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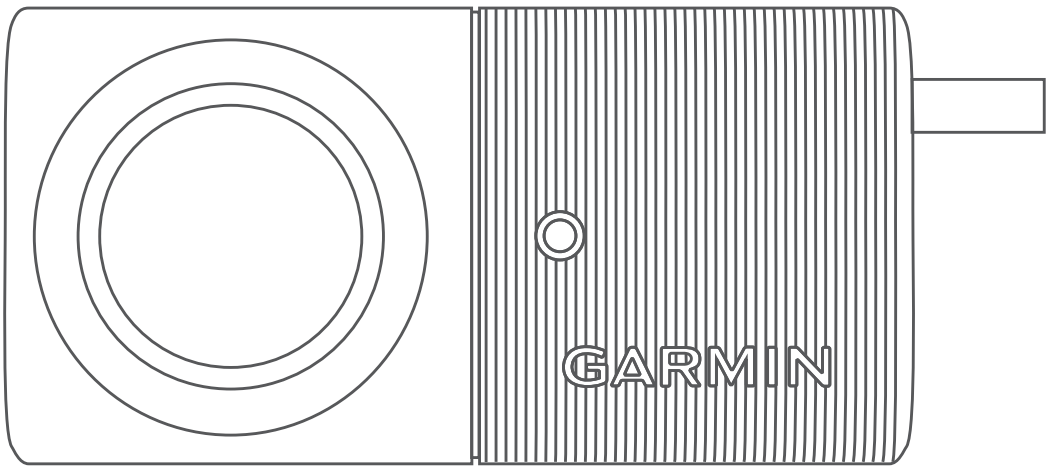

BC™ 50 NIGHT VISION

Owner's Manual

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Introduction

⚠ WARNING

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

Viewing the Backup Camera

⚠ WARNING

This device is intended to enhance your situational awareness when used properly. If used improperly, you could become distracted by the display, which could lead to an accident causing serious personal injury or death. Only access the information displayed on the device with a glance. Always maintain awareness of your surroundings and do not stare at the display or become distracted by the display. Focusing on the display could prevent you from avoiding obstacles or hazards.

Night vision is automatically activated when conditions are dark.

- If your camera is connected to a reverse lamp (recommended), place the vehicle into reverse.
- If your camera is connected to constant power, select / .
- To show or hide the camera view using voice commands, say **OK Garmin**, **Show Video** or **Hide Video**.

  NOTE: Voice commands are not available on all navigation devices. The voice commands may vary based on your navigation device model. This feature is not available for all languages or may require additional navigation device setup for some languages. For more information, see the Voice Command app or the Voice Control app on your navigation device, or the navigation device owner's manual.

Switching Cameras

When multiple backup cameras are transmitting to your device, you can switch between the views from the cameras.

From the camera view, select an option:

- Select .
- Tap the screen, and select a camera at the bottom of the screen.

The video feed from the camera appears.

Pairing a BC 50 Night Vision Camera with a Garmin® Navigation Device

You can pair the BC 50 Night Vision camera with a compatible Garmin navigation device. Go to garmin.com/BC50 for more information about device compatibility.

1. Update your navigation device to the latest software.

   Your device may not support the BC 50 Night Vision camera without the latest software. For more information about updating the device software, see the owner's manual for your navigation device.

   NOTE: The location of the camera app may vary by device model. See your navigation device owner's manual for more information.
2. Select an option:
   - Select **Settings** > **Wireless Camera** > **Add New Camera** > **BC 50**
   - From the apps menu, select **Tools** > **Wireless Camera** > ✚ > **BC 50**.
3. Follow the on-screen instructions to finish pairing and setting up the camera.
4. Select ✔ or **Save**.

After you complete the pairing process with a camera for the first time, it connects automatically to the Garmin navigation device when power is applied.

Guidance Lines

NOTICE

The guidance lines feature is intended for informational and reference purposes only. You are responsible for maintaining awareness of your surroundings.

Guidance lines provide an approximate visual representation of the vehicle's path when in reverse. To provide the most accurate reference, you must align the guidance lines for each backup camera. You should not use the guidance lines feature if you have not aligned the guidance lines.

Aligning the Guidance Lines

For the best reference points, the guidance lines should be aligned to reflect the outside edges of the vehicle. You should align the guidance lines separately for each backup camera. On some models, adjustment is automatically available after pairing a camera.

⚠ WARNING

You must ensure that the guidance lines are properly aligned before using the device and after making any camera angle adjustments. Failure to properly align the guidance lines could result in an accident or collision, resulting in death, serious injury, or property damage.

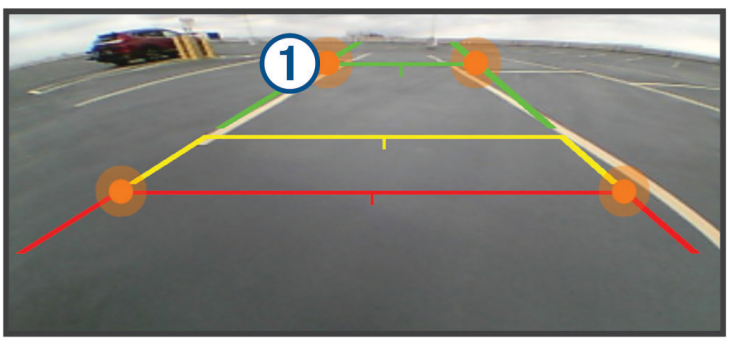
1. Position the vehicle with one side closely aligned to a curb, driveway, or parking stall lines.

   You may want to position the vehicle in the center of a parking stall, and then pull forward into the next stall. This allows you to use the parking stall lines in the rear of the vehicle as reference points for alignment.

   The curb, driveway, or parking stall lines should be clearly visible on the device.
2. Select an option:
   - From the camera view, tap the screen, and select .
   - From the camera view, select > **Adjust Video**.
3. Drag the circles on the corners of the guidance lines ①, or tap the arrows until they match the angle and position of the curb, driveway, or parking stall lines.

   The guidance lines should appear directly on top of your reference points.

   The red or orange section of the guidance lines should align with the rear of your vehicle.



4. If necessary, reposition the vehicle with the other side closely aligned to a curb, driveway, or parking stall lines, and repeat the alignment process.

   You should attempt to keep the guidance lines symmetrical, even if your vehicle is not in perfect alignment with the curb, driveway, or parking stall lines.
5. Select ✓ after alignment is complete.

Showing or Hiding Guidance Lines

1 Select an option:
   - From the camera view, tap the screen, and select .
   - From the camera view, select > **Adjust Video**.
2 Select .
3 Select ✓.

Multiple Cameras

You can pair a maximum of four compatible Garmin wireless cameras.

Switching Cameras

When multiple backup cameras are transmitting to your device, you can switch between the views from the cameras.

From the camera view, select an option:

- Select .
- Tap the screen, and select a camera at the bottom of the screen.

The video feed from the camera appears.

Changing the Camera Orientation

Depending on where the camera is placed on your vehicle, the video on your device may appear upside down or mirrored by default. You can rotate the video horizontally or flip the video vertically to correct the video.

1 From the camera view, select an option:
   - Select > **Adjust Video**.
   - Tap the screen, and select .
2 Select to reverse the image or to flip the image.
3 Select ✓.

Renaming a Camera

You can change the name that appears above a camera in the camera view. You should use a descriptive name that clearly identifies the location of the camera.

1 From the camera screen, select an option:
   - Select > **Rename**.
   - Tap the screen, and select ⚙ > **Rename Camera**.
2 Enter a camera name.
3 Select **Done** or **OK**.

Removing a Paired Camera

If you have already paired 4 cameras with your device, you must remove a paired camera before you can pair a new one.

From the camera screen of the camera you'd like to remove, select an option:

- Select > **Unpair**.
- Tap the screen, and select ⚙ > **Forget this Camera**.

Specifications

Camera and transmitter input voltage	From 9 to 28 Vdc
Transmitter fuse	2 A, fast-blow
Camera and transmitter current usage	300 mA at 12 Vdc
Water rating (camera and transmitter)	IEC 60529 IPX67[1]
Operating temperature range	From -20° to 60°C (from -4° to 140°F)
Wireless frequency	2.4 GHz @ 17.5 dBm maximum

[1] The device is protected against the ingress of dust and withstands incidental exposure to water of up to 1 m for up to 30 min. Connections and fuses must be waterproofed or stay above the waterline. The camera does not transmit underwater.