create its own Wi-Fi® network. This provides the option of connecting other devices via the Wi-Fi® in order to share an Internet connection, for example, from a 3G/4G or Bluetooth® device.

Prioritizing In Cases Of Several Connections

When there are several active network connections, the connection will be used in the following order of priority:

	1. Wi-Fi®
	2. 3G/4G in USB socket
	3. paired telephone/media devices via Bluetooth®

Secondary Information Display



Wi-Fi®

In this menu you connect the Infotainment System to an existing Wi-Fi® network.

The networks that are accessible are shown in the menu. Click on the desired network and enter the password, if required.

If the network has a hidden SSID (network name), the menu selection “add Wi-Fi® network” can be used. Input the network configuration manually.

Reconnection and Prioritized Connection

The system automatically reconnects to previously connected networks where these are available.

Wi-Fi® connection has the highest priority of all connections. If you have

several connections and want for example to connect to Bluetooth® the Wi-Fi® connection must be deactivated.

Advanced Wi-Fi® Connections

The side menu includes the “Advanced” menu. There you can read the Media Access Control Address (MAC) for the device, input settings for static IP address and channel settings for Wi-Fi®.

Bluetooth®

In this menu you handle Bluetooth® connections, the Infotainment System Bluetooth® name and whether it is to be visible to other Bluetooth® devices.

Options

The functions “Device Name”, “Discoverable” and “Dual Mode” can be found here.

- “Device Name” - This shows the name that other Bluetooth® devices see when they are paired with the Infotainment System. It may be changed, if necessary.
- “Discoverable” - With this function activated, other Bluetooth® devices can see the name of the Infotainment System.
- “Dual Mode” - With this function activated, two Bluetooth® devices can be connected simultaneously.

Scan For Devices

This is where you can start a search for Bluetooth® devices within range.

All devices within range that are visible will be shown in a list.

Click on the device you wish to pair with.

A maximum of 10 devices can be paired in the list. In order to find and pair further devices, there must be vacant places in the list.

Mobile Data Networks

Use USB Device

This is where you can connect to the Internet via a USB port.

Connect a USB modem (3G/4G) into the USB port.

There is a USB port in the instrument panel.

Use Bluetooth® Shared Connection®

Here you can enable the Infotainment System to connect to Internet via Bluetooth®. Internet sharing must also be enabled on the connected Bluetooth® device.

Portable Hotspot

The Infotainment System can create a Wi-Fi® network or hotspot. This provides

the option of connecting other devices in order to share an Internet connection, for example, from a 3G/4G USB modem or Bluetooth® device.

Configure Wi-Fi® Hotspot®

In order to create a network you have to input a number of properties.

- Network name (SSID)
- Security level
- Password (at least 8 characters)

Then select the check box for the “Portable Wi-Fi® hotspot.”

Other devices can now connect to the infotainment system and share its network connection.

Sound

Sound Settings

Secondary Information Display

Settings
System Setting
↳ Sound
↳ • Volume • Phone ringtone • Notification ringtone

Volume

Some functions may have a default volume setting.

- Multimedia
- AUX
- Notification
- Ringer, Telephone Call Level
- In Call Volume

Phone Ringtone

There are a number of call tones for incoming calls to choose between.

Notification Ringtone

There are a number of ring tones to choose between for notifications.

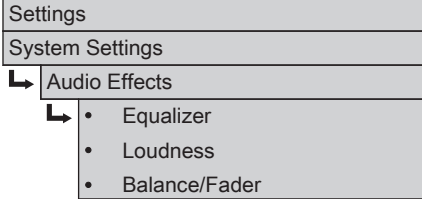
⚠ NOTE

TomTom® Trucker has its own settings for audio and notifications.

adjusts the volume between the front and rear speakers.

Audio Effects

Secondary Information Display



Equalizer

Settings for audio quality: These can be adjusted manually, or select one of the preset alternatives.

Loudness

The loudness level can be adjusted at three levels.

- Low
- Medium
- High

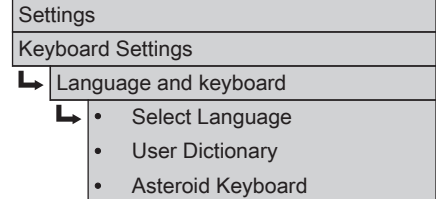
Balance/Fader

Balance and Fader adjustment

Balance adjusts the volume between the right and left-hand speakers. Fader

Language and Keyboard

Secondary Information Display



Language Settings

Changing the language results in a reboot, the Infotainment System will restart. Reboot takes approx. 2 minutes.

User Dictionary

This function enables you to add words that you frequently use. The words will then appear as suggestions when you are writing a message.

Words or pairs of words can be added.

Keyboard Settings

Asteroid Keyboard

Settings for adjusting the keyboard in the display:

- Sound on Keypress
- Pop-Up on Keypress
- Touch to Correct Words

SETTINGS, INFOTAINMENT SYSTEM

- Auto Capitalization
- Show the Setting Key
- Input Language

Settings for spelling assistance:

- Quick Fixes
- Show Suggestions
- Auto Complete

Advanced Settings

Secondary Information Display

Settings
System Settings
↳ Advanced Settings
↳ • Privacy • Storage

Privacy

This menu allows resetting of the Infotainment System to factory settings. All personal data will be erased. This menu can be used, if the truck is sold to a new owner.

ⓘ NOTE
Factory setting erases all personal data.

About

Secondary Information Display

Settings
System Settings
↳ About
↳ • Update Product • Versions • Legal information • Faceplate Version • Vehicle Gateway versions

Versions

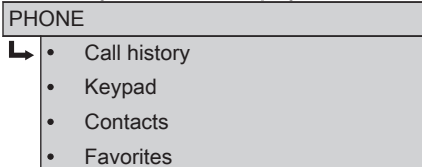
System information is shown here.

Bluetooth® Hands-Free Telephone

A mobile telephone with Bluetooth® can be wirelessly connected to the infotainment system. The system will then function as handsfree for the telephone. The truck loudspeaker and microphone are used. The microphone is located in the panel above the windshield on the driver side.

Some mobile telephone functions can be controlled from the control panel, steering wheel keypad and via menus in the display.

Secondary Information Display



Pairing and Connecting

When the infotainment system starts, telephones within range that are paired will be connected to the system.

The telephone's contact list will synchronize once it is connected. During the short time it takes to synchronize, no other activities can be carried out.

Accepting, Declining, or Ending a Call

Press OK on the control panel, the Answer button or the green handset icon to answer incoming calls.

Cancel or reject the call by pressing the End button.

(The phone's Answer and End buttons are both on the steering wheel's left-hand keypad.)

Making a Call

Telephone numbers for calls can be specified in various ways:

- Keypad
- Contacts
- Favorites

Call History

In the call history, you have access to telephone numbers from your previous calls.

They are grouped into:

- Dialed
- Missed
- Received

Keypad

Use the keypad to dial a number.

To use the "+" symbol, keep the "0" button depressed slightly longer.

The keypad will not be available when the truck is in motion.

Contacts

You can also search for names in "Contacts". Press the search button to search contacts.

In "More" menu, there are further options concerning sorting your contacts.

Favorites

A favorite contact is a contact that has been marked as a favorite in the infotainment system. This favorite marking is not transferred to the telephone.

If the mobile phone's pairing is deleted, the favorite marking, call history, and contacts will also be deleted.

Transferring a Call Between Hands-Free to Mobile Phone

The call can be transferred from handsfree to the handset. Press the icon to speak using the mobile phone. Transfer the call back to handsfree by pressing the icon again.



Icon, Transferring Calls Between Handsfree and Mobile Phone

J339135

Muting the Microphone

Turn the microphone off by pressing the icon.



Icon, Microphone OFF

J339163

Connected Telephones

List of Connected Telephones

In the menu “Phone Management” only connected and paired mobile phones are shown. If any other Bluetooth® device without a phone function is within range, it may be connected and consequently prevent connection of a phone.

All connected devices are shown in the Bluetooth® menu in System Settings.

If there are no telephones connected, only the “Add Phone” menu will appear.

! NOTE

Only mobile telephones are shown in the “Phone Management” menu.

Wireless USB Connection

Mobile Internet Via USB

A wireless USB device can be connected in order to establish an internet connection. In order to make use of this connection, the function must be activated in settings.



Icon, Connected 4G

J350623

Prioritized connection

The USB will be used when there is no Wi-Fi network available.

	1. Wi-Fi®
	2. 3G/4G in USB socket
	3. paired telephone/media devices via Bluetooth®

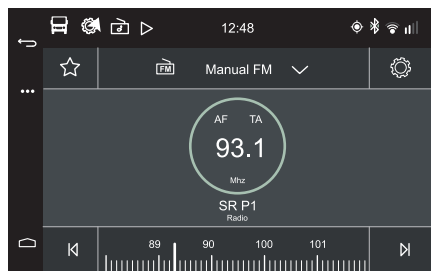
AM/FM Radio

Analog Radio

A radio with frequency band for AM/FM is integrated in the truck's Infotainment System.

You can control the radio's functions with the Secondary Information Display (SID) menus and control panel, or the steering wheel keypad.

AM/FM



J350675

Radio View for Manual Search.

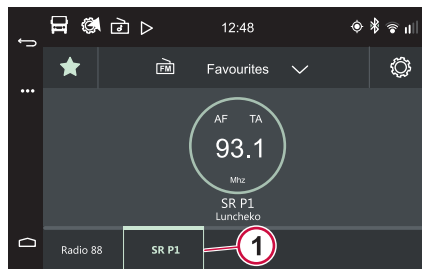
Selecting Audio Source

The Secondary Information Display (SID) starts on the "Home" tab. To change the audio source press the AUDIO button.

Change Between Favorites

When the radio's favorite view is shown:

- Touch one of the previously saved radio stations at the lower edge.



J350677

1 List view with favorites

Use the rear control panel buttons to change between preset radio stations.

Tuning

When the radio's play view is shown:

- Press **K** or **D** to scroll the cursor forwards or backwards in the frequency band.

Or

- Press one of the arrow buttons in the display to search along the frequency band.

Scan Mode

- Press the star in the Secondary Information Display (SID) to save the station in the next available position.

RDS Functions



Icon, Settings

J339120

Radio Data System (RDS), links together FM transmitters in a network and includes functions such as:

- Alternative Frequency (AF)
- Traffic Announcements (TA)
- News (NEWS)

! NOTE

Some of the RDS functions may not be available in some markets.

Alternative Frequency (AF)

The frequency range for FM stations is fairly limited. For this reason, many stations broadcast on alternative frequencies in different areas. By using the AF function, the driver can listen to such a station without interruption and does not need to tune the radio manually between the different areas.

The first time a radio station is searched for after AF has been activated, the radio will create an internal list of available stations. A further search is made on the

basis of the list, which makes the search faster. The list is sorted according to station RDS codes and the stations may not be set in order of frequency during an AF search.

Activate the AF function in the menu under radio settings (the cogwheel). Touch the line for AF to tick (activate) or untick (deactivate) the box. When the AF function is active, the display shows the AF symbol.

Traffic Announcement (TA) and News

This function allows the radio to play back the traffic or news announcements even if an audio source other than the radio is selected. The volume is set automatically in order for the announcement to be heard.

The volume level for traffic or news announcements can be changed by adjusting the volume during an announcement. The radio then saves the volume setting for traffic or news announcements.

Activating Traffic Announcements

Activate the TA function in the menu under radio settings (the cogwheel). Touch the line for AF to tick (activate) or untick (deactivate) the box. When the traffic announcement function is active, the display shows the TA symbol.

Activating News

Activate the News function in the menu under radio settings (the cogwheel). Touch the line for AF to tick (activate) or untick (deactivate) the box.

Rejecting Traffic or News Announcements

Press "Home" or press directly in the display to reject a message.

Important Public Announcement

Important Public Announcements and alarm messages can be transmitted via the radio in the event of serious events that affect the public in general. When an Important Public Announcement is sent, "ALARM" is displayed and the volume is adjusted to the same level as for traffic announcements. The function cannot be deactivated.

PTY, Program Types

Select a type of program that interrupts the current audio source and switches to radio when a program of the selected type begins. If you are interested in the economy, for example, select the "Economy" program type. The next time a program with PTY code "Economy" starts, the radio program will take over automatically.

You can reject the program and resume listening to a previous audio source by

pressing “Home” on the steering wheel
or control panel, or directly in the display.

Bluetooth® General

A mobile phone, tablet, computer or other media device that supports Bluetooth® can be connected wirelessly to the truck's infotainment system. You can also use your mobile phone, share internet connections and stream music files and audio books.

The truck speakers and microphone are used. The microphone is located in the panel above the windshield on the driver side.

⚠ NOTE

Mobile phones, smartphones, tablets and computers can vary regarding the functions they support in the Bluetooth® standard. Certain deviations from the function descriptions can occur.

Pairing and Connecting

Pairing

Secondary Information Display

Settings

↳ System settings

↳ Wireless and network

↳ Bluetooth®

Before a Bluetooth® device can be connected to the truck's infotainment

system, it must first be paired with the system. Pairing is performed once per device and means that the device and the system "recognize" each other and can automatically reconnect. This is achieved by using Secure Simple Pairing (SSP) or a code.

Pairing of a Bluetooth® device can be performed in the infotainment system phone menu or in the system settings for Bluetooth®.

Pairing a New Device

If the Bluetooth® device supports Secure Simple Pairing (SSP), then this is the simplest method to use. Otherwise, the verification in the pairing is done with a numbered code.

Check that the device you want to pair has Bluetooth® activated and is visible.

- 1 Press "Add Phone" and "Scan for devices", or use the "SETTINGS" menu.
- 2 Scroll down the menu and select the device you wish to pair with.
- 3 A code will now be shown in the respective display. Check that the codes agree. Verify by pressing OK on both devices.
- 4 If you do not use Secure Simple Pairing (SSP) or if the Bluetooth® device does not support it, you will be prompted to enter a numeric code

into the device. Enter the same code in the truck's system. The code is optional and is only used in this step.

If there is a free location available, the device will automatically connect to the infotainment system following pairing.

Number of Paired Devices

There can be a maximum of 10 Bluetooth® devices in the list of paired devices. In order to pair further devices, space must be made by removing one or more pairing from the list.

Click on the device you want to remove from the list and select "unpair."

⚠ NOTE

There can be a maximum of 10 paired devices.

Connecting a Paired Device

Connecting

Two Bluetooth® devices can be connected simultaneously to the Infotainment System. In order to connect two devices, the "Dual Mode" function must be activated in the Bluetooth® Settings.

Connecting Automatically

At start-up, the system will search for devices in the list of paired devices.

Devices that are available will then be connected automatically. If “Dual Mode” is activated, another device will be connected if there is one available.

During connection, the Bluetooth® contact list will be synchronized with the Infotainment System. During synchronization, which takes a short while, no other pairings or connections may be made.

Displaying Connections

When the Bluetooth® is turned on an icon will appear at the top of the Driver Information Display. When a device is connected the icon will be highlighted.



Icon, Bluetooth® Device Connected

J339084

Connect Manually

If connection does not take place automatically, you can connect devices manually.

Click on the device you want to connect and select “Connect.”

Alternatively, you can connect to the infotainment system from the Bluetooth® device.

NOTE

The Bluetooth® function must be active for all connections. See the instructions for use for each device (mobile phone, tablet, etc.).

Internet Sharing

If internet sharing is available from the Bluetooth® device, an additional icon will be displayed.

Internet sharing must be active both on the Bluetooth® device and in the infotainment system.



J339087

Icon, Internet Sharing Active Via Bluetooth®

Prioritizing in Cases of Several Connections

The Bluetooth connection will be used if there is no Wi-Fi or 3G/4G connection.



1. Wi-Fi®



2. 3G/4G in USB socket



3. paired telephone/media devices via Bluetooth®

Disconnecting From a Device

The Bluetooth® device is disconnected automatically when out of range (approx. 10 meters (33 ft.), from the truck).

Select “Disconnect Device” from the menu to disconnect the device manually.

Removing Paired Connections

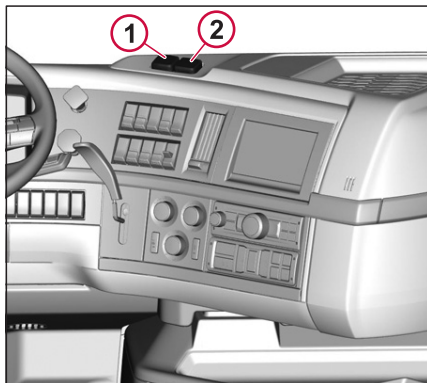
Browse to the device you want to remove from the list.

Select “disconnect.”

Media Players

It is possible to connect an external media player such as an iPod, USB or AUX device to the infotainment system.

You can control the functions with the Secondary Information Display (SID) menus and control panel, or the steering wheel keypad.



J350673

1 USB Port

2 12 Volt Input

Connections for external audio inputs are USB located in the dashboard.

A USB device and an AUX device can be connected and be available simultaneously.

The following applies when a USB device is the audio source:

- Use **K** or **N** to change to the previous or next track.
- Press and hold **K** or **N** to fast forward/rewind the current track.
- Press MUTE to pause playback.
- Press again to restart playback.
- Navigate directly in the display to select specific folders or music tracks.
- Navigate directly in the USB device if the device allows this.

You can use the rear control panel to change to the previous or next track. The symbols are on the buttons.

Play From The USB Device

Connecting

Connect your phone, music player or USB memory stick to the socket and select your device from the list on the "AUDIO" tab. You can now see and play your music, switch between different music applications and streaming services via the media player.



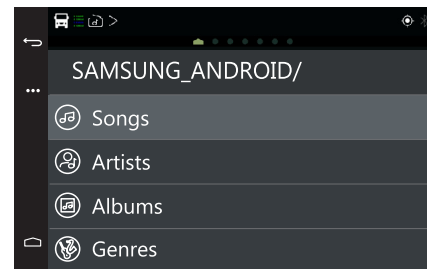
J339493

Icon, USB Device Active in the Media Player

Menu

Select the device you want to play music from in the list on the "Audio" tab. A menu shows the available functions or folders, although this can vary slightly depending on the device being used:

- Songs
- Artists
- Albums
- Genres
- Playlists



J339492

Menu from Phone.

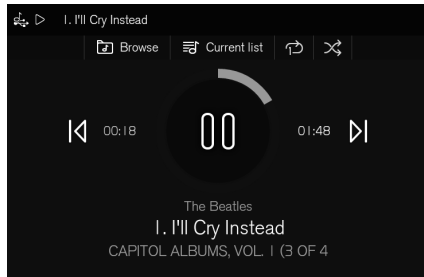
Alternative media players on the USB device can be used to play audio files via the infotainment system:

Start the application in the device.

- Change track with ⏮ or ⏭.
- Press MUTE or in the middle of the audio display to pause the playback.
- Or control the application from the playing device.

Control playback directly from the infotainment system's display, for example:

- Search for music in another folder
- Look through your Favorites playlist
- Select option



Playback Alternatives in the Media Player

NOTE

Which functions are available and what information can be displayed in the play view depends on which application is used.

Play from the Bluetooth® Device

Connecting

You can play music directly from a paired and connected phone or other device.



J339495

Icon, Bluetooth® Device Active in Media Player

The infotainment system supports Bluetooth® streaming of audio files through the truck's loudspeaker system. You do not need to have a music service or application installed on your mobile phone or media device.

- 1 Go to "AUDIO" in the menu and select your device.
- 2 Start the music service or the application on the mobile phone or media device, if this does not take place automatically.

The following applies to Bluetooth® streaming:

- Use ⏮ or ⏭ to change to the previous or next track.
- Press MUTE to pause playback.
- Press again to restart playback.
- Adjust the volume and change sound track in the playing device.

NOTE

The maximum number of songs that the SEM can play from any Bluetooth or USB connected device is 1000.

Battery Consumption

Remember that the Bluetooth connection discharges the battery in your phone faster than normal use. The driver should use the USB connection to charge the phone while using Bluetooth.

Bluetooth and USB-connected media devices are very similar in their functionality.

AUX

Connecting An Audio Source To The AUX Socket

- 1 Connect the external audio source to an AUX socket located in the Living Environment Control Module (LECM) panel.

MEDIA PLAYERS

- 2 Select “AUX” in the menu.
- 3 Adjust the volume on the external audio source.

Note that changing tracks, fast forward/rewind, etc. must be carried out directly on the external audio source.

NOTE
For more information refer to Living Environment Control Module (LECM) section.

Services, Introduction

All streaming services are found in the Start "Home" tab. Before you can start using the services, you need to connect to the Internet.

Streaming services often require online registration before you can use the service. There can also be differences between services that are free and paid services.

Certain streaming services allow downloads and saving music or pods for offline listening.

Registration is not required to listen or save favorites, but you can register for free at *tunein.com* if you wish.

ⓘ NOTE

If the service does not work, check first that you have an Internet connection. You may also have to register or, in certain cases, pay to gain full access to the service.

Streaming Services



Tune In®

J353081

TuneIn®

TuneIn® is a free streaming service with a wide range of music and talk shows.

Web and Apps

You will find the apps on the Home tab “WEB & APPS” in the display. There you will find a calculator, map and weather app, amongst other things. Different conditions apply to different apps; some require GPS or Internet connection. There are also apps that are inactive during driving.

In the WEB & APPS tab you can find shortcuts to all the apps, even those in the main tabs. Only apps that do not have a tab of their own are described here.

! NOTE

App updates are received automatically. You can choose whether you want to install them directly or wait to do so. Only updates are possible, no new apps can be installed.

Web Browser



J339044

Mozilla Browser which you can find in the “MORE” menu or on the WEB & APPS tab. You can use the web browser

when the truck is stationary or below 0 km/h (0 mph), after which it is blocked. Browser requires an internet connection in order to function.

! NOTE

If you engage reverse gear when using the Browser, it will close down. The reversing camera is shown in the display. The display returns to the web browser.

Calculator



J339042

The infotainment system contains a basic calculator. Open advanced options via the quick selection menu in the left-hand margin of the display.

The calculator can only be used directly on the secondary information display and is active during driving.

Gallery



J339057

You can look at photos and videos from a USB memory stick on the secondary information display.

The infotainment system reads your images and videos directly from the USB memory. When the USB memory stick is removed, the material is erased from the system and can no longer be viewed.

The gallery can be used when the truck is stationary or is moving below 0 km/h (0 mph). Once the vehicle is moving the gallery option is blocked.

! NOTE

No material is saved in the infotainment system once the USB memory stick has been removed, all the files are erased from the system.

Maps



J360411

The SEM uses Tom Tom Trucker for its Navigation application. It will start automatically by selecting Navigation in the start menu.

Weather



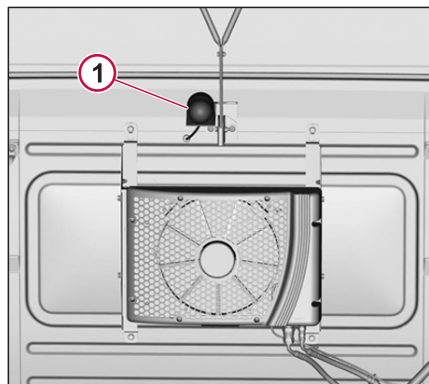
J339080

The weather app automatically displays the weather at your present location. If you want to show the weather for another location, you have to enter it via the display as this cannot be done by pointing on the map.

The weather service requires both GPS coordinates and an internet connection in order to function.

Camera

The camera is a tool that makes it easier to keep a view behind the truck, such as when reversing and parking. The Service and Entertainment Module (SEM) can support up to one camera to be installed per truck.



J350779

1 Camera

Activating the Camera

Start the camera manually by:

- selecting "CAMERA" in the Secondary Information Display (SID) menu.

The camera starts automatically when you engage the reverse gear.

The camera has a quick-start function and starts a few seconds after the truck has started.

(In cold weather, there may be a short delay before a good picture is obtained.)

CAUTION

The ring around the camera lens cannot be unscrewed. Do not try to remove it by force, as this could cause permanent damage. Contact an authorized dealer for more information.

Switch OFF the Camera

The camera is switched off automatically when reverse gear is disengaged. The manual camera selection can allow the user to view the camera display when the reverse gear is disengaged.

(There is a short delay before the image disappears from the display.)

Settings

Secondary Information Display

Camera

↳ Auto Settings

The Auto Settings menu allows the user to decide if the camera will automatically display when the reverse gear is engaged.

Navigation

The TomTom® Trucker navigation system leads you to your destination by showing your position and route on a map. The distance to the next turn off as well as the distance and remaining driving time to your destination are shown simultaneously in the display. When voice guidance is activated, driving instructions are provided via the loudspeakers in advance of a new route option. TomTom® Traffic ensures you receive information about accidents, roadwork or other traffic incidents. The system suggests an alternative route.

The truck's ability to pass some roads may be limited by the truck's size, weight and load. With this information entered, the navigation system can select the most suitable and practicable roads to use when calculating the route.

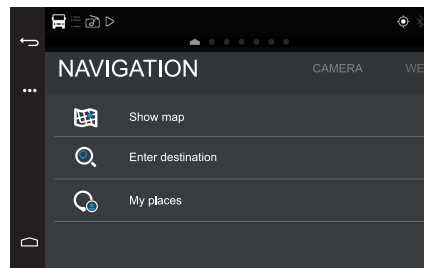
! NOTE

The Tom Tom Trucker application requires an internet connection in order to provide live traffic updates.

The Secondary Information Display (SID) shows the map. The functions are controlled via the navigation system's menu directly in the display. Use the control panel or steering wheel key pad.

The map information is stored in the navigation system's main unit. Updates

to map information are carried out by authorized dealers.



Start Page, TomTom® Trucker

J334904

! NOTE

The purpose of this product is only to function as an aid for travelling and must not be used for precise measurement of direction, distance, location or topography. Volvo makes no warranty regarding the completeness or precision of the map data in this product. For details refer to the Term of use at end of chapter.

! NOTE

Only operate the navigation system when the traffic situation allows it, or when the truck is stationary.

GPS Signal

A GPS signal is a requirement for the TomTom® Trucker application to function. The icon for GPS is in the upper right-hand corner.

When the icon is lit GPS is active.

When the dot in the middle flashes, the GPS is locating its position. TomTom® Trucker may not be fully functional until its location is established.

During GPS outages, such as tunnels, TomTom® Trucker is designed to continue to operate using internal sensors.

As soon as the GPS has located the position, ongoing navigation is resumed and you can use TomTom® Trucker fully again.



J339095

Icon, GPS

Menu Overview

The navigation system's start menu contains the following functions:

- Show map - Starts and shows a map or active route.

NAVIGATION SYSTEM

- Enter destination - Create and manage new and existing destinations and routes.
- My places - Displays a list of stored points.

When the map view is open, the main menu can be found under the icon in the lower left-hand corner. There you can choose to search for places or points of interest, drive to various locations, edit and adjust other settings.

You can also point directly on the map to bring up a quick menu of the map's various functions.



Main menu in the map view

J335201

Find Address

Use the virtual keyboard to type in an address. Select either of the two following input methods:

- 1 Use ◀ or ▶ and the cogwheel to move up/down to mark a letter or number, and press to select. The system autofills and suggests alternative addresses.

- 2 Enter directly using the on-screen keyboard.
- 3 Press "Push to Talk" on the steering wheel and say the address.

Display The Map



J350393

Map View, General

- 1 Toggle between map and route directions
- 2 Zoom in and out.
- 3 Your present position, note that the arrow is grey if there is no signal.
- 4 Main menu

- 5 Press and hold any position or icon on the map for options.

Show the truck's current position on the map without following any route with the "Show map" menu option.

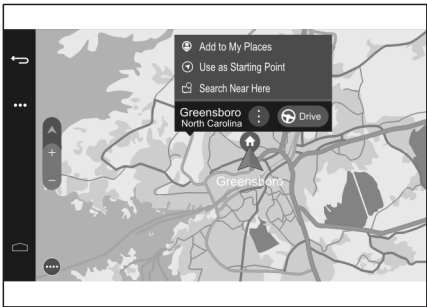
Zoom in on the map using any method as follows:

- Zoom in on the map with the cogwheel.
- Turn the Cog wheel/OK button in the control panel.
- Touch the plus or minus symbols in the display or "pinch" with your fingers on the map.

Quick Menu in the Map

Keep your finger at the desired location on the map to access a quick menu. Touch the button with white dots for options or "Run" to access a route to your chosen destination. For example, you can select to add the location to "My Places," start a route from the location or search for points of interest in the vicinity.

Keep your finger on a relevant route, marked position or points of interest for further options. Depending on the configuration of the navigator and the location you are pointing at, you will be given various options in the menu.



Quick menu in the map

J350392

Drive To – Places and Routes

Volvo's integrated navigation system leads you to your destination by showing your position and route on a map.



Icon, My Places

J335193

Using Route Guidance

NOTE

Route management is not available during ongoing guidance.
If you choose to access Route management during ongoing guidance you will see a prompt in the display asking if you want to cancel the current route.

My Places

Secondary Information Display

MAIN MENU

➔ My Places

In order to save a location in "My Places" point directly on the touchscreen or access via the "Main Menu" and "Search" to enter an address or point of interest.

"My Places" can be accessed either through the start menu on the first page or via the "Main Menu."

Here you may select a location to drive to, or edit your previously-saved places.

Current Route

Secondary Information Display

Main menu
└─ Current route

The navigator opens automatically with the most recent route active. The most recent route remains “Current Route” until you close it by selecting “Close Route.” Note that if you close down a route without saving it in “My Routes,” it will disappear.

You can choose to edit a route while it is still active. For example, you can add and remove points, change destination and select the types of roads you want to avoid.

All the editing tools can be found under the “Current Route” icon. Certain editing functions can also be found under the quick menu in the map.



Icon, Close Route

J335219

Creating a Route

Create a route by searching for an address, a point of interest or point to a location on the display. Point to the location and select “Drive To” from the quick menu, and TomTom® Trucker will calculate a route.

Select “Main Menu” and “Current Route” to save, make further settings, add stops or search for alternative routes.



Icon, Current Route

J335185

Save Route

Select “Current Route” and “Add in My Routes” from the menu. The saved route is now available under “My Routes.”



Icon, Add in My Route

J334917

When the route is active, you can add the addresses you want to pass on the way. Select either by searching addresses or point on the map and choose to add to the “Current Route.”



Icon, Add Stop

J340959

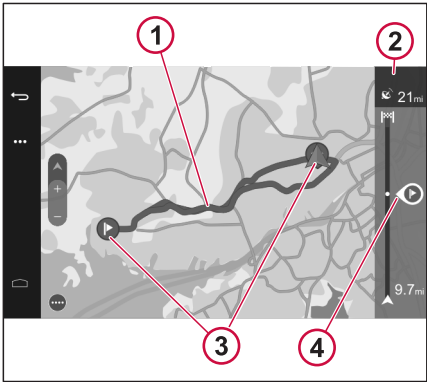
Alternative Route

In order to find shorter or faster alternatives to the active route, point to the route and select “Alternative Route” from the quick menu. The route is now recalculated, and you will see the alternative routes presented in different colors. Time or distance for each alternative is shown in the lower part of the screen.

! NOTE

For new settings to be shown, route guidance has to be restarted.

Map View with Route



J350631

- 1 Current Route
- 2 The route field is shown when you have a Current Route
- 3 Symbols on the map
- 4 Points of interest along the Route

Selecting a Pre-Saved Route

Secondary Information Display



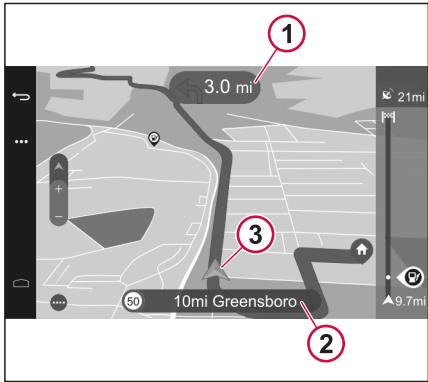
You can find a saved route under “My Routes” from the main menu.
Mark the route, open it and then choose to either drive the route or to edit it. The main menu, “Current Route” or touch the map directly for the quick menu.



Icon, My Routes

J335186

Map View Route Guidance



J350687

- 1 An instruction window displays the next turn off, distance to next turn off, name of the next road and the road lane layout.
- 2 A speed window displays local speed restrictions, your speed and the name of the road.
- 3 The arrow shows your present location.

! NOTE

Note that there may be temporary or changed speed limits.
It is your responsibility to comply with the local signage for speed limitation.

Route Settings

Route Planning

General settings for how routes are calculated, what to avoid and more for all routes can be found under the “Route Planning” icon.



Icon, Route Settings

J335222

Voice Guidance

In the bottom right corner of the “Main Menu” page is the voice guide icon. Start/stop voice guiding by touching the icon.

English is the default for languages that have no voice guidance. General voice settings can be found under “SETTINGS.”



Icon, Voice Guidance

J335195

Avoid Road Types and Obstacles

Select the icon for the “Current Route” and “Avoid Toll Roads and more.” to set if you want the route to avoid:

- Toll Roads
- Ferry Links
- Bus Lanes
- Gravel Roads



Icon, Avoid Toll Roads and More

J335194

There is separate icon for avoiding blocked roads.



Icon, Avoid Blocked Roads

J340951

Points of Interest

Add Point of Interest

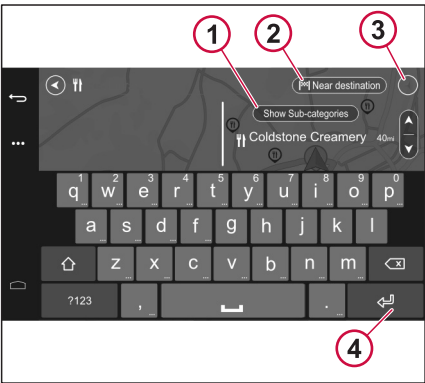
Secondary Information Display



Select “Point of Interest” by selecting “Search” in the main menu. Points of Interest can be vehicle Workshops, Restaurants, Filling Stations, etc. You can also search for types of restaurant, for example “Hamburger” or “Cafe.”

Select the area in which you want to search for Points of Interest (POI).

- From the Entire Map
- Near my Present Location
- Near a Town
- Along the Route
- Near the Destination
- Latitude – Longitude



J350697

- 1 Search in Sub-Categories
- 2 Select your Search Area
- 3 Go Back to the Map
- 4 Enter Shows the Search Results

Presentation on Map

Choose to show or hide symbols for points of interest on the map.

The table shows a selection of points of interest you can search for. There are also variations on the same themes. For example, you can search for different types of restaurant or healthcare facilities.

Symbol	Meaning
	Place of Worship
	Vehicle Workshop
	Ferry
	Hotel

Symbol	Meaning
	Parking
	Multi-Story Car Park
	Police
	Rest Area
	Restaurant
	Hospital

Symbol	Meaning
	Filling Station
	Road Toll

Settings

Navigation System, Settings

You can change the TomTom® Trucker settings in the navigation system. Show different map options and specify the conditions for setting the route, in the "Settings" menu option.

Settings

Secondary Information Display

MAIN MENU
↳ Settings



J335225

Icon, Settings

The settings include the following functions:

- Truck data; complete truck data.
- Display interface; choose how you want the information in the map to be presented.
- Voices; choose which information you want to have read aloud.
- Maps; choose how you want to view your map.

- Route planning; choose general settings for your routes.
- Audio and Warnings; choose the audio and warnings you want to hear.
- System; refer to the current system information.

Display Interface

Set the map display for use in the night or daytime. Activate for the system to change the display when it starts to get light or dark outside.

! NOTE

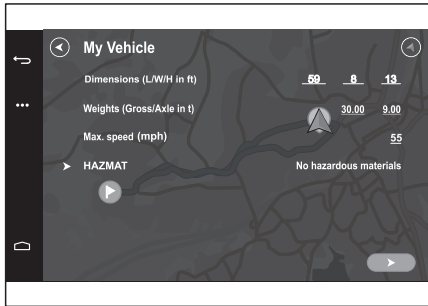
There are icons for temporarily changing light and audio settings in the lower right-hand corner on the "Main Menu" page.



Icon, Day and Night-Time Settings

J335199

Truck Data



J350777

Truck data

! NOTE

Before starting each route, confirm or edit the truck data you have previously entered. Truck data cannot be changed while driving is in progress.

TomTom® Traffic

With TomTom® Traffic activated, you will be kept advised of the traffic situation along the route. In the event of traffic accidents, roadworks and other obstructions that can cause traffic disruption, the navigation system can suggest an alternative route. You can see if TomTom® Traffic is active under TomTom® Traffic settings, "System Information."

! NOTE

TomTom® Traffic requires an internet connection in order to function.

Terms of Use

The navigation system should not be used in any way that interferes with safe and attentive operation of the truck. It is your responsibility to use the navigation system in a safe and responsible manner. Always plan your route before starting your journey. Do not operate the navigation system while driving.

The navigation system is only intended to function as an aid to driving and must not be used for precise measurement of direction, distance, location or topography. The map data, truck restrictions and driving directions may not always be complete or accurate. Always go through the route calculated by the navigation system before setting off. This is to ensure that there are no truck restrictions that would prevent the safe use of the calculated route. Volvo makes no warranty regarding the accuracy, completeness or precision of the map data, truck restrictions or driving directions in the navigation system.

The use of the navigation system in no way replaces the responsibility or vigilance of the driver when driving the vehicle. You must always remain alert to actual road and traffic conditions and obey all traffic regulations, truck restrictions and road signs. Traffic regulations, truck restrictions and road signs always have priority over any

system guidance instruction. Follow navigation system instructions only when local regulations, road signs, truck restrictions, and road traffic allow you to do so.

Volvo assumes no responsibility for any damage or injury resulting from the use of this navigation system.

2		
2D/3D Map	35	
A		
Address, Add	29	
Alternative Frequency (AF)	16	
Alternative Route	30	
AM/FM Radio	15	
Audio Books	23	
Audio Effects	11	
Audio Settings	12	
Audio System, Overview	3	
Audio	4, 15, 20	
AUX Connection	21	
B		
Battery Consumption, Telephone	21	
Bluetooth Handsfree	13	
Bluetooth, Connecting a Device	18	
Bluetooth®	9	
Brightness, Secondary Information Display	8	
Browser	24	
C		
Calculator	24	
Call Signal	10–12	
Calls, Handling	13	
Calls, Incoming	13	
Camera	3, 4	
Connected telephones	14	
Connecting a Mobile Phone	19	
Control Panel, Rear, Selecting Audio Source	4	
Current Route, Navigation	30	
D		
Display Interface, Navigation	35	
Display the Map	28	
E		
External Audio Source	20	
F		
Facilities, Navigate to	33	
Factory Reset	12	
Find Address, Navigation	28	
First-time Authorization	2	
Fleet	4	
Food, Navigate to	33	
G		
Gallery	24	
Guidance, Handling	29	
Guidance, Navigation System	29	
H		
Health Care, Navigate to	33	
Hotkeys, Secondary Information Display	8	
I		
Icons, Secondary Information Display ..	8	
Infotainment System, Operation	6	
Infotainment, Overview	3	
Internet Radio	23	
K		
Keyboard Settings	11	
Keyboard	6	
L		
Language settings	11	
Light, Navigation	35	
M		
Map Settings	34	
Map Updates	2	
Map View	28	
Map	25	
Media Player AUX	21	
Media Player, Bluetooth®	21	
Media Players, USB	20	
Media players	20	
Menu, Infotainment	4	
Menu, Navigation System	27	
Microphone, ON/OFF	14	
Mobile Data Networks	10	
Mobile Internet via USB	14	
Mobile Phone, Connecting	18, 19	
Mobile Phone, Handsfree	13	
Mobile Phone, Transferring a Call	14	
Music Playback	20	
Music	23	
N		
Navi	4	

INDEX

Navigation System, Menu	27
Navigation System, Terms & Conditions for Use	36
Navigation System	3, 27
Network	9
Notification Signal	10–12

P

Pairing a Device via Bluetooth	18
Personal Data	12
Phone	4, 13
Photos	24
Pocket Calculator	24
Podcast	23
POI = Point of Interest	33
POI Symbols	33
Points of Interest	33
Police	33
Position	25
Prioritized Connection	9, 14, 19
PTY, Program Types	16
Push To Talk	6, 7

Q

Quick Menu in Map	28
Quick Menu, Navigation	27

R

Radio, Favorites	15
Radio, News	16
Radio, Tuning	15
Radio	23
RDS Functions	16
Rear Control Panel	4

Restaurant, Navigate to	33
Route Management	29
Route Settings	32
Route Type	30

S

Secondary Information Display, Control Panel	7
Secondary Information Display, Main Menu, Touchscreen	7
Secondary Information Display	6
Settings, Navigation System	34
Settings, Secondary Information Display	8
Shortcuts, Secondary Information Display	8
SID (secondary Information Display) ...	6
Sound Settings	10
Speed Restriction Apps	3
Streaming	23
Surf	24

T

TA Traffic Announcement	16
Telephone	13
Terms of Use Navigation System	36
TomTom® Traffic	27, 35
TomTom® Trucker	27
Traffic Announcements (TA)	16
Traffic Information, Connection	36
Traffic Information, Navigation System	35
Traffic Safety	3
Truck Data	35

TuneIn®	23
---------------	----

U

USB Connection	20
USB Dongle	14

V

Videos	24
Voice Control	6, 7
Voice Direction Guidance	32
Voice Guidance	32

W

Weather	25
Web Browser	24
Wi-Fi®	9
Wireless USB Connection	14

Z

Zoom the Map	28
--------------------	----

