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ATOTO F7G2A7WE-S01

ATOTO F7G2A7WE-S01 Double Din Car Stereo User Manual

Comprehensive instructions for installation, operation, and maintenance of your ATOTO F7G2A7WE-S01 Car Stereo.

1. Product Overview

The ATOTO F7G2A7WE-S01 is a double DIN car stereo featuring a 7-inch IPS touchscreen. It supports wireless CarPlay and Android Auto, Bluetooth connectivity, phone mirroring, and includes an HD Live Rear View (LRV) camera input. This manual provides detailed guidance to help you maximize your device's functionality.



Figure 1.1: ATOTO F7G2A7WE-S01 Double Din Car Stereo with accessories.

2. Setup and Installation

Proper installation is crucial for optimal performance. It is recommended to have this unit installed by a qualified professional.

2.1 Package Contents

- ATOTO F7G2A7WE-S01 Car Stereo Unit
- External Microphone
- Mounting Brackets
- Power Cable

- AC-HD01LR Backup Camera (if included in package)

2.2 Installation Dimensions

The F7 WE is a Universal Double DIN Head Unit (UDH07D). The front panel size is 172mm x 97mm, designed to be compatible with most installation dash kits available in the market.



Figure 2.1: Unit dimensions and double DIN compatibility.

2.3 Wiring Diagram

Refer to the following diagram for proper wiring connections. Ensure all connections are secure to prevent malfunctions.

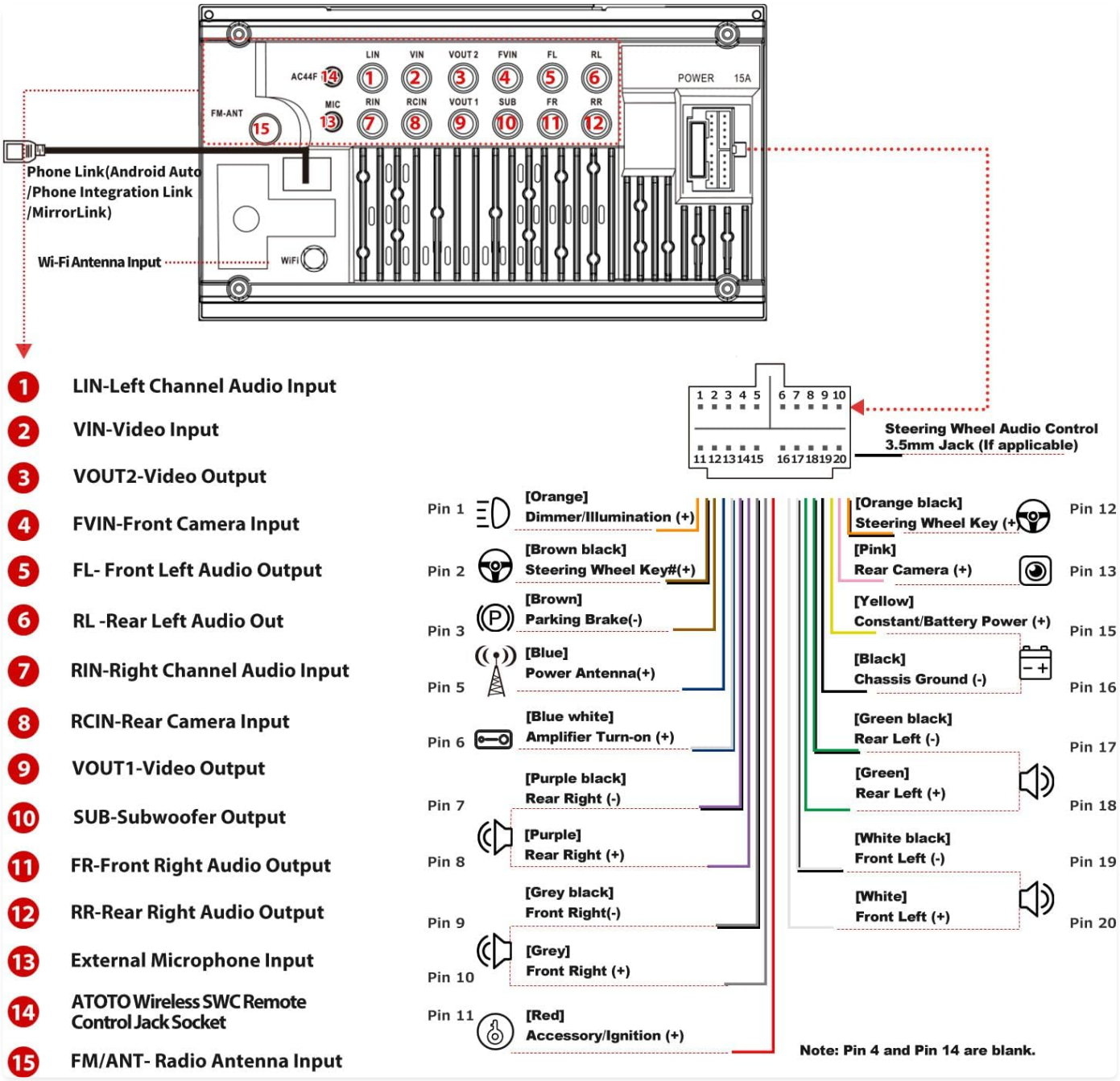


Figure 2.2: Main wiring harness connections.

1. **LIN-Left Channel Audio Input:** Connects to left audio input.
2. **VIN-Video Input:** Connects to video input source.
3. **VOUT2-Video Output:** Connects to secondary video output display.
4. **FVIN-Front Camera Input:** Connects to front camera video input.
5. **FL-Front Left Audio Output:** Connects to front left speaker.
6. **RL-Rear Left Audio Output:** Connects to rear left speaker.
7. **RIN-Right Channel Audio Input:** Connects to right audio input.
8. **RCIN-Rear Camera Input:** Connects to rear camera video input.
9. **VOUT1-Video Output:** Connects to primary video output display.
10. **SUB-Subwoofer Output:** Connects to subwoofer amplifier.
11. **FR-Front Right Audio Output:** Connects to front right speaker.
12. **RR-Rear Right Audio Output:** Connects to rear right speaker.
13. **External Microphone:** Connects to the included external microphone.
14. **ATOTO Wireless SWC Remote Control Jack Socket:** For optional wireless steering wheel control.

15. FM/ANT - Radio Antenna Input: Connects to vehicle's radio antenna.

Power Cable Connections:

- Pin 1: Dimmer/Illumination (+)
- Pin 2: Steering Wheel Key2 (+)
- Pin 3: Parking Brake (-)
- Pin 4: Power Antenna (+)
- Pin 5: Blue wire (Amplifier Turn-on +)
- Pin 6: Purple (Rear Right -)
- Pin 7: Purple (Rear Right +)
- Pin 8: Grey (Front Right -)
- Pin 9: Grey (Front Right +)
- Pin 10: Red (Accessory/Ignition +)
- Pin 11: Yellow (Constant/Battery Power +)
- Pin 12: Orange black (Steering Wheel Key1 +)
- Pin 13: Pink (Rear Camera +)
- Pin 14: Black (Chassis Ground -)
- Pin 15: Green (Rear Left -)
- Pin 16: Green (Rear Left +)
- Pin 17: White (Front Left -)
- Pin 18: White (Front Left +)

2.4 Steering Wheel Controls

The unit supports retaining OEM steering wheel controls. You have three options:

1. Connect to the SWC wires on your vehicle (analog signals).
2. Utilize the dedicated 3.5mm jack for a third-party SWC interface.
3. Use the ATOTO AC-44F5 wireless remote control (sold separately).



Figure 2.3: Steering Wheel Control connection options.

3. Operating Instructions

3.1 Wireless CarPlay

Connect your iPhone wirelessly to access CarPlay features. This allows you to use navigation apps, play music, make calls, and send messages via Siri without physically connecting your phone.



Figure 3.1: Wireless Apple CarPlay interface.

3.2 Wireless Android Auto

Connect your Android phone wirelessly to utilize Android Auto. Access Google Maps for navigation, stream music from YouTube Music, and use Google Assistant for voice commands and messaging.



Figure 3.2: Wireless Android Auto interface.

3.3 IPS HD Touchscreen and Mirrorlink

The unit features an IPS 1024x600 resolution screen, providing clear visibility even in bright daylight. Mirrorlink functionality allows you to cast your phone's display directly to the car stereo screen.



Figure 3.3: IPS HD screen features including Mirrorlink and video output.



Figure 3.4: Mirrorlink in operation.

3.4 Live Rear View (LRV) and Backup Camera

The F7 car stereo supports HD 720P backup camera input. When used with the included AC-HD01LR camera, it provides

a Live Rear View, allowing you to monitor the area behind your vehicle at all times. The system also supports front camera input.



Figure 3.5: Live Rear View functionality with backup camera.



Figure 3.6: Live Rear View with AC-HD01LR camera.

3.5 Bluetooth Connectivity

The unit features Bluetooth 5.3 for A2DP audio streaming and hands-free calling. Pair your smartphone to make and receive calls, and stream audio directly to the stereo.



Figure 3.7: Bluetooth 5.3 interface for calls and audio streaming.

3.6 Media Playback

The F7G2A7WE-S01 supports playback of local media files from external storage devices up to 2TB SSD and 512GB SD card. It also offers two video out RCA jacks for connecting to headrest monitors.

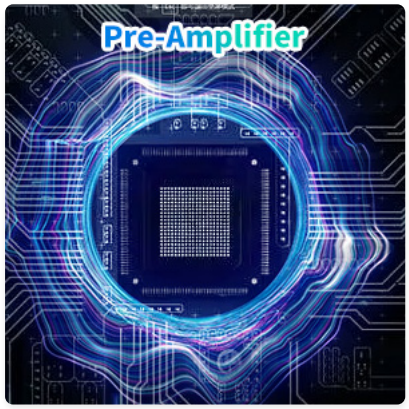


Figure 3.8: Internal pre-amplifier for enhanced audio quality.

4. Maintenance

4.1 Firmware Updates

ATOTO provides continuous firmware updates to improve system performance and add new features. Check the ATOTO online support system (AOCSS) for update notifications and instructions.



Figure 4.1: Firmware update screen.

5. Troubleshooting

This section addresses common issues you might encounter with your ATOTO F7G2A7WE-S01 car stereo.

- **No Power:**
  - Check all power connections (constant 12V, accessory 12V, ground).
  - Verify the vehicle's fuse and the stereo's inline fuse.
  - Ensure the ignition is on.
- **No Sound:**
  - Check speaker wiring connections.
  - Ensure the volume is not muted or set to minimum.
  - Verify audio output settings in the stereo menu.
- **CarPlay/Android Auto Not Connecting:**
  - Ensure your phone's Wi-Fi and Bluetooth are enabled.
  - For wireless connection, ensure the phone is paired via Bluetooth first.
  - Try restarting both the stereo and your smartphone.
  - Check for any software updates for your phone or the stereo.
- **Backup Camera Not Displaying:**
  - Verify the camera's power and video signal connections.
  - Ensure the reverse trigger wire is correctly connected to the vehicle's reverse light circuit.
  - Check camera settings in the stereo menu.
- **Steering Wheel Controls Not Working:**
  - Ensure SWC wires are correctly connected to the vehicle's wiring harness.
  - If using a third-party adapter, ensure it is compatible and correctly configured.
  - Access the SWC learning function in the stereo settings to program the buttons.
- **Touchscreen Unresponsive or Lagging:**
  - Perform a system reset (refer to the device's reset button location, usually a small pinhole).
  - Ensure the screen is clean and free from debris.

6. Specifications

Feature	Detail
Product Dimensions	4 x 6.7 x 3.8 inches
Item Weight	3.52 pounds
Model Number	A6Y4711 (Note: F7G2A7WE-S01 is the product name, A6Y4711 is the item model number)

Feature	Detail
Brand	ATOTO
Connectivity Technology	Bluetooth, USB, Wi-Fi
Controller Type	Google Assistant, Siri
Special Features	10-Band EQ, OEM Steering Wheel Control Support, Live Rear View, Wired Phone Mirroring, Wireless CarPlay and Android Auto
Compatible Devices	Amplifier, Smartphone, Speaker
Connector Type	RCA, USB Type A
Audio Encoding	Stereo
Audio Output Mode	Mono, Stereo
Surround Sound Channel Configuration	4.1
Video Encoding Support	AVI, MKV, MOV, MPEG-1, MPEG-4, FLV, ASF, AVC, 3GP, VOB, MJPEG, MPEG-2, XVID, H.263, HEVC Main 10, RMVB, WMV, RM, DIVX, DAT
Screen Diagonal	7" / 18 cm

7. Warranty and Support

For warranty information, product registration, and technical support, please visit the official ATOTO website or contact their customer service directly. Firmware updates and additional resources can be found on the ATOTO online support system (AOCSS).

ATOTO Official Website: https://www.carpuride.com/pages/atoto-support (Note: This is a generic support link, actual ATOTO support might be on a different domain. User should verify.)

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