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ATOTO F7 Double DIN Car Stereo Receiver User Manual

Model: F7G2B7WE-2024

1. Introduction

Thank you for choosing the ATOTO F7 Double DIN Car Stereo Receiver. This manual provides comprehensive instructions to help you install, operate, and maintain your new car stereo system. Please read this manual thoroughly before use to ensure proper installation and optimal performance.

2. What's in the Box

Carefully unpack the contents and ensure all items are present:

- F7WE Double Din Car Stereo
- External Microphone
- Brackets
- Power Cable

3. Safety Information

Always prioritize safety during installation and operation. Failure to follow these guidelines may result in injury or damage to the product or vehicle.

- Do not attempt to operate the unit while driving. Distracted driving can lead to accidents.
- Ensure proper wiring and insulation to prevent short circuits and electrical fires.
- Consult a professional installer if you are unsure about any part of the installation process.
- Keep the volume at a level that allows you to hear external traffic sounds.
- Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.

4. Setup and Installation

4.1 Product Dimensions and Compatibility

The ATOTO F7 is designed as a Double DIN unit, ensuring broad compatibility with standard vehicle openings.



Image: The ATOTO F7 unit showing its 7-inch screen and standard Double DIN dimensions (172mm width, 96mm height for screen frame; 178mm width, 100mm height for ISO standard Double DIN size).

4.2 Wiring Diagram

Refer to the following diagram for correct wiring connections. Ensure all connections are secure and properly insulated.

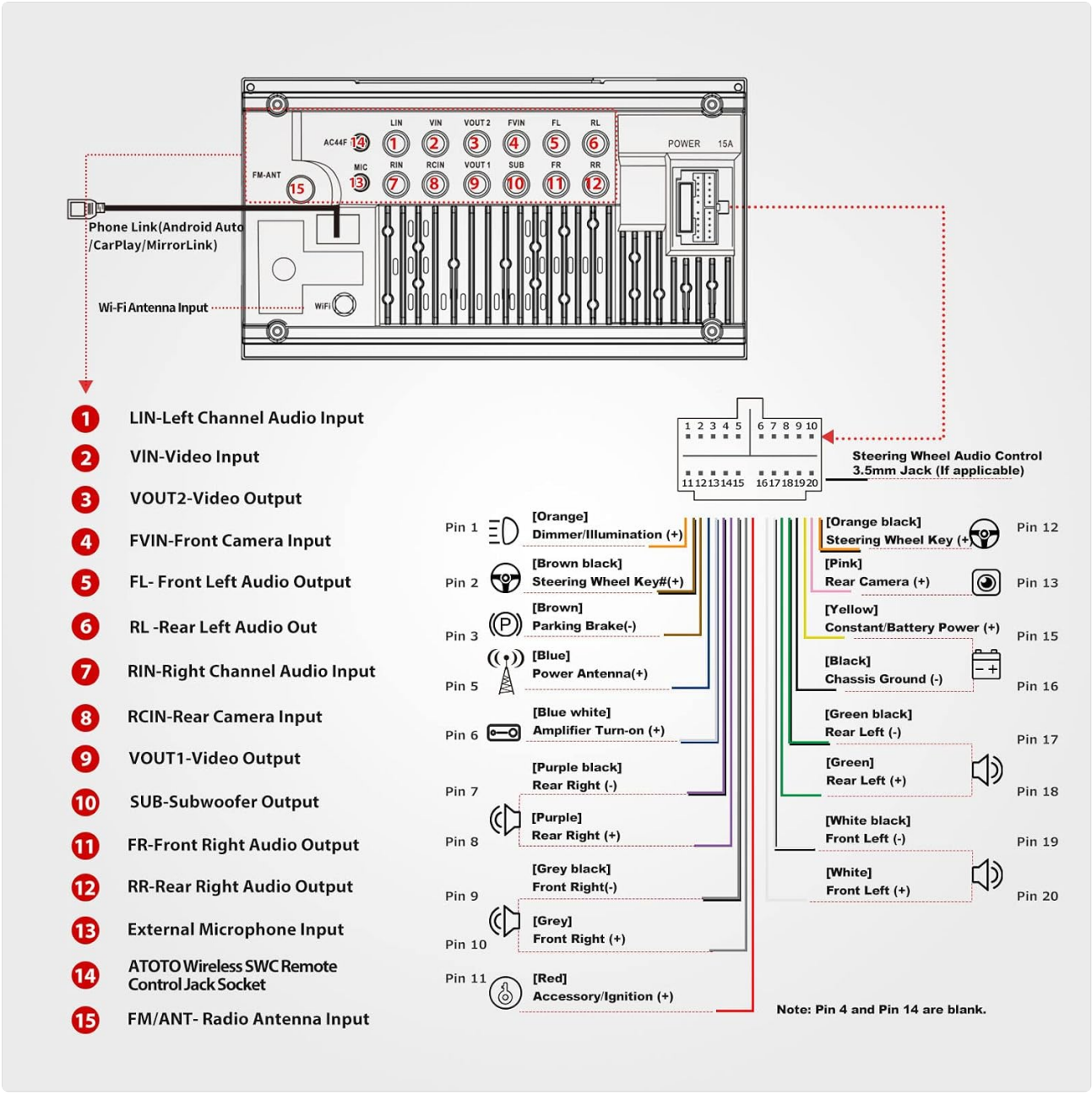


Image: Detailed wiring diagram for the ATOTO F7 car stereo, illustrating various input and output connections including audio, video, power, and control signals.

Key Wiring Connections:

1. **1. LIN-Left Channel Audio Input:** For left audio input.
2. **2. VIN-Video Input:** For video signal input.
3. **3. VOUT2-Video Output:** Second video output.
4. **4. FVIN-Front Camera Input:** Dedicated input for a front camera.
5. **5. FL-Front Left Audio Output:** Front left audio channel output.
6. **6. RL-Rear Left Audio Output:** Rear left audio channel output.
7. **7. RIN-Right Channel Audio Input:** For right audio input.
8. **8. RCIN-Rear Camera Input:** Dedicated input for a rear view camera (supports 720P HD).
9. **9. VOUT1-Video Output:** First video output.
10. **10. SUB-Subwoofer Output:** Output for a subwoofer.
11. **11. FR-Front Right Audio Output:** Front right audio channel output.
12. **12. RR-Rear Right Audio Output:** Rear right audio channel output.
13. **13. External Microphone Input:** For connecting the included external microphone.

14. **14. ATOTO Wireless SWC Remote Control Jack Socket:** For connecting the ATOTO AC-44F5 wireless remote (sold separately).
15. **15. FM/ANT-Radio Antenna Input:** For connecting the FM/AM radio antenna.

Power and Speaker Connections:

- **Orange (Dimmer/Illumination):** Connect to vehicle's illumination wire.
- **Brown (Steering Wheel Key (+)):** Steering wheel control input.
- **Black (Chassis Ground (-)):** Connect to vehicle's chassis ground.
- **Red (Accessory/Ignition):** Connect to vehicle's accessory power.
- **Yellow (Constant Battery Power (+)):** Connect to constant 12V power.
- **Blue (Power Antenna/Amplifier Turn-on):** Output for power antenna or amplifier remote turn-on.
- **Green/Green Black (Rear Left Speaker +/-):** Connect to rear left speaker.
- **White/White Black (Front Left Speaker +/-):** Connect to front left speaker.
- **Gray/Gray Black (Front Right Speaker +/-):** Connect to front right speaker.
- **Purple/Purple Black (Rear Right Speaker +/-):** Connect to rear right speaker.

4.3 Steering Wheel Controls (SWC) Retention

The F7 offers multiple ways to retain your vehicle's original steering wheel controls:



Image: Diagram showing three methods for connecting steering wheel controls to the ATOTO F7: direct wiring, via a 3.5mm jack for third-party interfaces, and using the ATOTO AC-44F5 wireless remote.

1. **Connect SWC wires on your vehicle:** For vehicles with analogue SWC signals, connect the corresponding wires to the F7's SWC inputs.
2. **Dedicated 3.5mm port for SWC interfaces:** Use this port to connect a third-party SWC adapter for vehicles with digital or complex SWC systems.
3. **Use ATOTO AC-44F5 wireless remote:** An optional ATOTO AC-44F5 wireless remote control (sold separately) can be used for convenient control without complex wiring.

4.4 Camera Input (LRV & Front Camera)

The F7 supports multiple camera inputs for enhanced safety and convenience.



Image: The ATOTO F7 displaying a live rear view, with additional graphics illustrating reversing guidelines, 150-degree wide angle, and night vision capabilities when paired with compatible cameras.

- **Live Rear View (LRV):** The F7 CarPlay radio supports 720P HD input for backup cameras, allowing for continuous rear-view visibility. For optimal performance, it is ideally paired with the ATOTO AC-HD02LR (sold separately).
- **Front Camera Input:** A dedicated input is available for connecting a front camera, providing additional visibility when parking or navigating tight spaces.

5. Operating Instructions

5.1 Touch Screen and User Interface

The F7 features a 7-inch capacitive touchscreen with a 1024x600 IPS display, offering high brightness and a 178-degree viewing angle for clear visibility even in sunlight. The full touch screen is highly responsive, providing a smooth and intuitive user experience. The red backlit screen ensures clear visibility at night.



Image: The ATOTO F7 display showing the main user interface with icons for phone, maps, messages, and music, along with illustrations of wireless CarPlay and Android Auto connections from a smartphone.

5.2 Wireless Apple CarPlay

The F7 WE double DIN car stereo supports CarPlay in both wired and wireless modes. Connect your iPhone to access navigation apps like Waze, stream music on Spotify, and use Siri for hands-free control. This feature allows for a clutter-free dashboard experience.



Image: The ATOTO F7 display showing a navigation map via Wireless CarPlay, with a smartphone connected wirelessly and a Siri voice command bubble.

5.3 Wireless Android Auto

The F7 WE car stereo supports both wired and wireless Android Auto. Effortlessly navigate with Google Maps, enjoy personalized playlists from YouTube Music, and use Google Assistant for hands-free control. Android Auto integrates your smartphone's essential functions directly onto the stereo display, allowing you to stay focused on the road.



Image: The ATOTO F7 display showing music playback via Wireless Android Auto, with a smartphone connected wirelessly and a Google Assistant voice command bubble.

5.4 Bluetooth 5.3 Connectivity

The independent Bluetooth 5.3 module with an extra antenna enhances transmission efficiency and reduces static noise. This provides clearer hands-free calls and high-quality audio streaming from your connected devices. Enjoy stable and reliable wireless communication.

5.5 Media Playback

The F7 supports various media playback options:

- **Local Media Playback:** Play audio and video files directly from a USB drive. The unit supports external memory up to a 2TB SSD for ample storage.
- **RCA Outlets:** Stream media to headrest monitors or other external displays through the 2 RCA video output outlets.
- **FM/AM Radio:** Tune into your favorite radio stations.

5.6 MirrorLink

MirrorLink allows you to project your phone's display onto the F7's screen. This feature provides a smooth and intuitive touch experience, enabling you to view and interact with your smartphone content directly on the car stereo display.

5.7 Audio Customization

The built-in amplifier delivers up to Max 4*45W and RMS 4*24W output, providing robust sound. The 10-band EQ with 7 presets allows you to customize music effects to your preference, ensuring a superior audio experience.

6. Maintenance

To ensure the longevity and optimal performance of your ATOTO F7 car stereo, follow these maintenance guidelines:

- **Cleaning the Screen:** Use a soft, lint-free cloth to gently wipe the touchscreen. For stubborn smudges, slightly dampen the cloth with water or a screen cleaner designed for electronics. Avoid abrasive materials or harsh chemicals.
- **General Cleaning:** Keep the unit free from dust and debris. Use a soft brush or compressed air to clean vents and ports.
- **Temperature Control:** Avoid leaving the unit in direct sunlight for extended periods, especially in hot climates, as this can cause overheating.
- **Software Updates:** Periodically check the ATOTO official website for any available firmware updates to ensure your unit has the latest features and bug fixes.

7. Troubleshooting

If you encounter issues with your ATOTO F7, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit does not power on.	Incorrect wiring, blown fuse, vehicle battery issue.	Check power and ground connections. Inspect vehicle's fuse box and the unit's fuse. Verify battery voltage.
No sound from speakers.	Speaker wires disconnected, incorrect audio settings, amplifier issue.	Ensure speaker wires are correctly connected. Check volume level and mute settings. Verify EQ settings.
Wireless CarPlay/Android Auto not connecting.	Bluetooth/Wi-Fi interference, phone settings, outdated firmware.	Ensure phone's Bluetooth and Wi-Fi are on. Forget and re-pair device. Check for firmware updates on the ATOTO website.
Touchscreen unresponsive.	System freeze, excessive dirt on screen.	Perform a soft reset (refer to unit's specific reset procedure). Clean the screen thoroughly.
Rearview camera not displaying.	Incorrect camera wiring, camera malfunction, reverse trigger not connected.	Check camera video input and reverse trigger wire connection. Test camera with another display if possible.

If the problem persists after trying these solutions, please contact ATOTO customer support for further

assistance.

8. Specifications

Key technical specifications for the ATOTO F7 Double DIN Car Stereo Receiver:

Feature	Detail
Brand	ATOTO
Model Number	e16175e0-2a65-48a8-88b0-6085656d4ad6
Display Size	7 inches (18 cm)
Display Resolution	1024x600 IPS
Connectivity Technology	Auxiliary, Bluetooth, USB, Wi-Fi
Bluetooth Version	5.3
Audio Output Mode	Stereo
Surround Sound Channel Configuration	4.1
Max Power Output	4*45W
RMS Power Output	4*24W
Compatible Devices	Audio Amplifier, Smartphone, Speaker
Video Encoding	H.264, H.265/HEVC, MPEG-4
Item Weight	2.53 pounds
Package Dimensions	9.09 x 5.91 x 5.63 inches

9. Warranty and Support

ATOTO provides customer support for its products. For warranty information, technical assistance, or service inquiries, please visit the official ATOTO website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

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