

Saunyoto CM7715

Saunyoto 10.88" Head Up Display Instruction Manual

For Tesla Model 3 (2017-2023) & Model Y (2020-2024)

[Overview](#) [Specifications](#) [Installation](#) [Operation](#) [Key](#)
[Features](#) [Maintenance](#) [Troubleshooting](#) [Warranty & Support](#)

1. PRODUCT OVERVIEW

This manual provides detailed instructions for the installation, operation, and maintenance of your Saunyoto 10.88" Head Up Display. Designed specifically for Tesla Model 3 (2017-2023) and Model Y (2020-2024), this display enhances your driving experience by providing essential vehicle information and smart connectivity features directly in your line of sight.

- 10.88" HD Screen:** Features a 1920x535 resolution IPS 2.5D touchscreen with 1000nit brightness for clear visibility.
- Wireless CarPlay/Android Auto:** Seamless 60 FPS connectivity with split/full-screen options and voice assistant support.
- No AC Blockage:** Innovative design ensures no obstruction of AC vents, maintaining optimal cabin climate.
- 12-in-1 Monitoring:** Syncs real-time data including speed, tire pressure, and gear, with dual-color blind-spot alerts.
- Optional Front Camera:** Provides additional warnings for enhanced driving safety.

2. TECHNICAL SPECIFICATIONS

Feature	Detail
Product Dimensions	10.4 x 0.6 x 3.5 inches
Item Weight	3.52 pounds
Item Model Number	CM7715
Screen Size	10.88 Inches

Display Type	LCD, IPS 2.5D Touchscreen
Resolution	1920x535
Brightness	1000nit
Connectivity Technology	Bluetooth, Wi-Fi
Compatibility	Tesla Model 3 (2017-2023), Tesla Model Y (2020-2024)

3. INSTALLATION GUIDE

Follow these steps carefully to install your Saunyoto Head Up Display. Installation typically takes approximately 50 minutes and requires no permanent modifications to your vehicle.

3.1 Preparation

1. Ensure your vehicle is powered off and the parking brake is engaged.
2. Gather necessary tools: plastic pry tool, screwdriver (provided).

3.2 Removing Vehicle Panels

1. **Remove the right meter side panel:** Carefully use a pry tool to detach the right meter side panel.

For Tesla

Model 3 Highland 2024 2025 / Model Y Juniper 2025+



Image: A hand using a pry tool to remove the right meter side panel of the Tesla dashboard.

2. **Remove the front right seat A-pillar baffle:** Gently detach the A-pillar baffle near the front passenger seat.

Support Wireless CarPlay & Android Auto

stable connection with fast response for smooth in-car experience



OTA Upgrade

Image: A hand removing the A-pillar baffle on the passenger side of the Tesla.

3. **Remove the front right seat threshold trim strip:** Use a pry tool to carefully remove the trim strip along the front right seat threshold.

10.88" Ultra-Thin IPS Display



1920 × 535 HD Resolution • 1000nit Brightness
2.5D Glass • Touchscreen • Eye Comfort Warm Tone

Image: A person removing the threshold trim strip on the passenger side.

4. **Remove retaining buckle:** Locate and remove the retaining buckle in the footwell area.
5. **Remove the left gauge side panel:** Repeat the process for the left side of the dashboard.
6. **Lift the dashboard trim panel:** Carefully lift the dashboard trim panel vertically from both left and right sides to expose wiring.

3.3 Wiring Connections

7. **Find the original vehicle protocol cable interface (blue A):** Locate the blue protocol interface.

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Video: Demonstrates locating the original vehicle protocol cable interface (blue A) in the Tesla.

8. **Plug the matching blue protocol cable (A1) into the original vehicle matching protocol interface (Blue A):** Connect the provided cable.
9. **Unplug the original car power port (B):** Disconnect the vehicle's power port.
10. **Connect the female head to B1 and the male head to B2:** After unplugging the original power interface B of the vehicle, connect the female terminal to B1 and the male terminal to B2.

11. **Insert the cable into the hole:** Thread the cables through the designated holes in the dashboard trim. For front camera installation, ensure the yellow video input cable passes through the correct hole.

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Video: Illustrates the installation of the display unit onto the dashboard.

12. **Connect the power cable:** Securely connect the power cables.
13. **Connect front camera video input cable:** In yellow, the video input cable of the camera is connected to the extension cable of the front camera.
14. **Fix power cable connection with tape:** Use tape to secure the power cable connections.
15. **Arrange and secure cables:** Extend the front camera extension cable to the front and fix it.

3.4 Installing the Display Unit

16. **Install the host:** Carefully place the display unit into its designated position on the dashboard.

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Video: Illustrates the installation of the display unit onto the dashboard.

17. **Install the cover plate and the instrument panel:** Reattach the dashboard trim panel and other removed components.

3.5 Front Camera Installation (Optional)

If you have opted for the front camera, follow these additional steps:

1. **Disassemble the front trunk:** Remove the necessary panels in the front trunk area to route the camera cable.
2. **Install the cable assembly for the camera:** Route the camera cable from the front bumper area to the dashboard.

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Video: Demonstrates the installation of the front camera cable assembly.

3. **Install camera:** Mount the front camera in the designated location, typically near the front license plate.

4. OPERATING INSTRUCTIONS

Your Saunoyo Head Up Display is designed for intuitive operation. Most functions can be accessed via the touchscreen or integrated steering wheel controls.

4.1 Basic Functions

- **Power On/Off:** The display powers on automatically with the vehicle and off when the vehicle is shut down.
- **Brightness Adjustment:** Adjust screen brightness via the settings menu or automatic light sensor.
- **UI Themes:** Select from multiple UI themes (classic, simple, sports) to personalize your display.
- **Car Model Display:** Choose from various Tesla 3D car models to match your vehicle.

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Video: Demonstrates various function settings of the display, including UI themes and car model selection.

4.2 Smart Connectivity

- **Wireless CarPlay/Android Auto:** Connect your smartphone wirelessly for navigation, music, calls, and more.
- **AirPlay/Miracast/HiCar:** Cast videos and content directly from your phone to the display.

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Video: Shows the display supporting wireless Apple CarPlay, Android Auto, and AirPlay.

4.3 Driving Safety Features

- **Blind Spot Warning:** Receive dual-color alerts for objects in your blind spots.
- **Front Camera View:** Automatically displays the front camera view when the vehicle starts or at low speeds for enhanced awareness.
- **Real-time Data Sync:** Monitor speed, tire pressure, gear, and other critical vehicle data.

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Video: Highlights driving safety features, including blind spot warning and front camera view.

4.4 HVAC Control

- **Adjustable Air Vents:** The display's integrated air vents can be adjusted 360° to control airflow direction without blocking the original Tesla HVAC system.

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Video: Demonstrates how to control air conditioning direction using the display's adjustable vents.

5. KEY FEATURES

The Saunoyo Head Up Display offers a range of features designed to enhance convenience and safety:

- **Eye Comfort Warm Tone Screen:** Reduces eye strain during prolonged use.
- **Split/Full-Screen Ready:** Allows for simultaneous display of navigation and music, or full-screen video casting.
- **Vehicle-grade Linux System:** Ensures fast performance and ultra-low power consumption.
- **Patented Dual-Duct AC Outlets:** Provides 20% better airflow compared to blocked HUDs, improving cooling and defogging.
- **OTA Updates:** Supports Over-The-Air software updates for continuous improvement and new features.

3 Sets of UI Themes

Day / Night / Auto Mode



compatible with day and night modes, classic, simple, and sports



Image: Shows three different UI themes (Day/Night/Auto Mode) available on the display, including classic, simple, and sports styles.

Adjustable Air Vents

Up/down and left/right airflow control without blocking AC vents



Image: Illustrates the adjustable air vents on the display, allowing up/down and left/right airflow control without blocking AC vents.

Front Camera & Blind Spot Alert

real-time front view and yellow/red dual-color warnings



Image: Depicts the front camera providing real-time views and the dual-color warnings for blind spot alerts.

6. MAINTENANCE

To ensure the longevity and optimal performance of your Saunyoto Head Up Display, follow these maintenance guidelines:

- **Cleaning:** Use a soft, lint-free cloth to gently wipe the screen. Avoid abrasive cleaners or solvents that could damage the display surface.
- **Software Updates:** Regularly check for and install OTA (Over-The-Air) software updates to ensure you have the latest features and performance enhancements.
- **Cable Management:** Periodically inspect all connected cables to ensure they are securely fastened and not pinched or damaged.

7. TROUBLESHOOTING

If you encounter any issues with your display, refer to the following common troubleshooting steps:

- **Display Not Powering On:**

- Check all power connections to ensure they are securely plugged in.
- Verify that the vehicle's power is on.

- **No Signal/Black Screen:**

- Ensure all video input cables are correctly connected.
- Restart the vehicle to reset the display.

- **CarPlay/Android Auto Connectivity Issues:**

- Ensure Bluetooth and Wi-Fi are enabled on your smartphone and the display.
- Forget the device on both your phone and the display, then attempt to reconnect.
- Check for any software updates for the display or your phone's operating system.

- **Inaccurate Data Display:**

- Verify that the display's protocol cable is correctly connected to the vehicle's system.
- Perform a system reset if the issue persists.

For further assistance, please contact Saunyoto customer support.

8. WARRANTY & SUPPORT

Your Saunyoto Head Up Display comes with a **12-month warranty** from the date of purchase. This warranty covers manufacturing defects and ensures reliable performance.

For any questions, technical support, or warranty claims, please contact our **24/7 support team**. Step-by-step videos and guides are also available to assist you with installation and operation.

Contact information can be found on the official Saunyoto website or through your purchase platform.