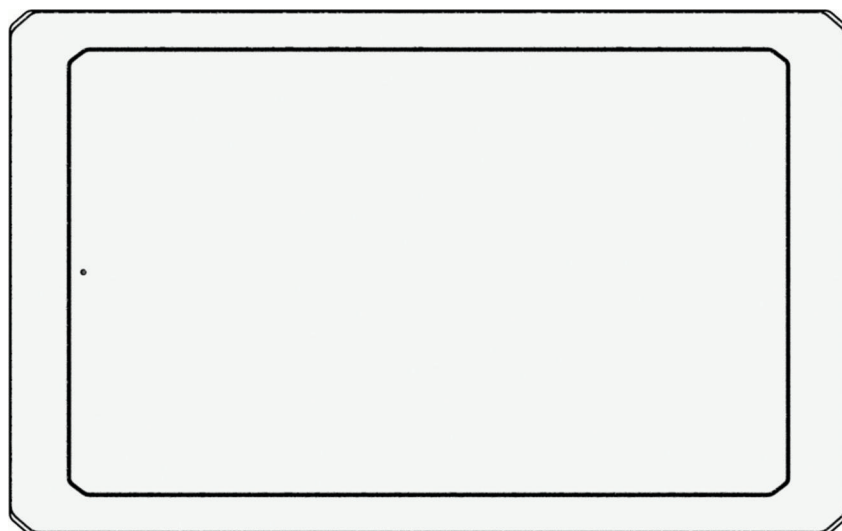


GARMIN®



GARMIN SERV™ / GARMIN SERV+™

Owner's manual

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Getting started


WARNING

See the *Important Safety and Product Information* guide in the product box for product warnings and other important information.

Using the Touchscreen

- Tap the screen to select an item.
- Drag or swipe your finger across the screen to pan or scroll.
- Pinch two fingers together to zoom out.
- Spread two fingers apart to zoom in.


Turning Off the Display

- 1 Select  to turn off the display.
- 2 Tap the screen to turn on the display.

Opening an App

The home screen contains shortcuts for frequently used apps. The app drawer contains all of the apps installed on your device.

Select an option:


- Select an app shortcut from the home screen.
- Select , then select an app.

Changing the Background Image

- 1 From the home screen, select **Settings > Display > Wallpaper**.
- 2 Select an album, then select an image.

Adjusting the screen brightness

You can adjust the brightness using either the notification panel or the settings menu.

- 1 Select an option:
 - Swipe down twice from the top of the screen to expand the quick settings in the notification panel.
 - Select  > **Display > Brightness level**.
- 2 Use the slider bar to adjust the brightness.

Voice Command Feature

WARNING

This feature allows you to command the device to perform actions that may not be safe to do while driving. Failure to use commands when appropriate could result in property damage or a possible accident resulting in serious personal injury.

You can control the Garmin SERV and the system devices using your voice.

Say "OK Garmin" to wake up the device. You can then say a variety of phrases to control the system. For example, you can speak a room name, a device name and a command, such as "OK Garmin, Kitchen light brighter".

This is a list of commonly used voice commands, but the device does not require these exact phrases, other than the wake-up phrase or "OK Garmin". You can try saying variations of these commands in a way that is natural to you.

NOTE: this feature is not available in all languages.

Enabling Voice Commands

- 1 Select **Settings > Vehicle Integration > Voice Command > Enable Voice Command**.
- 2 Select **Wake screen on "OK Garmin"** to allow the device to listen for voice commands when the screen is off.

Voice Command

NOTE: the device must be properly configured by the vehicle manufacturer to control vehicle equipment with voice commands. Not all commands will work in all vehicles.

Devices	Commands	Examples
Air conditioner	On Off Temperature	Living room air conditioner Switch the bedroom cooling on Turn off the AC Set the temperature to 68
Blinds	Open Close Day	Close all blinds Open the kitchen blinds Move the window shades to day position
Lights	On Off Low Medium High Brighter Darker	Turn the outdoor lights on Set bedroom light to medium Kitchen light brighter
Exhaust fan	On Off	Turn on the exhaust fan Turn off kitchen ventilation
Fan	On Off Low Medium High Auto	Turn off the fans Set living room fan to low Bedroom fan speed high
Heater	On Off Temperature	Turn on the heat Living room heater off Bedroom heating on Living room 72 degrees
Water heater	On Off Gas Electric	Turn off the water heater Turn off the electric water heater Gas water heater on
Water pump	On Off	Turn the water pump on Pump off

Rooms

All
Bathroom
Bedroom

Main Bedroom
Guest Bedroom
Kitchen
Dining Room
Living Room
Entrance Stairway
Floor
Ceiling
Garage
Outdoor
Awning

Media Examples

NOTE: requires connection to a properly configured Fusion® stereo.

Play Music
Pause Music
Resume
Next Song
Previous Song
Increase Volume
Decrease Volume
Mute
Unmute

Digital Switching

Your Garmin SERV switching display can be used to monitor and control circuits using an EmpirBus™ digital switching system or another compatible digital switching system.

For example, you may be able to control the interior lights in your motorhome.

Opening the Digital Switching Controls

You can open the digital switching controls from the home screen.

Select **Motor Home Controls**.

A list of available Motorhome controls appears. Available controls vary with each OEM installation. Refer to the documentation provided by your manufacturer for information about available controls in your vehicle.

Settings

Connecting to a Wireless Network

- 1 Select **Settings > Network & Internet > Wi-Fi**.
- 2 If necessary, select the toggle switch to turn on wireless network technology.
- 3 Select a wireless network.
- 4 If necessary, enter the encryption key.

The device connects to the wireless network. The device remembers the network information and connects automatically when you return to this location in the future.

Display settings

Select **Settings > Display**.

Brightness level: sets the display brightness level on your device.

Wallpaper: sets the wallpaper background on your device.

Screen time out: sets the amount of idle time before the device follows the brightness level set in the Keep screen on setting.

Keep screen on: sets the screen brightness after the timeout.

Font size: increases or decreases the font size on your device.

Setting the Text Language

You can select the language for text in the device software.

1 Select **Settings > System > Language & Input > Languages**.

2 Select a language.

Date and time settings

Select **Settings > System > Date & Time**.

Use network-provided time: automatically sets the time zone based on information from the connected network.

Time zone: sets the time zone.

Use locale default: enables or disables the 24-hour time format.

Viewing E-label Regulatory and Compliance Information

Select **Settings > About device > Regulatory labels**.

Restoring the Original Device Factory Settings

Select **Settings > System > Reset Options > Erase all data (factory reset)**.

Appendix

Updating Software Using a Wi-Fi® Network

NOTICE

Software updates may require the device to download large files. Regular data limits or charges from your internet service provider apply. Contact your internet service provider for more information about data limits or charges.

You can update the software by connecting your device to a Wi-Fi network that provides access to the Internet.

1 Connect the device to a Wi-Fi network ([Connecting to a Wireless Network, page 3](#)).

While connected to a Wi-Fi network, the device checks for available updates automatically and displays a notification when an update is available.

2 Select  > **Software Updates**.

The device displays available software updates. When an update is available, **Update Available** appears.

3 Select **Download**.

4 If necessary, read the licence agreements, and select **Accept all** to accept the agreements.

NOTE: if you do not agree with the licence terms, you can select **Reject**. This stops the update process. You cannot install updates until you accept the licence agreements.

5 Keep the device connected to external power and within range of the Wi-Fi network until the update process is complete.

Cleaning the Screen

NOTICE

Cleaners containing ammonia will harm the anti-reflective coating.

The device is coated with a special anti-reflective coating which is very sensitive to waxes and abrasive cleaners.

- 1 Apply a glasses lens cleaner that is specified as safe for anti-reflective coatings to the cloth.
- 2 Gently wipe the screen with a soft, clean, lint-free cloth.

Garmin® Support Centre

Go to support.garmin.com for help and information, such as product manuals, frequently asked questions, videos and customer support.

Garmin SERV Specifications

All Models

Specification	Measurement
Temperature range	From -10° to 60°C (from 14° to 140°F)
Input voltage	From 10 to 32 Vdc
Fuse	2 A
Memory card (not included)	1 microSD® card slot; 2 TB max. card size
Wireless frequency and transmit power	2.4 GHz @ 14.3 dBm maximum
Max. Wi-Fi connected devices	10
Standby current draw	150 mA

Seven-inch Models

Specification	Measurement
Dimensions (W × H × D)	209.2 × 123.3 × 38.6 mm (8.24 × 4.85 × 1.52 in.)
Display size (W × H)	153.2 × 90.1 mm (6.03 × 3.55 in.)
Weight	386 g (0.85 lb.)
Typical current draw at 12 Vdc	0.25 A
Max. current draw at 12 Vdc	0.5 A

Ten-inch Models

Specification	Measurement
Dimensions (W × H × D)	281.2 × 176.4 × 38.7 mm (11.07 × 6.94 × 1.52 in.)
Display size (W × H)	217.6 × 136.4 mm (8.57 × 5.37 in.)
Weight	670 g (1.48 lb.)
Typical current draw at 12 Vdc	0.5 A
Max. current draw at 12 Vdc	0.75 A

Garmin SERV+ Specifications

All Models

Specification	Measurement
Temperature range	From -10° to 55°C (from 14° to 131°F)
Input voltage	From 10 to 16 Vdc
Fuse	30 A
Memory card	1 microSD card slot; 2 TB max. card size
Wireless frequency and transmit power	2.4 GHz @ 14.3 dBm maximum
Max. Wi-Fi connected devices	10
Standby current draw	200 mA
Output channels	6 high side PWM, 1 to 10A ¹
Analogue input voltage range	From 0 to 16 V +/- 1% ²
Analogue input resistance range	From 0 to 1500 ohm +/- 5%
Configurable I/O pin - max output current drive	50 mA
Digital input peak/average current (12 V)	170 mA/1 mA
Digital input weak signal low side/high side	1 mA/4 mA

Seven-inch Models

Specification	Measurement
Dimensions (W × H × D)	209.2 × 123.3 × 38.6 mm 8.24 × 4.85 × 1.52 in.
Display size (W × H)	153.2 × 90.1 mm (6.03 × 3.55 in.)
Weight	438 g (1.00 lb.)
Typical current draw at 12 Vdc with all channels off	0.3 A
Max. current draw at 12 Vdc with all channels off	0.55 A
Max. current draw at 12 Vdc	30 A

¹ Only two channels >5 A are allowed at one time.

² Input channel 5 is limited to Vin +0.5 V.

Ten-inch Models

Specification	Measurement
Dimensions (W × H × D)	281.2 × 176.4 × 38.7 mm (11.07 × 6.94 × 1.52 in.)
Display size (W × H)	217.6 × 136.4 mm (8.57 × 5.37 in.)
Weight	720 g (1.6 lb.)
Typical current draw at 12 Vdc with all channels off	0.55 A
Max. current draw at 12 Vdc with all channels off	0.8 A
Max. current draw at 12 Vdc	30 A

Network Interfaces

- Your Garmin SERV device uses a Controller Area Network (CAN) interface to connect to compatible devices on your vehicle. This interface is required for proper equipment operation and cannot be disabled.
- Your Garmin SERV device uses an Ethernet interface to communicate with other devices on your vehicle. This interface is required for proper equipment operation and cannot be disabled.
- Your vehicle manufacturer may have configured your Garmin SERV device to act as a Wi-Fi access point.
- The following services are enabled on your Garmin SERV network interfaces by default:
 - Garmin proprietary services
 - mDNS
 - Depending on the installation prepared by your vehicle's manufacturer, additional services may also be available on your Garmin SERV network interfaces, including HTTP and DHCP servers.

