



# Garmin® HUD

## Quick Start Manual



June 2013

190-01608-00\_0A

Printed in Taiwan

## Getting Started

### WARNING

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

### Device Placement Considerations

#### WARNING

Failure to observe the following device placement considerations could result in an accident or collision resulting in death or serious injury.

- Place the device securely on the dashboard.
- Do not place your smartphone on the dashboard of the vehicle.
- Do not place the device so that it obstructs the driver's view of the road. The reflector

lens and film can be placed in the driver's field of vision.

- Do not place the device where it or the cable will interfere with vehicle operating controls.
- Do not place the device in front of or above any airbags.
- Test the device and film placement before applying the film. After the film is dry, it cannot be moved.

### Applying the Film to the Windscreen

#### NOTICE

Before applying the film to the window, check laws and ordinances in the area where you drive. Some laws prohibit or restrict the application of film to the front window. It is your responsibility to apply the film in compliance with all applicable laws and ordinances. Garmin is not responsible for any fines, penalties, or damages that may be incurred as a result of any

law or ordinance relating to the use of your Garmin device.

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Do not apply the film to a dry surface. If you apply the film to a dry surface and try to remove the bubbles, the film will be ruined.

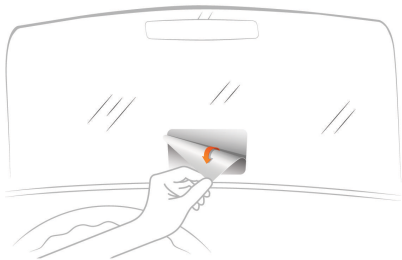
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**NOTE:** Before applying the film, test the location with the device turned on. You cannot move the film after it is applied and has dried.

You can use the included film to reflect the display onto the windshield.

- 1 Select a location to apply the film.  
The film should be in the driver's view, preferably in the center of the field of vision.
- 2 Clean and dry the windshield with a lint-free cloth.
- 3 Spray clean water on the windshield.  
The water enables the film to attach to the window.

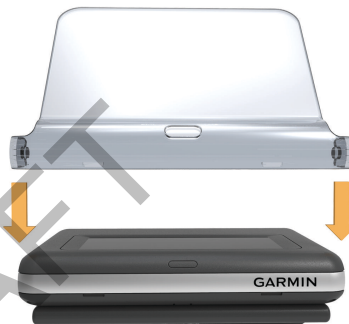
- 4 Pull the tab labeled **1** to remove the protective layer from the adhesive side of the film.
- 5 Apply the film to the window, with the protective layer **2** facing out.
- 6 If necessary, move the film to the ideal viewing location while the windshield is still wet.
- 7 Use a card to scrape the bubbles out to the edge of the film.  
Only remove the bubbles with the top layer on the film.  
The fewer bubbles in the film, the better the view of the data.
- 8 Wait three to five days for the film to dry.  
**TIP:** You can use the reflector lens while you are waiting for the film to dry.
- 9 Pull the tab labeled **2** to remove the final protective layer from the film.



### Connecting the Reflector Lens

You can use the snap-on reflector lens instead of the windscreen film. This allows you to use the head-up display in other vehicles or in areas where the film is not permitted.

Snap the reflector lens onto the device.



### Connecting to Vehicle Power

You can charge a smartphone device using the USB port on the vehicle power connector.

- 1 Plug the vehicle power cable into a power outlet in your vehicle.
- 2 Plug the other end of the device power cable <sup>①</sup> to the small hole on the device.



- 3 If necessary, plug the smartphone power cable into the USB port ②.

### Placing the Device on the Dashboard

#### **WARNING**

When placing the device in a vehicle, observe all placement considerations listed previously.

- 1 Select a location for the device (page 2).
- 2 Clean and dry the dashboard where you are placing the device.
- 3 Place the device on the dashboard.
- 4 Press the base down.

The base conforms to the shape of the dashboard.

- 5 Adjust the viewing angle as needed.

If the bottom surface of the device slides on the dashboard due to dust and dirt buildup, wipe it clean using a wet cloth.

### Connecting the Device to Your Smartphone

Before you can use the head-up display, you must connect it to your smartphone.

- 1 Plug in the device and ensure it is turned on.
- 2 Bring the smartphone and the device within 33 ft. (10 m) of each other.
- 3 On the smartphone, enable Bluetooth® wireless technology and search for devices. A list of nearby Bluetooth devices appears.
- 4 Select the head-up display in the list.

If automatic detection of paired devices is enabled on your smartphone, the device automatically connects to the smartphone every time they are both turned on and within range of each other.

## Navigation

### Display While Navigating

After you create a route on your smartphone and compatible app, the device displays routing information on the windscreen or reflector lens.



①	Distance to the next turn
②	Time to reach the destination.
③	Current speed and the posted speed limit, when available
④	Lane of travel (filled in arrow indicates proper lane)
⑤	Direction of the next turn
⑥	Side of the street the destination is

### Status Icons

	Nearby safety camera
	Traffic
	Destination
	Current speed and the posted speed limit, when available
	Vehicle exceeding the speed limit

## Specifications

Operating temperature range	-15° to 70°C (5° to 158°F)
Storage temperature range	-40° to 85°C (-40° to 185°F)
Operating voltage and current	10–28 Vdc (OVP @ 30 Vdc); typically 12 Vdc, 1.5 Amp and 24 Vdc, 0.8 Amp
USB port voltage	5 Vdc
USB port current	2.1 Amp

[www.garmin.com/support](http://www.garmin.com/support)



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## **Notice**

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two

conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

### **For P15B equipment**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device is to be used only for mobile and fixed application.

FCC approves the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. If antenna is installed with a separation distance of less than 20 cm from all persons or is co-located or operating in conjunction with any other antenna or transmitter then additional FCC testing may be required. End-Users must be provided with transmitter operation conditions for satisfying RF exposure compliance.