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AMprime 8-core Qualcomm 4+64g

AMprime Android 15 Car Stereo User Manual

For Ford F-150 (2009-2012) - Model: 8-core Qualcomm 4+64g

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1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your AMprime Android 15 Car Stereo. This unit is specifically designed for Ford F-150 models manufactured between 2009 and 2012. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.

Package List



Figure 2.1: Included components for the AMprime Android 15 Car Stereo.

- Main Head Unit (9-inch display)
- Power Cable
- RCA Cable
- GPS Antenna
- User Manual (this document)
- Canbus Decoder
- Installation Tool
- USB Cable
- Rear Camera Input Cable
- Radio Antenna & Adapter Cable
- Mounting Accessories
- AHD Rear View Camera
- Microphone

3. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance and safety of your car stereo. It is highly recommended to have this unit installed by a qualified professional. Incorrect installation can lead to damage to the unit, your vehicle, or personal injury.

3.1 Pre-Installation Checks

- Ensure your vehicle is a Ford F-150 model from 2009-2012.
- Disconnect the vehicle's battery before starting any electrical work.
- Familiarize yourself with your vehicle's dashboard layout and existing wiring.

3.2 Installation Steps (General Guide)

1. **Remove Original Radio:** Carefully remove the existing car radio and dashboard trim. Use the provided installation tool if necessary.
2. **Connect Wiring Harness:** Connect the AMprime power cable and RCA cables to the corresponding ports on the new head unit and your vehicle's wiring harness. Ensure all connections are secure.
3. **Connect Canbus Decoder:** Integrate the Canbus decoder as per the wiring diagram to ensure steering wheel controls and other vehicle features function correctly.
4. **Install GPS Antenna:** Mount the GPS antenna in a location with a clear view of the sky, typically on the dashboard or under the windshield.
5. **Connect Rear Camera (Optional):** If installing the AHD rear view camera, route the camera cable to the rear of the vehicle and connect it to the designated input on the head unit.
6. **Test Connections:** Before fully reassembling the dashboard, reconnect the vehicle battery and power on the unit to test basic functions (power, audio, display).
7. **Secure Head Unit:** Mount the AMprime car stereo into the dashboard opening and secure it with the provided mounting accessories.
8. **Reassemble Dashboard:** Carefully reattach all dashboard trim pieces.

For Ford F150 F-150 2009-2012

After installation

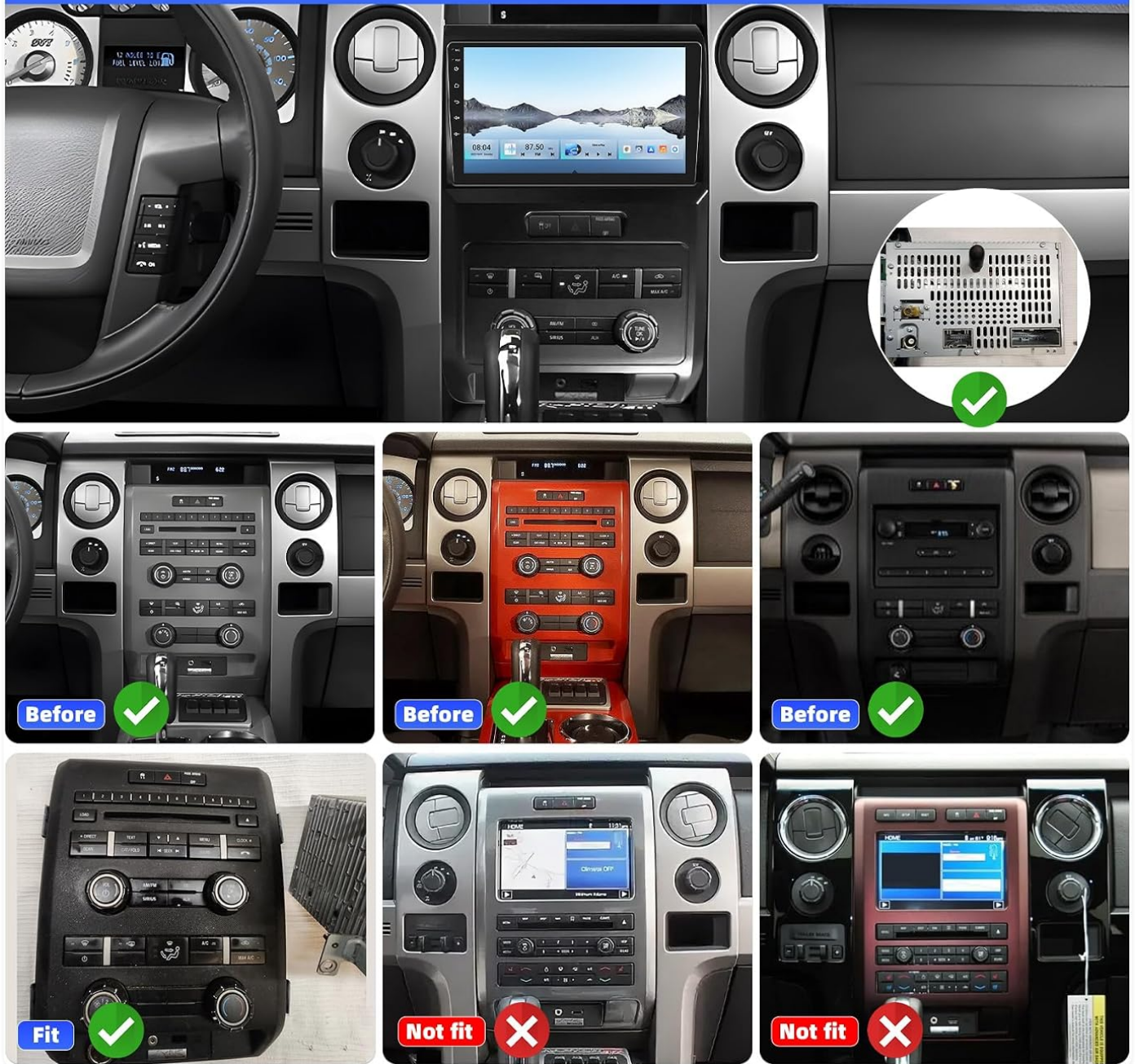


Figure 3.1: Example of AMprime Android 15 Car Stereo installed in a Ford F-150 dashboard.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

Press and hold the power button (usually located on the front panel or a soft button on the screen) to turn the unit on or off. A short press typically mutes or unmutes the audio.

4.2 Wireless CarPlay & Android Auto

The unit supports wireless CarPlay for iOS devices and Android Auto for Android devices, allowing seamless integration of your smartphone's features.

- **Connection:** Enable Bluetooth and Wi-Fi on your smartphone. On the car stereo, navigate to the CarPlay/Android application. Follow the on-screen prompts to pair your phone via Bluetooth. Once paired, the system will automatically establish a Wi-Fi connection for CarPlay/Android Auto.
- **Features:** Access navigation, make calls, send messages, play music, and use other compatible apps directly from the car stereo's display.

Wireless CarPlay/ Android Auto/Mirror Link

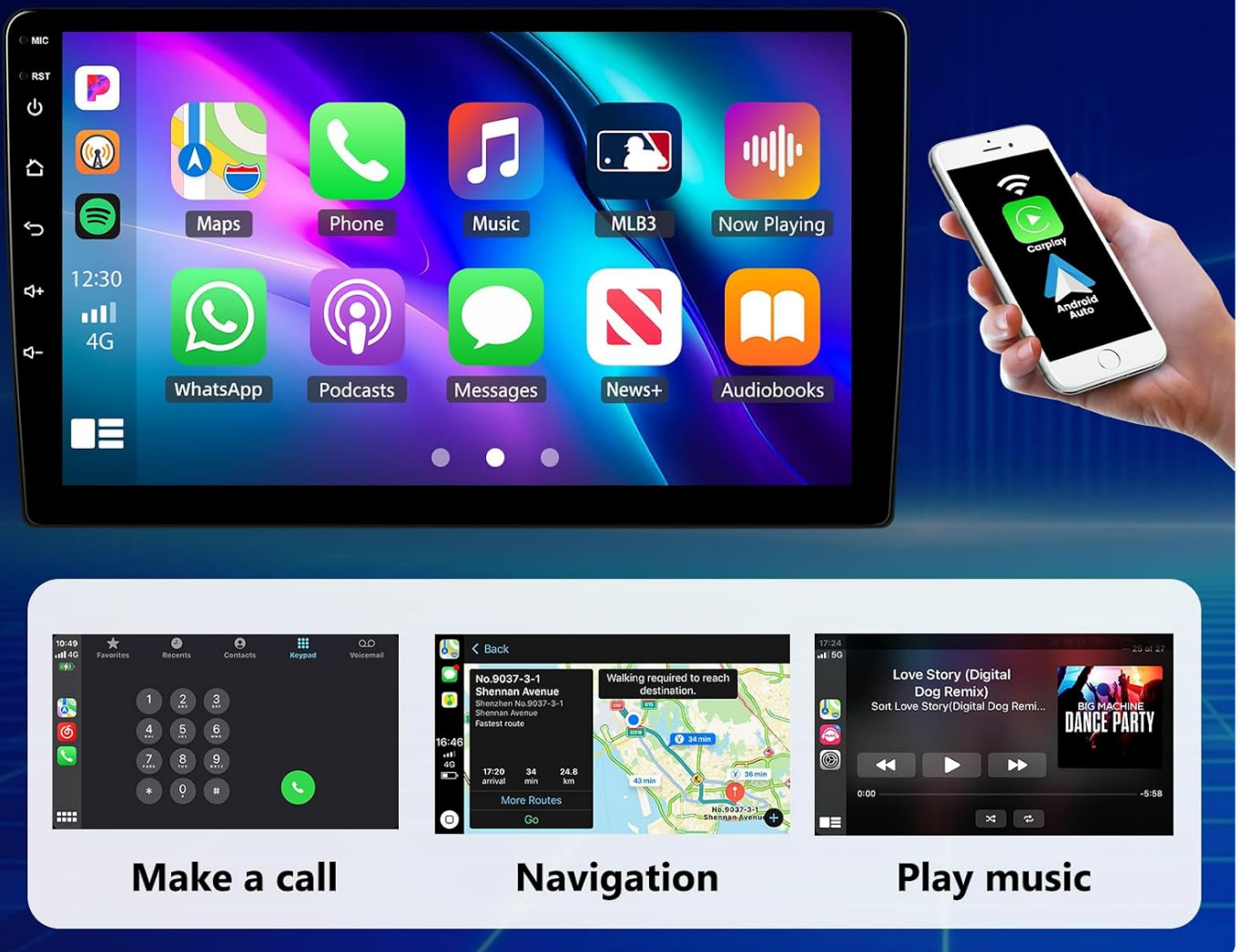


Figure 4.1: Wireless CarPlay and Android Auto interface.

4.3 GPS Navigation & WiFi Connectivity

The car stereo features a built-in GPS module and supports both offline and online navigation.

- **Offline Maps:** North American offline maps are pre-installed. Access them via the 'Maps' application without an internet connection.
- **Online Maps:** Connect the unit to a Wi-Fi hotspot (e.g., from your smartphone) to use online navigation services and download additional map data.

- **WiFi:** The built-in WiFi module allows you to connect to the internet, download apps from the Application Store, and stream content.

Qualcomm 8-Core Chipset/WiFi



GPS Navigation



Figure 4.2: GPS Navigation and Qualcomm 8-Core Chipset with WiFi.

4.4 Bluetooth 5.1

Bluetooth 5.1 provides a stable and fast connection for hands-free calling and audio streaming.

- **Pairing:** Go to the Bluetooth settings on the car stereo, enable Bluetooth, and search for your device. Select your device from the list and confirm the pairing code.
- **Hands-Free Calling:** Make and receive calls directly from the car stereo. Your phone's contact list can be synchronized.
- **Audio Streaming:** Play music from your smartphone through the car's speakers.

4.5 FM/RDS Radio

Enjoy your favorite radio stations with clear reception.

- **Tuning:** Use the on-screen controls to scan for stations or manually tune to a specific frequency.
- **RDS:** Radio Data System (RDS) displays station information, song titles, and other data where available.
- **Presets:** Save your preferred stations for quick access.

4.6 DSP & EQ Settings

Customize your audio experience with advanced sound processing features.

- **DSP (Digital Sound Processor):** Adjust frequency, AE (Acoustic Environment), 36-band equalization, and sound type to optimize audio quality for your vehicle's speakers.
- **EQ Presets:** Choose from various equalizer presets (e.g., Rock, Pop, Jazz) or create custom settings.



Figure 4.3: Bluetooth 5.1 and DSP Functionality.

4.7 Steering Wheel Control (SWC)

Integrate your vehicle's steering wheel controls for safe and convenient operation.

- **Setup:** Access the 'Steering Learn' or 'SWC Settings' menu in the unit's settings. Follow the on-screen instructions to map your steering wheel buttons to specific functions (e.g., volume up/down, track skip, answer call).

4.8 AHD Rear View Camera

The included AHD rear view camera provides a clear view of the area behind your vehicle when reversing.

- **Automatic Display:** When the vehicle is shifted into reverse, the camera feed will automatically display on the car stereo screen.
- **Features:** The camera offers a 170° ultra-wide field of view and excellent night vision capabilities.



Figure 4.4: Steering Wheel Control and AHD Rear View Camera display.

4.9 Split Screen & Picture-in-Picture (PIP)

Enhance multitasking with split-screen and picture-in-picture functionalities.

- **Split Screen:** Run two applications simultaneously side-by-side on the 9-inch display, such as navigation and music playback.
- **PIP Video:** Watch videos in a small, movable window while using other applications.

1280*720 QLED Touchscreen & PIP Video



Split Screen



Picture in Picture



Figure 4.5: Split Screen and Picture-in-Picture functionality.

4.10 Colorful UI Design & Customization

Personalize the user interface to match your preferences.

- **UI Background:** Customize the background image or color.
- **Dynamic Effects:** Explore 3D modeling technology for vehicle exterior and interior details, allowing 360° rotation views.

Colorful UI Design

You can adjust the ui color and font color as you wish

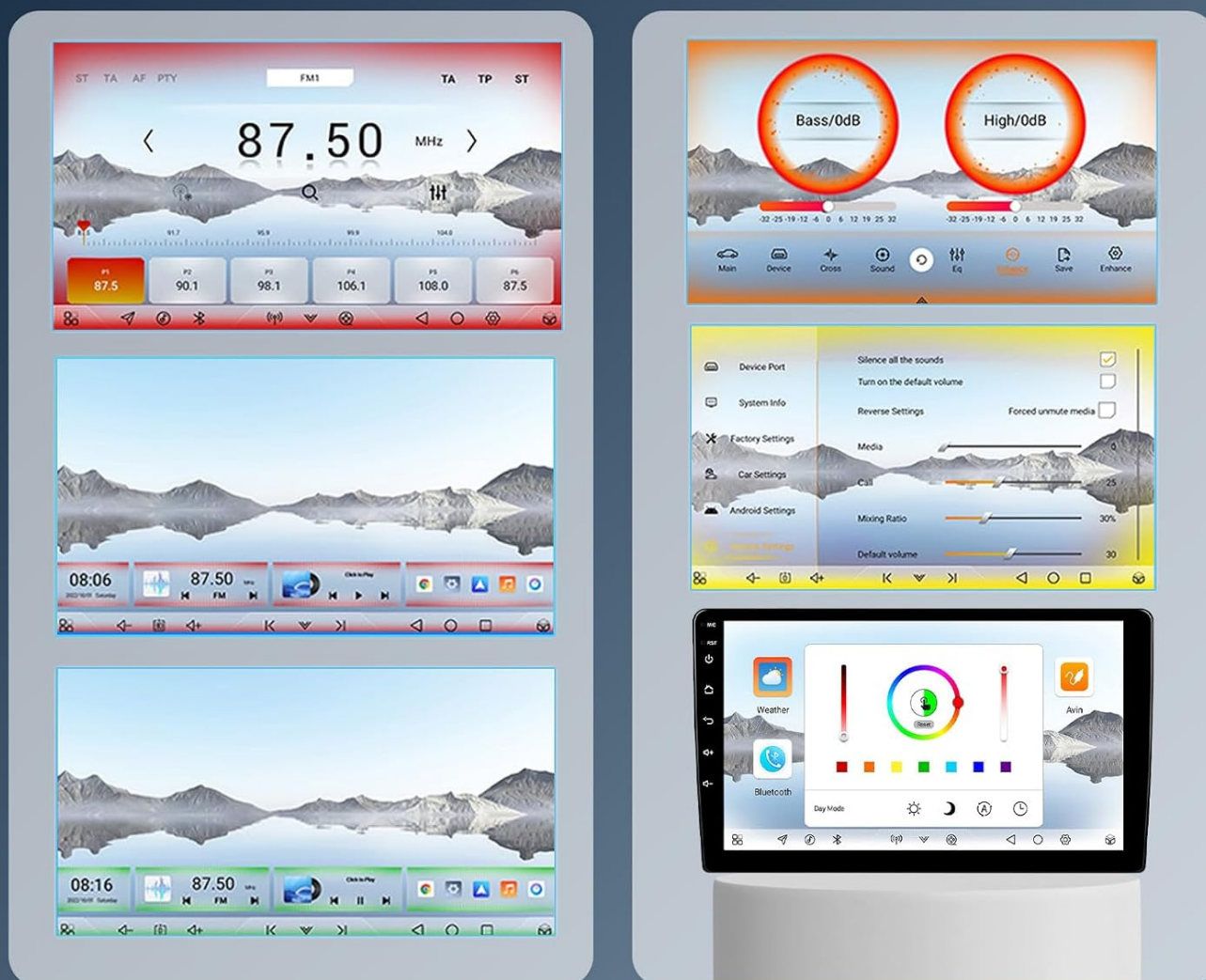


Figure 4.6: Customizable Colorful UI Design.

5. MAINTENANCE

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

- **Cleaning:** Use a soft, dry cloth to clean the screen and unit exterior. For stubborn smudges, a slightly damp cloth with a mild, non-abrasive cleaner can be used. Avoid harsh chemicals or abrasive materials.
- **Software Updates:** Periodically check for available software updates through the unit's settings or the manufacturer's website. Updates can improve performance, add new features, and fix bugs.
- **Cooling Fan:** The built-in cooling fan helps prevent overheating. Ensure the vents are not obstructed to allow proper airflow.
- **Environmental Conditions:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.

6. TROUBLESHOOTING

If you encounter issues with your car stereo, refer to the following common problems and solutions before contacting customer support.

Problem	Possible Cause	Solution
Unit does not power on.	Loose power connection, blown fuse, vehicle battery issue.	Check power cable connections. Inspect vehicle fuses. Ensure vehicle battery is charged.
No sound or distorted sound.	Speaker wiring issues, volume too low, incorrect audio settings.	Verify speaker connections. Adjust volume. Check EQ/DSP settings.
CarPlay/Android Auto not connecting.	Bluetooth/Wi-Fi off on phone, incorrect pairing, app issues.	Ensure phone's Bluetooth/Wi-Fi is on. Re-pair the device. Restart both phone and car stereo.
GPS signal lost or inaccurate.	GPS antenna obstruction, poor satellite reception.	Ensure GPS antenna has a clear view of the sky. Move vehicle to an open area.
Steering Wheel Controls not working.	Canbus not connected, SWC learning not completed.	Verify Canbus connection. Perform SWC learning procedure in settings.
Screen is unresponsive or frozen.	Software glitch.	Perform a soft reset (refer to unit's specific reset method, usually a small reset button or holding power button).

7. SPECIFICATIONS

Key technical specifications for the AMprime Android 15 Car Stereo (Model: 8-core Qualcomm 4+64g).

Feature	Detail
Operating System	Android 15
CPU	8-core Qualcomm
RAM	4GB
ROM (Internal Storage)	64GB
Screen Size	9 inches
Display Type	Capacitive Touch Screen, 1280*720 QLED
Connectivity	Bluetooth 5.1, Wi-Fi
Navigation	Built-in GPS, supports online/offline maps (North America pre-installed)
Audio Features	FM/RDS Radio, DSP tuning, 36-band EQ
Smartphone Integration	Wireless CarPlay, Android Auto, Mirror Link (iOS/Android)

Feature	Detail
Additional Features	Steering Wheel Control, AHD Rear View Camera support, Split Screen, Picture-in-Picture, Cooling Fan
Compatible Vehicle	Ford F-150 (2009-2012)
Parcel Dimensions	42.1 x 33.5 x 11.7 cm
Weight	2.14 kg
Country of Origin	China

8. WARRANTY AND CUSTOMER SUPPORT

8.1 Warranty Information

This AMprime car stereo comes with a standard manufacturer's warranty. Please refer to the warranty card included in your package or contact AMprime customer support for specific details regarding warranty duration and coverage.

8.2 Customer Support

For technical assistance, troubleshooting not covered in this manual, or warranty inquiries, please contact AMprime customer support:

- **Email:** AmprimeTechSupport@yeah.net
- **Manufacturer:** AMprime, Dover, Delaware 19901, US



Figure 8.1: AMprime Customer Support Contact Information.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

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