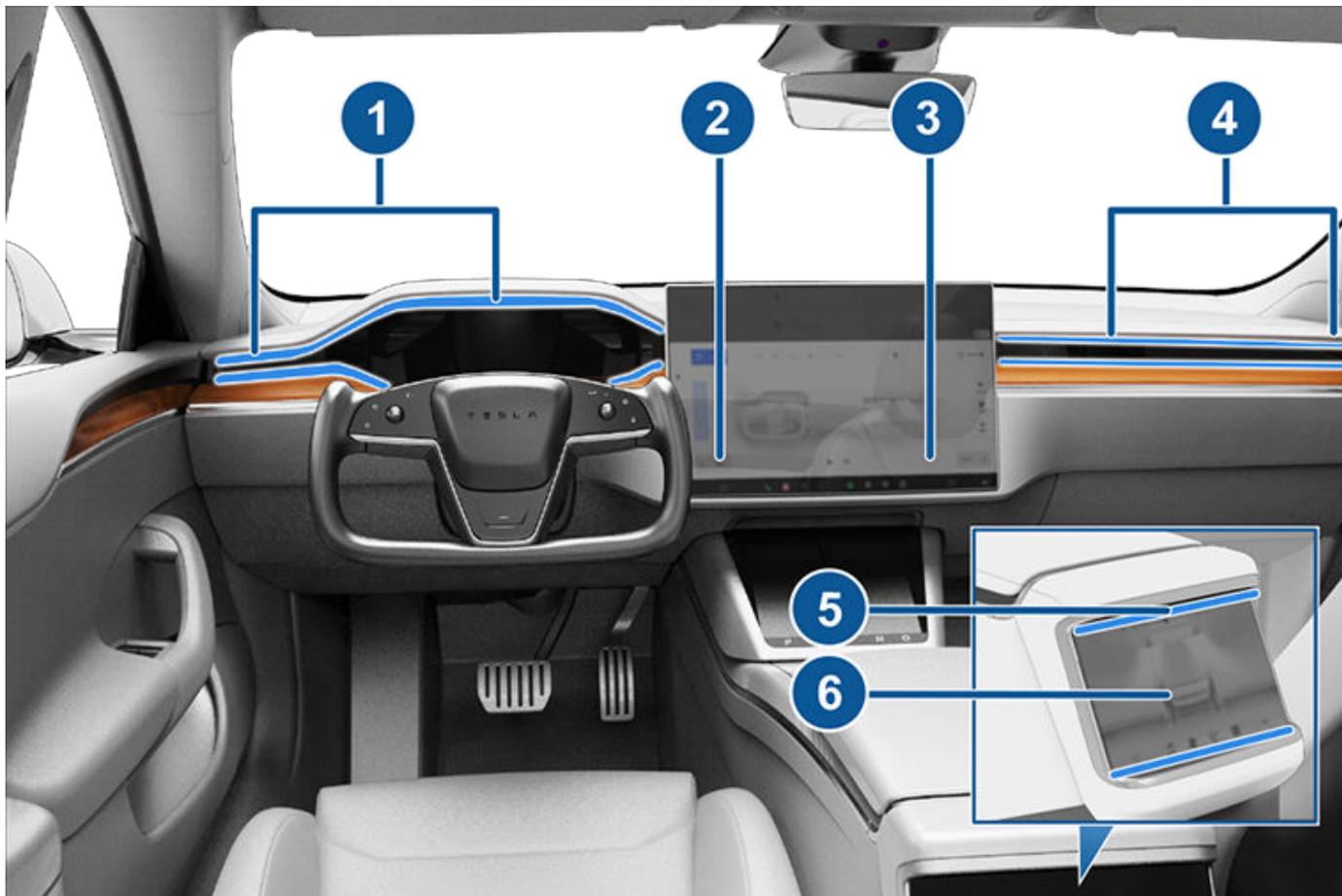




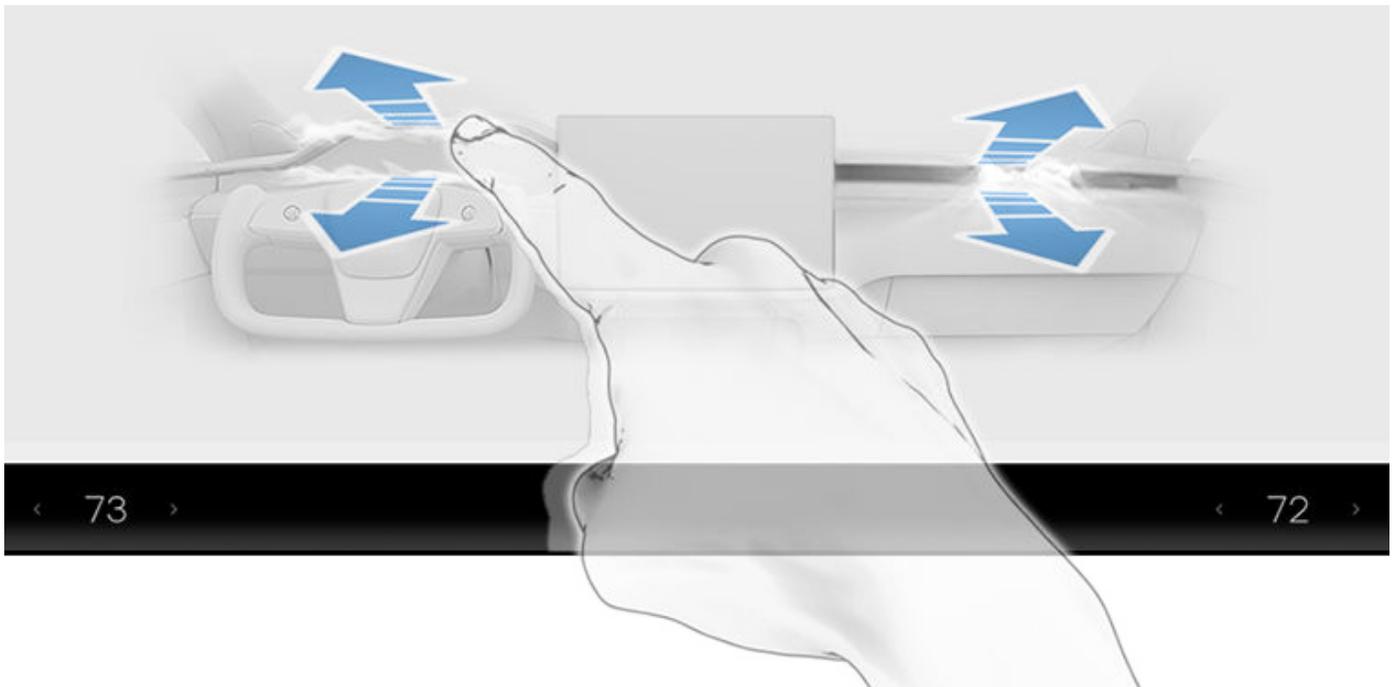
## Adjusting the Front and Rear Vents

Model S has a unique horizontal face-level vent that spans the width of the dashboard. It also has vents at the top and bottom of the rear console.



1. Driver vents
2. Driver controls
3. Passenger controls
4. Passenger vents
5. Rear vents
6. Rear controls

Using the touchscreens, you can pinpoint exactly where you want to direct the air flowing from this vent when heating or cooling the cabin. When the face-level vent is on you can adjust the direction of the air flow from each vent. To adjust the direction of the air flow, touch the radiating air waves from the corresponding vent on the touchscreen. The air flows in a single stream when centered or splits into mirrored air streams when air is directed outward or inward from the center of the vent.



**NOTE:** When you split a vent into two separate air flows, the air flow in each direction is not as strong as when all air is flowing in a single direction.

**NOTE:** Outside air is drawn into Model S through the grill in front of the windshield. Keep the grill clear of obstructions, such as leaves and snow.

## Keep Climate On, Dog, and Camp

The **Keep Climate On**, **Dog**, and **Camp** settings allow you to keep the climate control system running when in Park, even after you've left Model S or choose to stay inside the vehicle. These settings are useful when it is important to maintain the cabin temperature in hot or cold weather conditions. For example, when leaving groceries in Model S on hot days, you may want to use Keep Climate On to prevent spoilage.

Dog is designed to maintain a comfortable cabin temperature for your pet while you actively and frequently monitor this temperature using the mobile app (which requires both your phone and the vehicle to have cellular connectivity). When in Dog, the touchscreen displays the current cabin temperature to inform people passing by that your pet is safe. This setting is not intended for people, and should only be used for short periods of time while you stay in close proximity should you need to return to the vehicle in situations where the temperature can no longer be maintained.

**NOTE:** If Dog and Sentry are enabled at the same time, Sentry defaults to **Disable Sentry Sounds** to protect your pet. See [Sentry Mode on page 150](#) for more information.

Camp allows you to power electronics through the USB ports and low voltage outlet in addition to maintaining the cabin temperature. The touchscreen remains on so you can play music, browse the internet, play games in the arcade, or watch shows in Tesla Theater. You can

also control media and climate settings from a paired phone. Camp is ideal for remaining inside your vehicle, such as camping or staying with a child. While active, Sentry Mode and the vehicle alarm system are disabled.

To operate Keep Climate On, Dog, or Camp:

1. Make sure the Battery's charge level is at least 20%.
2. Engage Park. The **Keep Climate On**, **Dog**, and **Camp** settings are available only when Model S is in Park.
3. If necessary, adjust the climate settings.
4. On the climate controls screen, touch **Keep Climate On**, **Dog**, or **Camp**.

**NOTE:** You can also control **Dog** and **Camp** from the mobile app, by swiping up from the gray bar on the Climate screen.

The climate control system attempts to maintain your climate settings until you shift out of Park or manually turn it off. Avoid using Keep Climate On, Dog, or Camp when the battery charge is low. If the Battery's charge level drops below 20%, the Tesla mobile app attempts to repeatedly send you notifications reminding you to check on anything that you have left in Model S.

**NOTE:** Software updates cannot be performed when Keep Climate On, Dog, or Camp is active.



# Climate Controls

**NOTE:** The intrusion sensor (if equipped) automatically disables when Keep Climate On, Dog, or Camp is active. However, you can override this behavior and keep the intrusion sensor enabled. To do so, touch **Controls** > **Safety** > **Tilt/Intrusion** after enabling Keep Climate On, Dog, or Camp. However, note that keeping the intrusion sensor enabled while Keep Climate On, Dog, or Camp is active can trigger an alarm event as a result of air movement inside the cabin.

-  **WARNING:** Never leave a child unattended in your vehicle.
-  **WARNING:** Check local laws for any restrictions on leaving pets unattended in your vehicle.
-  **WARNING:** You are responsible for the safety of your dog or pet. Never leave them in Model S for long periods of time. Constantly monitor the vehicle temperature and their well-being. Make sure you have sufficient cellular coverage on your phone and time to return to the vehicle, if necessary.
-  **WARNING:** In the unlikely event that your climate control system needs service or is not working as expected, avoid using Keep Climate On, Dog, and Camp. Never rely on your vehicle to protect something irreplaceable.
-  **WARNING:** You can adjust and monitor the climate control system remotely using the mobile app. However, if you use the mobile app to turn off the climate control system, Keep Climate On, Dog, and Camp stop operating.

## Cabin Air Filter(s)

Model S has one or more air filters to prevent pollen, industrial fallout, road dust and other particles from entering through the vents.

**NOTE:** Cabin air filter(s) require periodic replacement. See [Service Intervals on page 170](#).

## Cabin Overheat Protection

Cabin Overheat Protection prevents the cabin from getting too hot in scorching ambient conditions. While not necessary to activate whenever you leave Model S, the climate control system can reduce and maintain the temperature of your vehicle's cabin. This can prevent the cabin from getting too hot after leaving it parked in the sun, making the vehicle more comfortable when you return. Cabin Overheat Protection may take up to 15 minutes to enable once you exit the vehicle. This feature is intended for passenger comfort and has no impact on the reliability of your vehicle's components.

To turn on, touch **Controls** > **Safety** > **Cabin Overheat Protection** and choose:

- **On:** The air conditioning operates when the cabin temperature exceeds 105° F (40° C), or the selected temperature if available, on the touchscreen or mobile app. Customizing temperatures may require the most recent version of the mobile app.
- **Off:** Disables Cabin Overheat Protection.

You can also enable Cabin Overheat Protection remotely through the mobile app by touching **Climate**. Swipe up on the bottom menu and select a setting under **Cabin Overheat Protection** (see [Mobile App on page 159](#)).

Cabin Overheat Protection operates until 12 hours has elapsed once you exit Model S, or until the Battery energy drops below 20%, whichever comes first. Using Cabin Overheat Protection requires energy from the Battery, which may decrease range.

-  **WARNING:** Due to automatic shut-off, extreme outside conditions, or other potential inability to maintain the selected temperature, the inside of the vehicle can become dangerously hot, even when Cabin Overheat Protection is enabled. If you experience temperatures exceeding the selected temperature repeatedly, contact Tesla service.
-  **WARNING:** Never leave children or pets in the vehicle unattended. Due to automatic shut-off or extreme outside conditions, the inside of the vehicle can become dangerously hot, even when Cabin Overheat Protection is enabled.

## Climate Control Operating Tips

- When you use the mobile app to turn on the climate control system, it automatically turns off when the charge level drops to 20%, or if two hours has passed. To cool or heat the cabin for a longer period of time, charge the vehicle and re-enable your climate control preference through the mobile app.
- If the climate control system is louder than you prefer, manually reduce the fan speed.
- In addition to cooling the interior, the air conditioning compressor also cools the Battery. Therefore, in hot weather, the air conditioning compressor can turn on even if you turned it off. This is normal because the system's priority is to cool the Battery to ensure it stays within an optimum temperature range to support longevity and optimum performance.
- Even when not in use, you may hear Model S emit a whining noise or the sound of water circulating. These sounds are normal and occur when the internal cooling systems turn on to support various vehicle functions, such as maintaining the low voltage battery and balancing the temperature of the high voltage Battery.
- To ensure the climate control system operates efficiently, close all windows and ensure that the exterior grille in front of the windshield is free of ice, snow, leaves, and other debris.



- In very humid conditions, it is normal for the windshield to fog slightly when you first turn on the air conditioning.
- It is normal for a small pool of water to form under Model S when parked. Extra water produced by the dehumidifying process is drained underneath.
- To reduce the temperature in the cabin in hot weather conditions, the fan may turn on to vent the cabin when the vehicle is parked. This occurs only if the battery's charge level is above 20%.