

Preface

Thank you for choosing ATOTO

With over a decade of expertise in automotive electronics, ATOTO remains committed to its core philosophy: **“Different, Better, Trusted.”**

- **Different** – We deliver products that stand apart through thoughtful design, innovation, and user oriented features.
- **Better** – We integrate professional audio visual technology with intuitive interaction to elevate every journey with superior experiences at an accessible price.
- **Trusted** – Endorsed by millions of users worldwide, ATOTO has earned a reputation for reliable products and responsive service you can count on.

This philosophy guides everything we do—from long term R&D investment, to continuous product improvement, to prompt customer support. With ATOTO, you can always expect **something different, something better, and above all, something trusted.**

Copyright Notice

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Customer Support

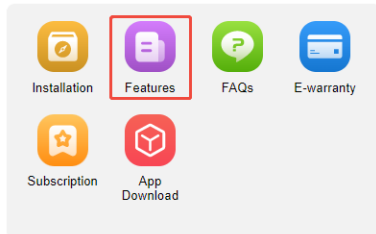
If you experience any issues during installation or use, our support team is here to help.

Contact us via email: [**support@atotoglobal.com**](mailto:support@atotoglobal.com)

Important Information

About this Manual

This installation manual is intended to guide you through the basic installation process of your ATOTO product. If you would like to explore more detailed feature operations and settings, please refer to the **“Features”** section, as shown in the image below.



In addition to installation guides and feature tutorials, we also provide access to FAQs, Extended Warranty, Subscription Services, Firmware Upgrades, and App Downloads — all designed to enhance your overall product experience. Below is a quick overview of each section’s functionality:

FAQs

Find answers to commonly asked questions about your ATOTO product. From installation tips to troubleshooting steps, this section helps you resolve issues quickly and get the most out of your device.

Extended Warranty

Register here to extend your product warranty beyond the standard coverage. Enjoy added peace of mind and continued protection for your ATOTO products.

Subscription

Subscribed to new feature updates? This section displays the latest feature releases and enhancements available for your device. Stay informed and unlock new capabilities as they become available.

App Download

Can’t find certain apps on Google Play? Use this section to download our exclusive FindApps installer. It provides access to a selection of curated apps compatible with your ATOTO Android head unit or portable Android product, especially for users who experience Play Store limitations. Please note that the availability of specific apps may vary depending on your product model and system version—actual results may differ.

Firmware Upgrade

Keep your device up to date with the latest improvements. In this section, you can check for available firmware updates and download upgrade packages tailored to your specific model.

Regular updates may include new features, system optimizations, and important bug fixes to ensure optimal performance and user experience.

Chapter 1 Installation Warnings

Certified Professional Installation

Installation or service performed by individuals without proper training or experience in consumer electronics and automotive accessories may pose serious risks, including electric shock, injury, or other hazards. If you are unfamiliar with car electronics or lack installation experience, we strongly recommend seeking professional assistance to avoid potential injury or damage during installation.

Please note that installation procedures may vary depending on the make and model of your vehicle. Adjustments should be made based on your specific vehicle structure and dashboard configuration.

Disconnect the Battery Before Installation

To prevent electrical shorts, always disconnect the vehicle's Negative (-) battery terminal before beginning installation. Failure to do so may lead to electric shock, fire, or damage to the product and surrounding property.

Do Not Disassemble or Modify the Product

Attempting to disassemble or alter the product may cause fire, electric shock, or result in an accident.

Use Only Fuses with the Specified Rating

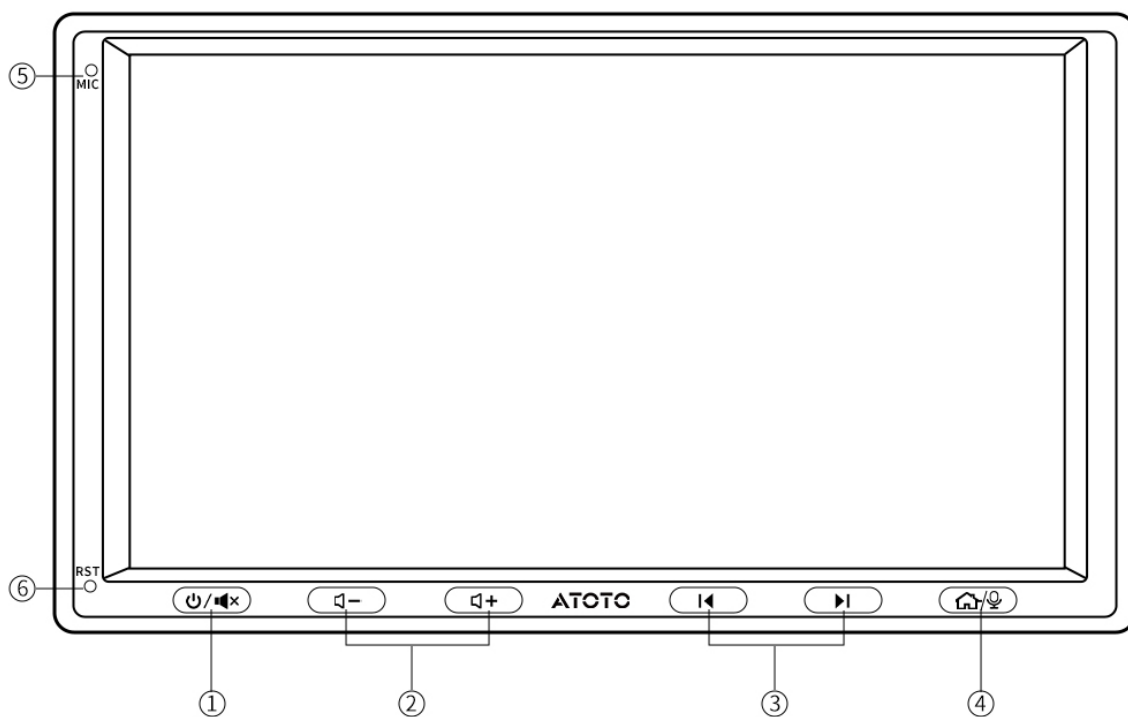
Replacing fuses with incorrect ratings may cause fire or result in serious property damage.

Parking Brake Wiring Must Be Installed Correctly

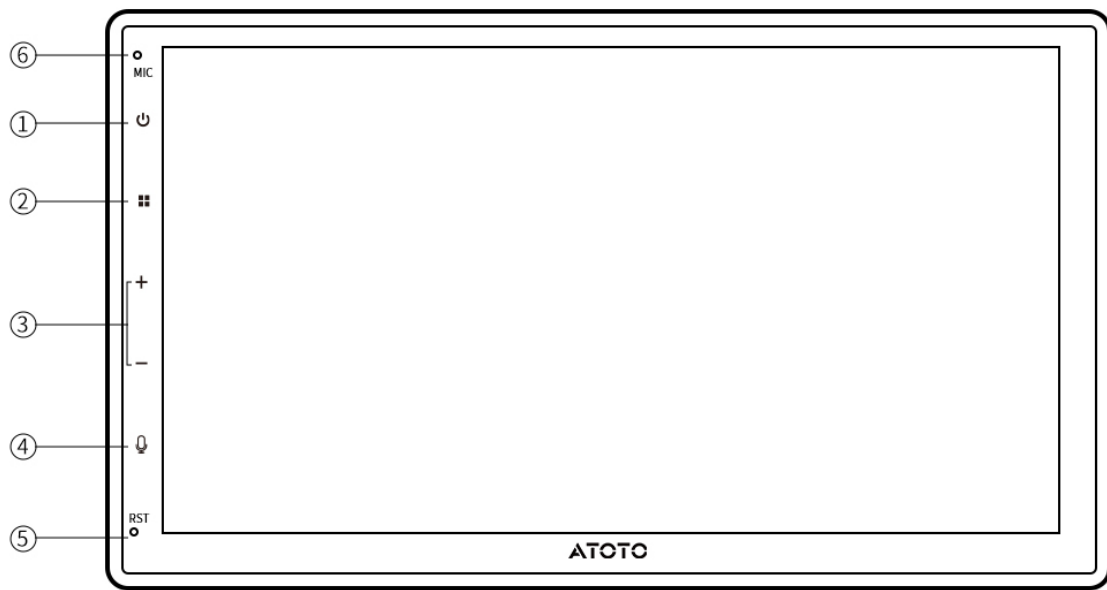
Improper installation may allow video playback while the vehicle is in motion, potentially distracting the driver and increasing the risk of a serious accident. This can lead to severe injury to the driver and passengers.

Chapter 2 Front Panel Appearance & Buttons, Ports and Slots

2.1 Front Panel Appearance

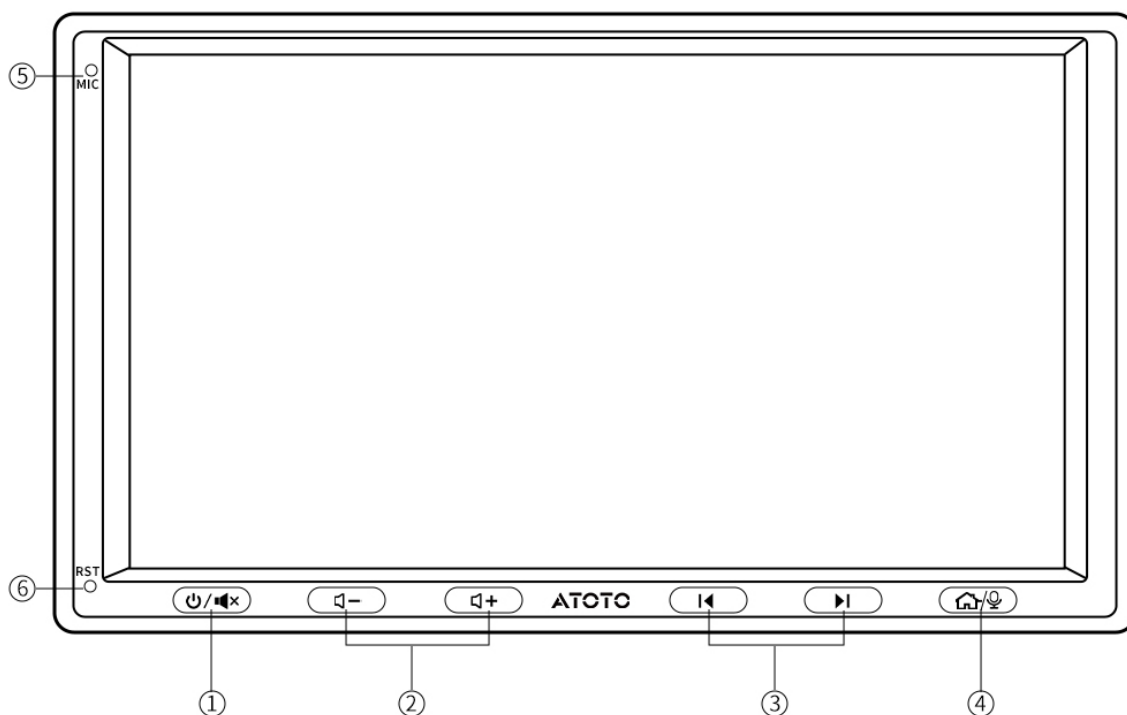


Installation Style: UDH07D — 7" Double-DIN, Physical Keys (Medium "M" Chassis)
(e.g., S8G2A74MS, S8G2A79UN)



Installation Style: UDH07FDT — 7" Double-DIN, Fully-Laminated Touch Keys (Short Chassis)
(e.g., S8G2B74MS, S8G2C74MS, S8G2C79UN)

2.1 Buttons, Ports & Slots



S8G2A74MS, S8G2A79UN

1. 2-in-1 Composite Button

Press to mute, press and hold to turn off S8 screen.

2. Volume Control Button

Press to increase or decrease volume.

3. Playback Control Button

Press to skip to previous or next track, radio station, or video.

4. 2-in-1 Composite Button

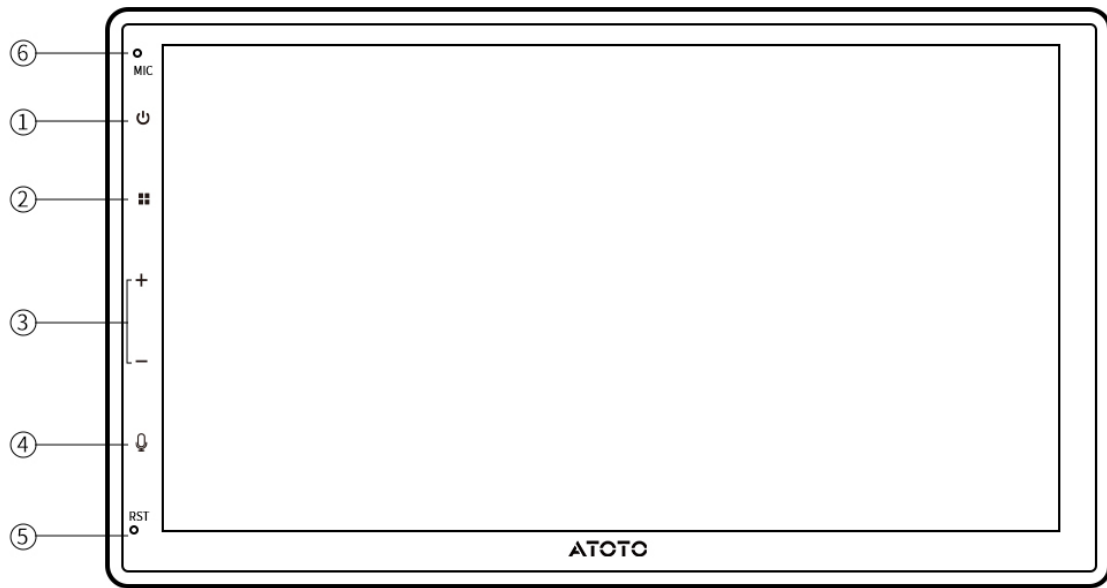
Press to return to home page, press and hold to activate voice assistant.

5. Built-In Mic

Work with the included external mic to reduce background noise.

6. Reset Button

If the unit isn't responding, press with a pin to reset the system circuit.



S8G2B74MS, S8G2C74MS, S8G2C79UN

1. 2-in-1 Composite Button

Press to mute, press and hold to turn off S8 screen.

2. Home Button

Press to return to home page.

3. Volume Control Button

Press to increase or decrease volume.

4. Voice Assistant Button

Press to activate voice assistant.

5. Reset Button

If the unit isn't responding, press with a pin to reset the system circuit.

6. Built-In Mic

Work with the included external mic to reduce background noise.

Chapter 3 Installation Styles

ATOTO S8 universal-fit Android head units with 7" display are available in 2 different installation styles. Each style has unique features, allowing you to choose the one that best suits your vehicle's dashboard layout, look, and usability.

Available Installation Styles:

1. UDH07D — 7" Double-DIN, Physical Keys (Medium “M” Chassis)

- OEM-like face with real buttons for eyes-off control; some variants include dual built-in microphones
- No native HDMI-in
- Examples: S8G2A74MS (MS), S8G2A79UN (UN)

2. UDH07FDT — 7" Double-DIN, Fully-Laminated Touch Keys (Short Chassis)

- Clean glass front, short depth for tight dashes/cable space
- No native HDMI-in
- Examples: S8G2B74MS, S8G2C74MS (MS), S8G2C79UN (UN)

Chapter 4 Package Contents

4.1 Accessory & Image

Applicable Installation Styles

1. UDH07D — 7" double-DIN, physical keys (medium “M” chassis)

- OEM-like face with real buttons for eyes-off control; some variants include dual built-in microphones.
- No native HDMI-in.
- Examples: S8G2A74MS (MS), S8G2A79UN (UN).

2. UDH07FDT — 7" double-DIN, fully-laminated touch keys (short chassis)

- Clean glass front, short depth for tight dashes/cable space.
- No native HDMI-in.
- Examples: S8G2C74MS (MS), S8G2C79UN (UN).

Name of Accessory	Image
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Wire Harness for North America, Europe,
and UK



Wire Harness for Japan only



ISO Connector (A / B) for Europe only



RCA Connector with SIM Card Slot



Audio Output Cable



Rear Camera Input Cable



Front Recording Camera Input Cable



USB External Storage Cable



USB Phone Link Cable



GPS Antenna



External Microphone



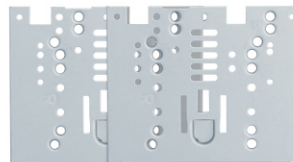
Small Installation Frame



Big Installation Frame for Europe only



Double-DIN Brackets



Mounting Brackets	
Mounting Screws	



4.2 Important Notes

Some S8 models have been updated and the package contents may be different from what provided here. Please refer to the actual items you received. If you encountered any issues, please kindly contact ATOTO Customer Support Team at support@atotoglobal.com.

Chapter 5 Head Unit Installation

The S8 universal-fit Android head units with 7" display support 2 different installation styles, each with its own characteristics as outlined in **Chapter 3**. This chapter provides **detailed step-by-step instructions** for each installation style to guide you through the process.

5.1 Before Installation

5.1.1 Precatious

1. Do not install this unit in vehicles without an ACC (accessory) position:

Without an ACC circuit, the display may remain powered even after the ignition is turned off, which can drain the vehicle battery.

2. Ensure all ground wires are connected to a common grounding point:

Proper grounding is essential for system stability and safety.

3. Avoid trapping wires under screws or moving parts:

Secure all cables carefully to prevent pinching or damage—especially near seat rails or adjustable components.

4. Always switch off the ignition before making any wiring connections:

This prevents potential short circuits or damage to the electrical system.

5. Connect the yellow (constant power) and red (ACC power) wires only after all other connections are completed:

This reduces the risk of accidental power surge or misconnection.

6. Insulate all unused or exposed wire ends with electrical tape:

Leaving wires uninsulated may cause short circuits or safety hazards.

7. Power lead (yellow wire) warning:

If connecting this unit alongside other stereo components, ensure the car's circuit amperage rating exceeds the total amperage required by all connected devices. Failure to do so may overload the circuit.

5.1.2 Extra Accessories for A Universal Fit Headunit Installation

1. If the vehicle you are going to install a head unit on already has an aftermarket universal fit head unit, the installation will be very straightforward, just remove the previous power cable of a head unit and replace it with a new one.

2. If this is the first time to install an head unit for your current vehicle, additional third-party accessories are often required to ensure proper integration with your vehicle. Below are the most commonly needed components:

- Mounting Dash Kit / Fascia Fitting Adapter

Fills the gap between the new head unit and the vehicle's dashboard. Required to achieve a clean and secure fit. Dash kit models vary by vehicle make and model.

- Wiring Harness / Stalk Connector

Acts as a bridge between your vehicle's factory wiring plug and the aftermarket head unit. It simplifies connection without cutting the original wires.

- Antenna Adapter

Some vehicles use different antenna connectors compared to the standard aftermarket type. An adapter may be needed to connect the factory antenna to the new unit.

- Data Interface / CAN Bus Decoder

For vehicles (typically 2005 and newer) that might use digital networks to manage electrical systems. This interface enables functions such as head unit power control, steering wheel audio button retention, accessory (ACC) power, and more.

- Amplifier Interface Harness / Amp Adapter

If your vehicle is equipped with a factory amplifier, a specific amplifier adapter may be required.

- Backup Camera Adapter

Required if you wish to retain your factory reverse camera and connect it to the new head unit.

- USB Adapter Harness

Used to retain and connect the vehicle's original USB port(s) to the aftermarket head unit.

Notice: Please note that not all of these accessories are required for every vehicle. The exact parts needed will depend on your vehicle's make, model, and installation setup.

If you're unsure about selecting or purchasing the appropriate wiring harness or dash kits, our support team is here to help. Feel free to reach out to us at: support@atotoglobal.com.

5.2 Step-by-Step Guide

Part 1: Applicable Installation Styles

- UDH07D — 7" double-DIN, physical keys (medium "M" chassis)
- UDH07FDT — 7" double-DIN, fully-laminated touch keys (short chassis)

Part 2: Optional Accessories



Mounting Brackets



Mounting Screws

Part 3: Important Notes Before Installation

1. Check for Potential Obstruction

To avoid blocking important areas of your vehicle's original dashboard (e.g., buttons, vents), we recommend measuring and verifying the screen's physical dimensions before installation.

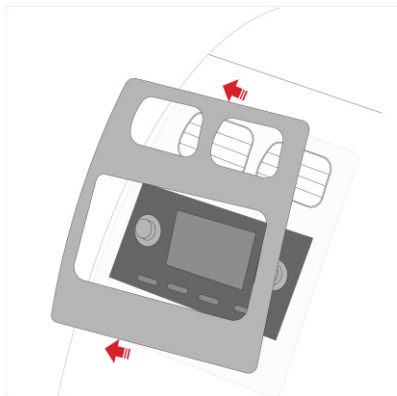
2. Vehicle Compatibility Notice

This installation guide is intended as a general reference for vehicles compatible with universal aftermarket head units. Due to variations in vehicle dashboards, wiring layouts, and structural designs, the actual installation process may differ depending on your specific car model. Please adapt accordingly or consult a professional installer if needed.

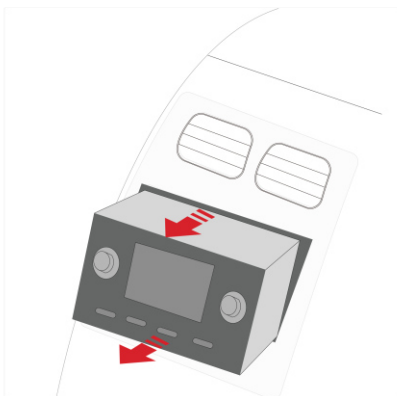
Part 4: Installation Guide

1. Use a flathead screwdriver or pry tool to carefully remove the trim plate surrounding the factory head unit. Store the trim plate in a safe location to avoid damage.

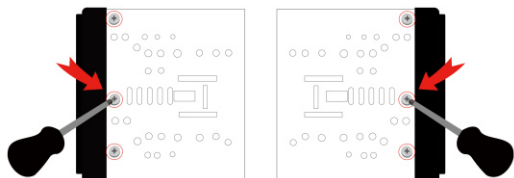
(Note: The illustration is for reference only. Please follow the actual vehicle's configuration for specific trim plate removal.)



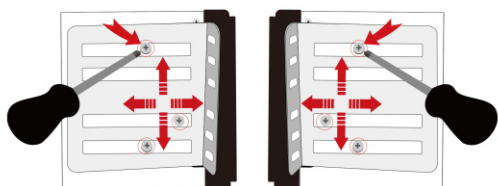
2. Locate the screws securing the factory head unit and use a screwdriver to remove them. Disconnect the factory wiring and remove the head unit.



3. Install the double-DIN side brackets on the left and right sides of the head unit, and tighten the screws as shown below.



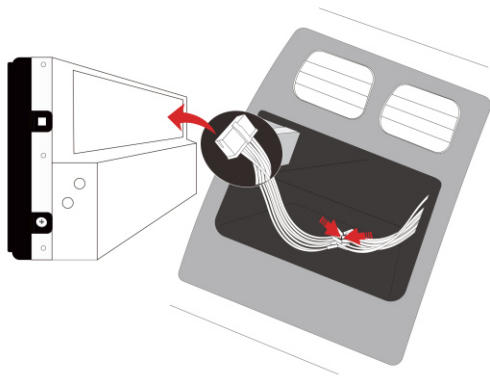
4. Install the movable mounting brackets on the left and right sides of the head unit, and lock the fixing screws, as shown below.



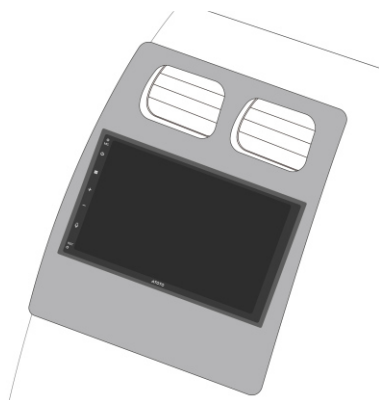
*Notice: At this step, you may need to use the factory head unit mounting brackets to fix the head unit to the dashboard instead (especially for our head units with a 205*104mm panel size), but not our removable mounting brackets, which depends on the actual installation situation.*

5. Complete all necessary wiring connections, including but not limited to power, speaker, and steering wheel control wiring.

*(For detailed wiring instructions, please check the **Wiring Connection** section under **Head Unit Installation** for your specific product model.)*



6. After wiring is completed, install and secure the head unit to the dashboard



7. Reconnect the vehicle's battery negative terminal, start the vehicle, and test all functions, including but not limited to screen display, audio output (speakers), camera feeds, USB connections, and other auxiliary features.

8. Reinstall the trim plate to the dashboard, ensuring it aligns perfectly with the head unit. You can use the included installation frame(s) if necessary.

9. Final Check: Verify that all functions are working correctly, and confirm the head unit is securely installed with no loose components or unusual sounds. Once confirmed, the installation is complete, and you're ready to enjoy the features and entertainment options of your S8 head unit!

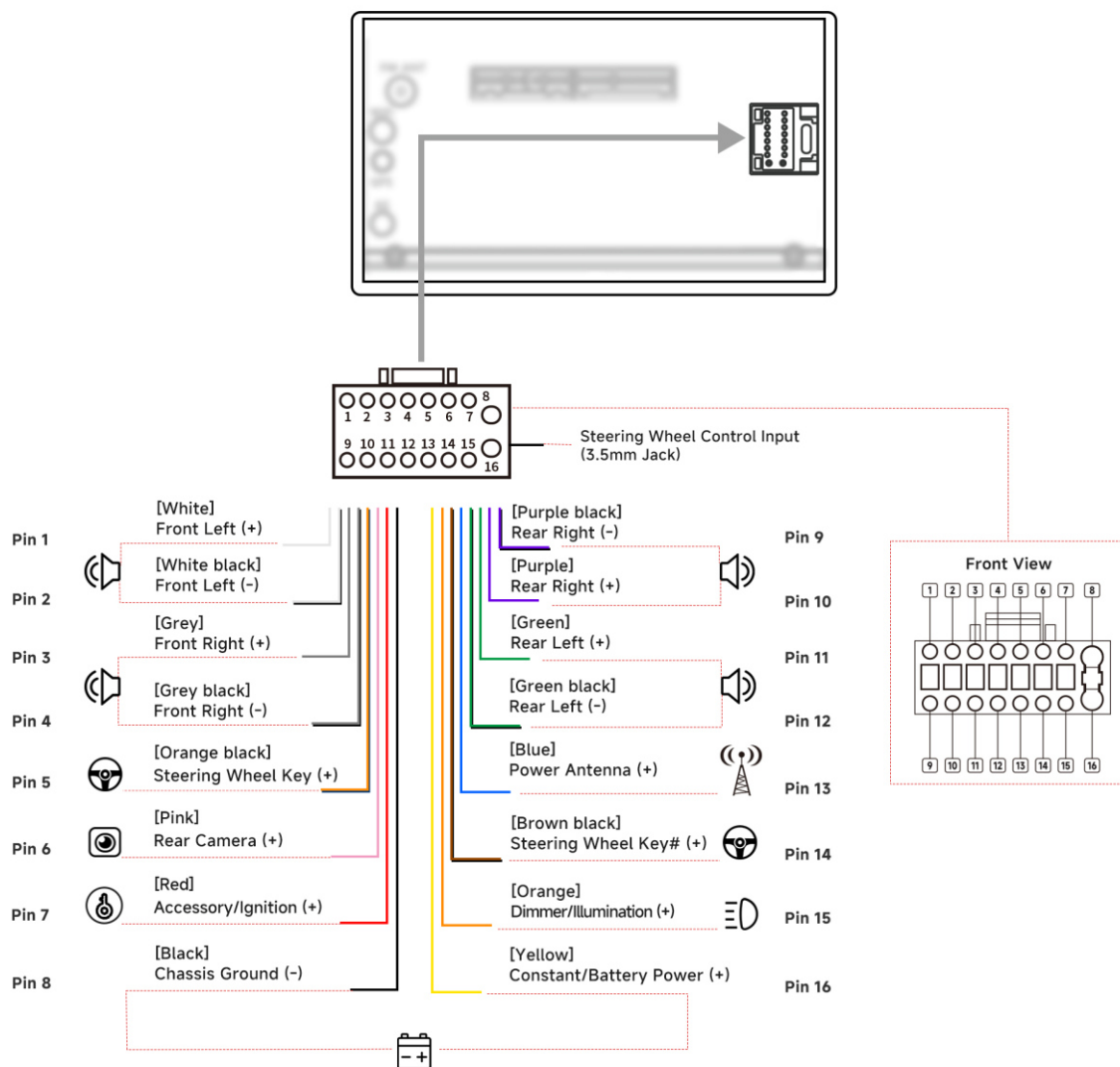
5.3 Wiring Connection Instructions

This guide explains the functions and recommended connection points for each wire and interface on your ATOTO head unit. Please ensure all wiring is done carefully, and consult a professional installer if needed.

Important Note Before Wiring:

- Unused input/output wires need to be insulated with tape, heat shrink, or crimp connectors.
- Never use wire nuts.
- Always replace the faulty fuse with the same type and rating (15A).
- Dimmer input wire must be connected to the parking light for night detection.
- Reverse input wire must be connected to the reverse light wire for automatic rear camera trigger when the gear is changed to reverse.
- Consult a professional installer or our support team (support@atotoglobal.com) for a correct third-party SWC adapter for your specific vehicle.

Part 1: Main Power and Signal Harness Introduction (16-Pin Connector)



S8TY-WC-001

PIN 1: Front Left +

Wire Color: White

Connect to positive terminal of the front left speaker.

PIN 2: Front Left -

Wire Color: White/Black

Connect to negative terminal of the front left speaker.

PIN 3: Front Right +

Wire Color: Grey

Connect to positive terminal of the front right speaker.

PIN 4: Front Right -

Wire Color: Grey/Black

Connect to negative terminal of the front right speaker.

PIN 5: Steering Wheel Key +

Wire Color: Orange/Black

Analog Control Line. Connect either **PIN 2 (SWC#+)** or **PIN 12 (SWC+)** to the vehicle's "**KEY 1/SWC 1/KEY-A**" wire, or to the Tip contact of an aftermarket interface TRRS plug.

Although labeled differently, PIN 2 and PIN 12 serve the same function. The "#" symbol is used for identification only. Please connect only one of them, using both at the same time may cause improper operation.

***Note:** For detailed wiring guidance, please refer to the **Steering Wheel Control Wiring Guide** below.*

PIN 6: Rear Camera +

Wire Color: Pink

Connect to reverse gear signal wire (provides 12V when vehicle is in reverse). Triggers automatic switch to rear camera view.

PIN 7: Accessory/Ignition +

Wire Color: Red

Connect to ACC (accessory) power line. Provides switched 12V power when ignition key is turned to ACC or ON. Controls power on/off of the head unit.

PIN 8: Chassis Ground/GND -

Wire Color: Black

Connect to the main ground wire on the original vehicle power supply. If the original vehicle connector does not have a main ground wire, connect to a clean, bare metal point on the vehicle chassis.

PIN 9: Rear Right -

Wire Color: Purple/Black

Connect to negative terminal of the rear right speaker.

PIN 10: Rear Right +

Wire Color: Purple

Connect to positive terminal of the rear right speaker.

PIN 11: Rear Left +

Wire Color: Green

Connect to positive terminal of the rear left speaker.

PIN 12: Rear Left -

Wire Color: Green/Black

Connect to negative terminal of the rear left speaker.

PIN 13: Power Antenna +

Wire Color: Blue

Connect to car antenna control wire for power control.

PIN 14: Steering Wheel Key#/SWC Key 2 (+)

Wire Color: Brown/Black

Analog Control Line. Connect either **PIN 2 (SWC#+)** or **PIN 12 (SWC+)** to the vehicle's "**KEY 1/SWC 1/KEY-A**" wire, or to the Tip contact of an aftermarket interface TRRS plug.

Although labeled differently, PIN 2 and PIN 12 serve the same function. The "#" symbol is used for identification only. Please connect only one of them, using both at the same time may cause improper operation.

***Note:** For detailed wiring guidance, please refer to the **Steering Wheel Control Wiring Guide** below.*

PIN 15: Dimmer/Illumination +

Wire Color: Orange

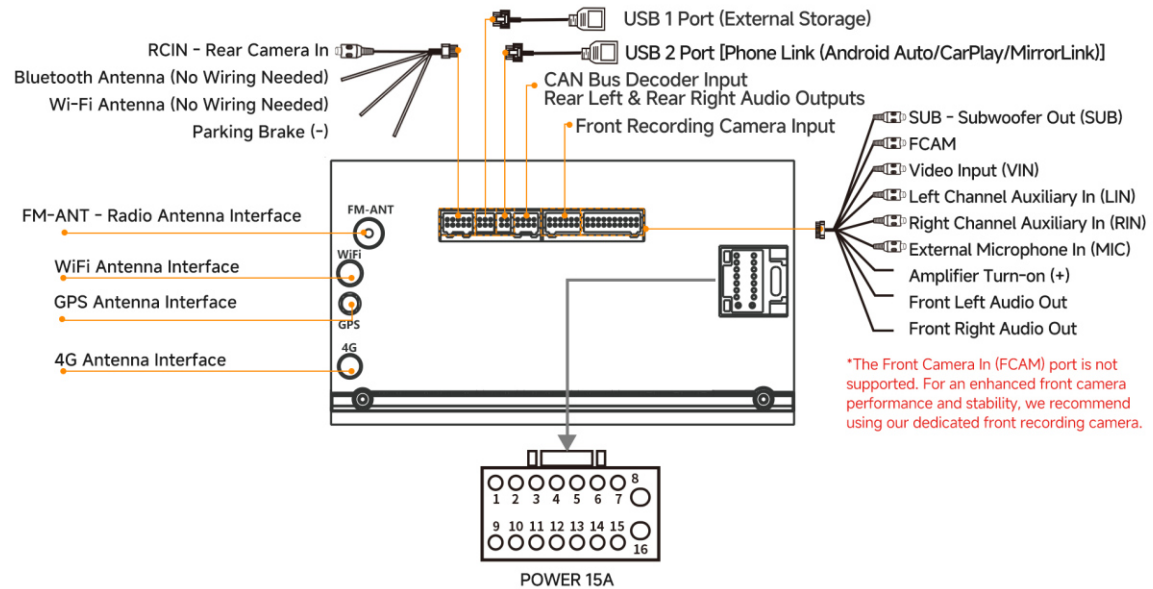
Connect to vehicle's lighting signal wire, enables automatic screen dimming.

PIN 16: Constant/Battery Power +

Wire Color: Yellow

The main power supply for the car stereo. Connect to constant 12V power supply (battery positive terminal) of the vehicle. Maintains memory settings, clock, and stored data even when ignition is off.

Part 2: Main Ports Introduction



S8TY-WC-002

1. Power 15A Interface

The POWER 15A port is the primary power input for the S8 car stereo. It delivers the necessary power to the unit and ensures stable operation.

2. Rear Camera Connection

Connect a rear camera to the S8 head unit to enable rearview video input and display.

- Use the corresponding RCA cable, which also integrates:
 - Bluetooth wires (functioning as substitutes for Bluetooth antennas)
 - Parking Brake (-) wire for connection with the vehicle's parking brake signal

3. USB 1 Port (External Storage)

Connect to a USB external device for storage expansion, media , etc.

4. USB 2 Port (Phone Link)

The dedicated port for wired CarPlay/Android Auto/Phone Mirroring.

5. Rear Speaker Audio Output

Output audio to the rear left & rear right speakers. If the installation of the head unit on your vehicle requires a CAN Bus decoder, this port is available.

6. Front Camera Input

The dedicated port for ATOTO AC-FCR04W front recording camera (sold separately) connection.

7. RCA Audio Out/AV Ports

Subwoofer Out (SUB): Connect to subwoofer amplifier

FL, FR: RCA outputs to external amplifiers for front speaker channel

FCAM: Unavailable

L-IN/R-IN: Left and right auxiliary audio input

V-IN: Video input

MIC: External microphone input

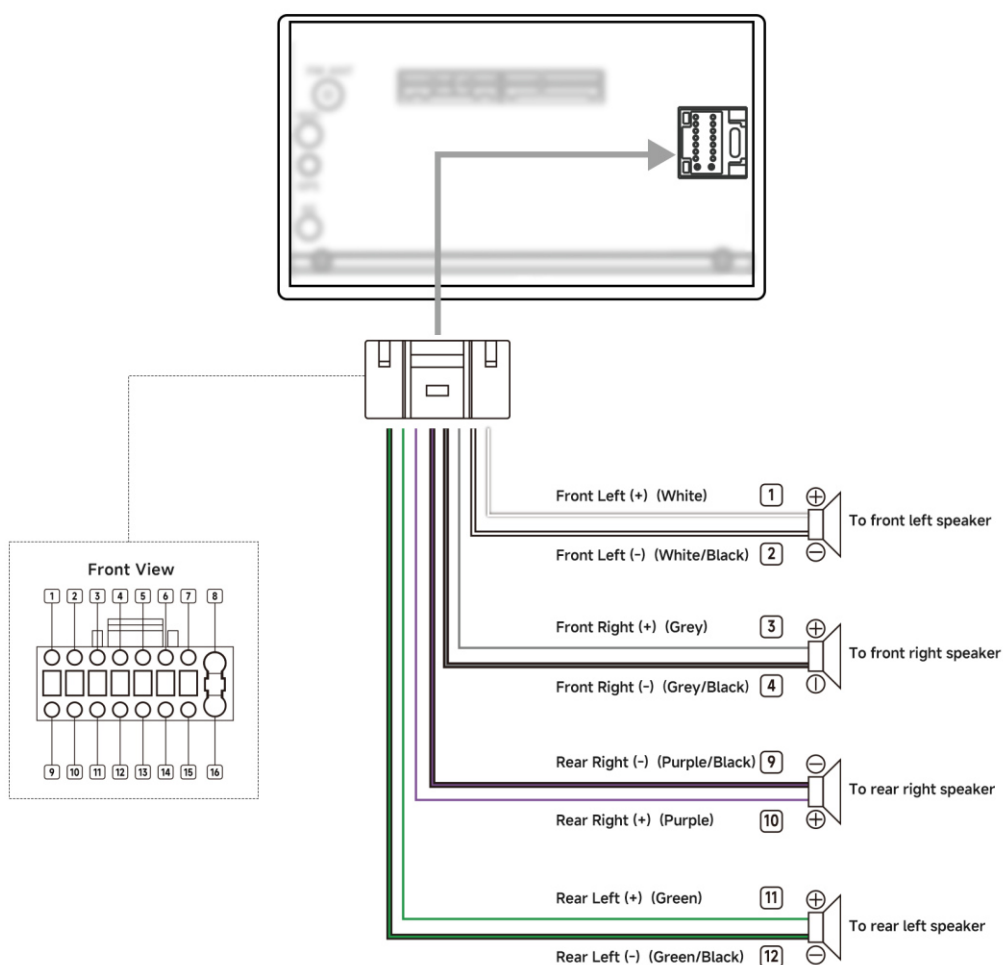
Amplifier Turn-On (+): Connect the Amplifier Turn-On (+) wire to the remote turn-on terminal of an external amplifier. This wire sends a 12V signal when the head unit is powered on.

8, 9, 10 & 11. Antenna Ports

FM-ANT: FM radio antenna input

Part 3: Wiring Connection Instructions

Module 1: Speaker Wiring



S8TY-WC-003

Note: The wiring diagram and interface layout are based on the S8G2A74MS model as a reference. Please locate the corresponding interface positions according to your specific model.

How to Connect:

1. Connect the **Rear Right (-)** wire to the rear right speaker's negative terminal.
2. Connect the **Rear Right (+)** wire to the rear right speaker's positive terminal.
3. Connect the **Front Right (-)** wire to the front right speaker's negative terminal.
4. Connect the **Front Right (+)** wire to the front right speaker's positive terminal.
5. Connect the **Rear Left (-)** wire to the rear left speaker's negative terminal.

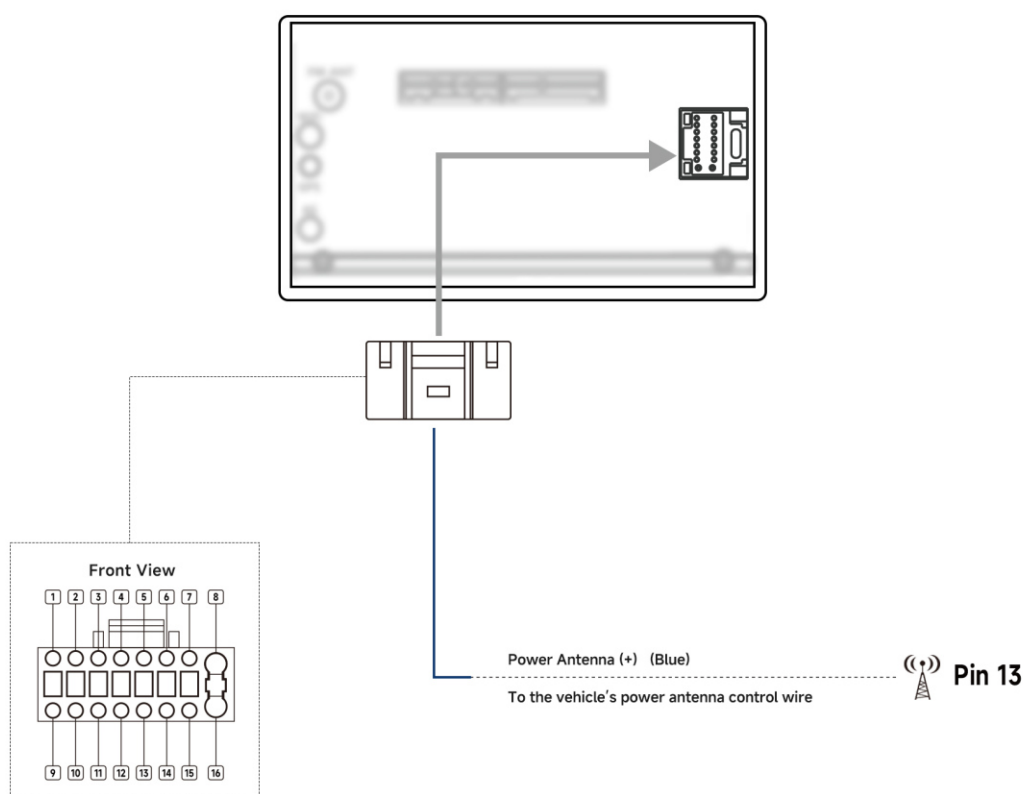
6. Connect the **Rear Left (+)** wire to the rear left speaker's positive terminal.
7. Connect the **Front Left (-)** wire to the front left speaker's negative terminal.
8. Connect the **Front Left (+)** wire to the front left speaker's positive terminal.

Important Notes:

- Ensure proper polarity (+/-) for each speaker to avoid phase issues (e.g., weak bass or echo effect).
- Do not connect any of the speaker wires to chassis ground.
- Unused speaker wires need to be insulated with tape, heat shrink, or crimp connectors to avoid damage to the unit.

Module 2: Power Antenna, Amplifier Turn-On & Parking Brake Wiring

Purpose: These signal wires enable accessory components such as the power antenna, aftermarket amplifier, and enforce safety limitations on video playback during driving.



S8TY-WC-004

Note: The wiring diagram and interface layout are based on the S8G2A74MS model as a reference. Please locate the corresponding interface positions according to your specific model.

How to Connect:

1. Connect the **Power Antenna (+)** wire to the vehicle's power antenna control wire (if available). This output activates the antenna when the Radio is in use. Do not use this wire to turn on an amplifier, or as a power supply for external devices, as the current is limited to 500mA.
2. Connect the **Parking Brake (-)** wire to the parking brake signal wire of the vehicle. This is used to detect whether the parking brake is engaged, as some functions (e.g., video playback) may be restricted while driving.
3. Connect the **Amplifier Turn-On (+)** wire to the remote turn-on terminal of an external amplifier. This wire sends a 12V signal when the head unit is powered on.

Important Notes:

- Do not connect both the Power Antenna and Amplifier Turn-On wires to the same terminal. They serve different purposes.
- For parking brake detection to work properly, ensure the connection is secure and complies with local regulations.
- If your vehicle does not have a power antenna, leave the wire unconnected and insulated.
- **Parking Brake (-)** and **Amplifier Turn-On (+)** wires are integrated into RCA cables, see **Part 2: Main Ports Introduction** under **Wiring Connection Instructions** for more info.

Module 3: Steering Wheel Control Wiring

Upgrading from a factory head unit to an ATOTO car stereo does not mean sacrificing the functionality of your factory steering wheel controls. With the help of aftermarket solutions from companies like Metra, PAC, and Crutchfield, you can retain control over essential functions such as volume, mode, and track selection by installing an interface module to integrate your original steering wheel controls with your new ATOTO headunit.

1. Types of Steering Wheel Control Signals

There are two main types of steering wheel control signals:

- Resistor-Based Analog Signals
- CANBUS-Based Data Signals

For CANBUS-Based Signals:

If your vehicle uses CANBUS-based steering wheel control signals, you will need to purchase a compatible CANBUS data interface. Without this interface, the factory steering wheel controls cannot be retained after replacing your head unit with an aftermarket unit.

For Resistor-Based Analog Signals:

If your vehicle uses resistor-based analog signals, you can either:

- Purchase a steering wheel control interface module.
- Locate the steering wheel control wires in your car's harness (or wiring harness) and connect them directly to the corresponding steering wheel control wires on the ATOTO power harness.

2. Recommended Resources for Wiring Harnesses or CANBUS Interfaces

Here are some recommended resources to find compatible wiring harnesses or CANBUS interfaces:

- United States/Canada:

Metra Online, Crutchfield, <https://pac-audio.com>, Amazon, ebay and etc.

- Europe/Australia:

Connects2, Amazon, or eBay

- Japan:

Kanatechs, Rakuten, Amazon and etc.

3. ATOTO Power Harness Steering Wheel Control Wires

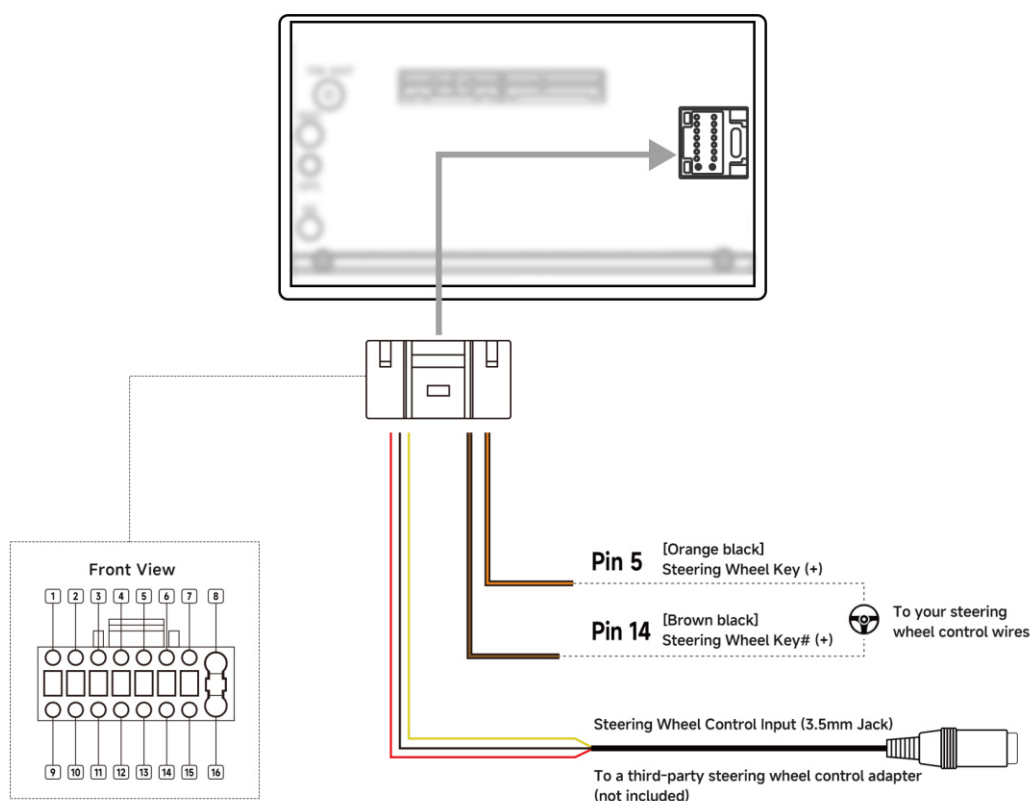
The latest ATOTO power harness includes two types of steering wheel control wiring options:

- 3.5mm Female Jack for SWC
- Separate Steering Wheel Key Wires

Important: Use only one of these options—either the 3.5mm jack or the steering wheel key wires, not both.

4. Setting Up Steering Wheel Control

4.1 Wiring Methods



S8TY-WC-005

Note: The wiring diagram and interface layout are based on the S8G2A74MS model as a reference. Please locate the corresponding interface positions according to your specific model.

There are two wiring methods depending on your setup:

Method 1:

If your purchased wiring harness includes a 3.5mm male jack for SWC, simply connect it to the 3.5mm female jack on the ATOTO power harness.

Method 2:

Step 1: If your wiring harness or car harness does not include a 3.5mm male jack but has steering wheel control wires, connect the positive steering wheel control wires to either the “**Steering Wheel Key(+)**” or the “**Steering Wheel Key #(+)**” wire on the ATOTO power harness (sequence does not matter).

Step 2: Connect the steering wheel control ground wire to the black ground wire on the ATOTO power harness.

NOTICE:

- If the interface module requires selecting a head unit type, choose Pioneer.
- The “**Steering Wheel Key(+)**” and “**Steering Wheel Key #(+)**” wires serve the same function and are interchangeable.

4.2 Programming the Steering Wheel Control Buttons

Once the wiring is complete (via either the 3.5mm jack or the steering wheel control wires), program the steering wheel control buttons through the head unit's settings. Follow the step-by-step instructions provided in the ATOTO user manual to assign functions to each button. For detailed instructions on steering wheel control learning, scan the QR code on the box or on the Online Manual Quick Guide to access Eproductcare online resource platform. Then click the product model you purchased and navigate to **Features > Steering Wheel Control (SWC) Learning Configuration**.

5. Troubleshooting Unrecognized Buttons

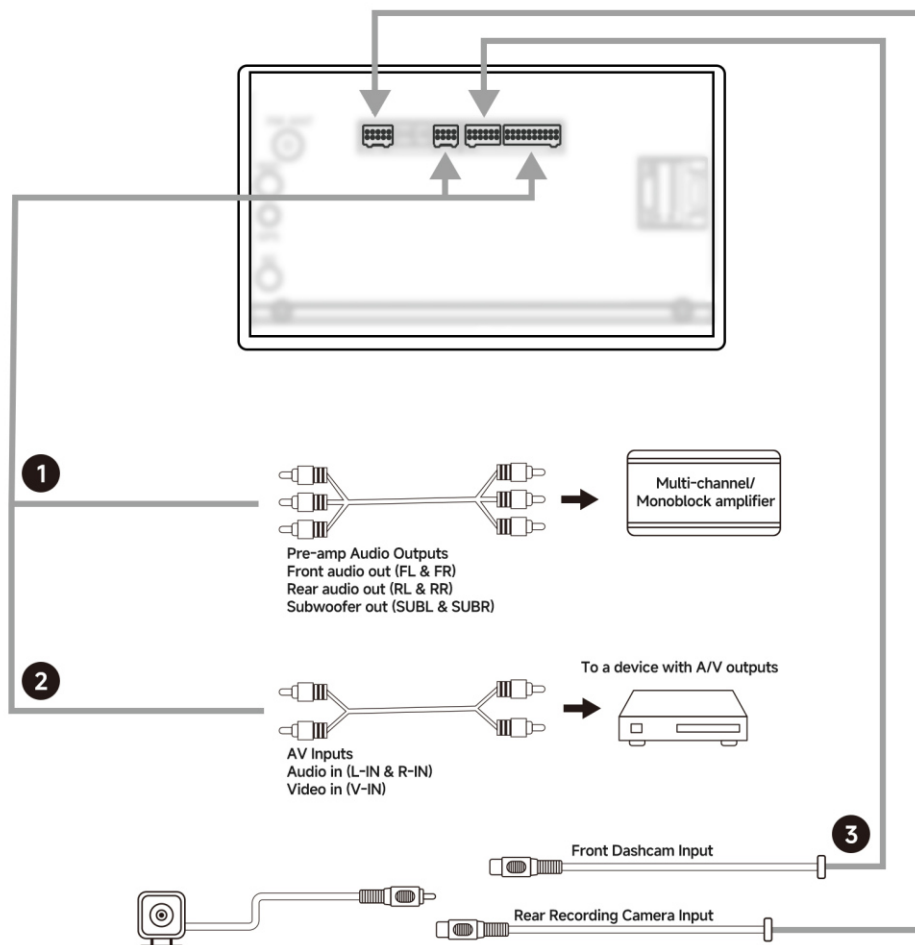
If some buttons cannot be programmed or recognized:

- Verify that the steering wheel interface adapter/module is functioning properly and not defective.
- If the resistance difference between certain buttons is too small for the head unit to recognize, try adding a resistor in series with one of the two steering wheel key wires. This may resolve the issue.

Safety Reminder

We strongly recommend completing SWC wiring under the guidance of a professional installer, especially when dealing with unfamiliar vehicle wiring systems.

Module 4: RCA Audio & Video Connections



S8TY-WC-006

Note: The wiring diagram and interface layout are based on the S8G2A74MS model as a reference. Please locate the corresponding interface positions according to your specific model.

1. Audio Outputs:

Rear Right Audio Out/Rear Left Audio Out/Front Right Audio Out/Front Left Audio Out: Use RCA cables to connect these outputs to the corresponding channels of an external amplifier for enhanced speaker output.

Subwoofer Output: Connect to your active subwoofer amplifier.

2. Audio & Video Inputs:

Left Channel Aux Audio Input/Right Channel Aux Audio Input: Connect to external audio sources, using RCA-to-3.5mm adapters if needed.

Video Input (V-IN): Connect to an external video player, using an RCA video cable if needed.

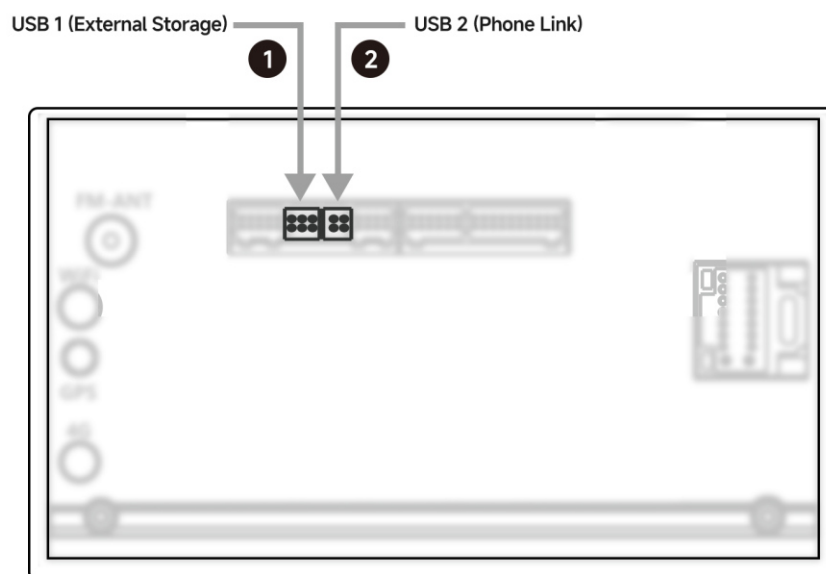
3. Rear/Front Camera Inputs:

RCIN (Rear Camera Input): Connect to the signal cable of your rearview camera. Make sure to also connect the **"Rear Camera (+)"** trigger wire from the main harness.

Front Dashcam Input: Connect to the signal cable of your front-view camera.

We recommend using the dedicated AC-FCR04W front dashcam and AC-FCR04W rear recording camera (both are sold separately) from ATOTO for the best performance and stability.

Module 5: USB Connections



S8TY-WC-007

Note: The wiring diagram and interface layout are based on the S8G2A74MS model as a reference. Please locate the corresponding interface positions according to your specific model.

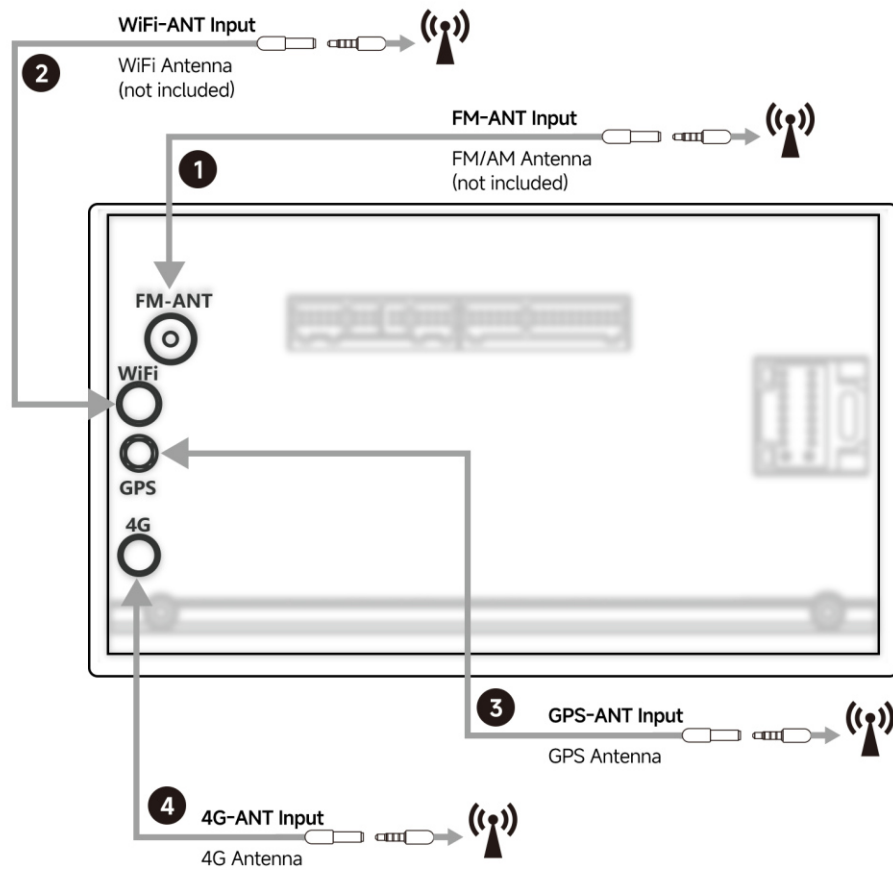
USB Ports:

USB 1 (External Storage): Connect additional USB storage devices for media playback, file transfer, or firmware upgrades.

USB 2 (Phone Link): Connect with your smartphone via original USB cable for wired

CarPlay/Android Auto/Phone Mirroring.

Module 6: Antenna Inputs



S8TY-WC-008

Note: The wiring diagram and interface layout are based on the S8G2A74MS model as a reference. Please locate the corresponding interface positions according to your specific model.

1. FM-ANT (Radio Antenna Input)

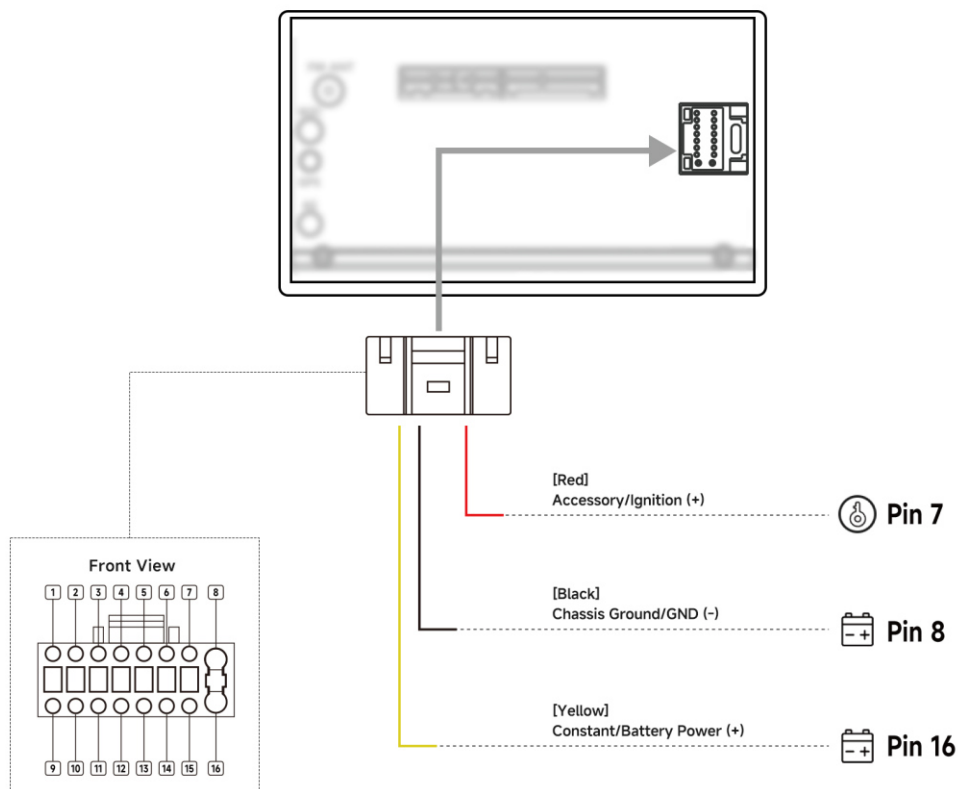
Connect your vehicle's radio antenna cable to this port to ensure proper FM/AM signal reception. If reception is weak, consider using an amplified antenna.

Installation Instruction:

- Locate the ports on the head unit labeled: GPS Antenna
- This is where you'll connect the SMA male plug. Gently insert the plug and screw it tight.
- Positioning the antenna module:
 - Choose a flat and unobstructed surface inside the vehicle, such as the top dashboard near the windshield.
 - Clean the surface and peel off the adhesive on the back of the red antenna base.
 - Firmly press and mount the antenna in place. Avoid metal obstructions above the antenna to ensure signal strength.

Module 7: Power & Ignition Wiring

Purpose: Supplies power to the head unit and ensures it turns on/off properly with vehicle ignition.



S8TY-WC-009

Note: The wiring diagram and interface layout are based on the S8G2A74MS model as a reference. Please locate the corresponding interface positions according to your specific

model.

How to Connect

1. Connect the **Chassis Ground (-)** wire to the main ground wire on the original vehicle power supply. If the original vehicle connector does not have a main ground wire, connect to a clean, bare metal point on the vehicle chassis. Poor grounding may lead to noise or instability.
2. Connect the **Constant/Battery Power (+)** wire to a constant 12V battery source in the vehicle. This ensures system settings and memory are retained when ignition is off.
3. Connect the **Accessory/Ignition (+)** wire to the vehicle's ACC (Ignition) power source, which supplies power when the key is turned to ACC or ON position.

Note: It is recommended to connect the ground wire first, followed by the constant power wire, and finally the ignition wire. This minimizes the risk of short circuits or accidental power-related issues during the installation process.

Module 8: Supplying Power to the Head Unit

Power 15A Port: Supply power to the head unit

Connection Instruction: Plug the connector end of the included 20-pin wiring harness to the **POWER 15A** port and connect the pigtail end to the corresponding original vehicle's B+ battery positive wire. Generally, a dedicated adapter is used for installation without the need to cut original wires.

Important Reminders

1. Complete all wiring connections (speakers, antennas, cameras, USB, etc.) before plugging in the POWER 15A connector to the head unit. This helps prevent short circuits, protects internal components, and ensures a safe system startup.
2. Before securing the head unit into the dashboard opening, ensure that all basic functions are working properly. This includes testing the speakers (audio output), screen display, camera feeds, USB connections, and other essential features. Confirming functionality before final installation helps avoid the need for disassembly and reinstallation if any issues arise.

FCC Warning:

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your 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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.