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Model: 11-inch Display Audio Drive Recorder

Brand: VANBAR

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your VANBAR 11-inch Display Audio Drive Recorder. This device integrates a high-resolution display with advanced drive recorder capabilities, wireless smartphone connectivity, and multiple audio output options to enhance your driving experience. Please read this manual thoroughly before use to ensure proper functionality and safety.



Image 1.1: Overview of the VANBAR 11-inch Display Audio Drive Recorder's key features, including CarPlay, Android Auto, voice control, split screen display, and integrated drive recorder functionality.

2. PRODUCT FEATURES

- **High-Resolution Dual Cameras:** Equipped with a 4K (3840x2160P) front camera and a 1080P Full HD waterproof rear camera for simultaneous recording. The rear camera also functions as a backup monitor when the vehicle is in reverse.
- **Advanced Image Correction:** WDR/HDR function automatically corrects overexposure in bright conditions (e.g., tunnel exits) and glare from headlights at night, ensuring clear and reliable video footage.
- **Wireless CarPlay & Android Auto:** Full support for wireless Apple CarPlay for iPhones and Android Auto for Android devices via Wi-Fi connection. Automatically connects when you enter the vehicle

with your smartphone.

- **Real-time Navigation:** Access and utilize the latest navigation applications such as Google Maps, Yahoo! Car Navi, and Car Navi Time. Eliminates the need for costly map updates, providing real-time road and traffic information.
- **11-inch IPS Display:** Features a large 11-inch IPS display with a 1920x720 resolution, offering superior pixel density for exceptionally clear display of navigation text and map details.
- **Low-Profile Design:** Engineered with a low-profile design to prevent obstruction of the driver's view when mounted on the dashboard, ensuring compliance with traffic laws and promoting safe driving.
- **Screen Mirroring:** Supports iOS AirPlay and Android screen mirroring (Cast) to display content from various video sources like YouTube and TikTok on the 11-inch screen (recommended for use when parked).
- **Multiple Audio Output Options:** Provides four audio output methods: built-in speaker, Bluetooth, AUX terminal, and FM transmitter, allowing high-quality audio playback through your car's stereo system.
- **Wide Vehicle Compatibility:** Compatible with 12V to 32V vehicles, including light cars, standard cars, large trucks, buses, and RVs, without requiring a separate power converter.
- **Easy Installation:** Simple 5-minute setup by plugging into the cigarette lighter socket and securing to the dashboard. No complex wiring required.
- **Essential Drive Recorder Functions:** Includes G-sensor (impact detection), loop recording, and support for large capacity microSD cards to ensure comprehensive recording capabilities.

3. SETUP

1. **Mounting the Display:** Securely attach the main display unit to your vehicle's dashboard using the provided mounting accessories. Ensure the unit does not obstruct your view of the road or interfere with vehicle controls.
2. **Power Connection:** Insert the Type-C power cable into the display unit and plug the other end into your vehicle's cigarette lighter socket. The unit supports 12V to 32V power input.
3. **Rear Camera Installation:** Install the 1080P waterproof rear camera at the rear of your vehicle. Connect the rear camera cable to the main display unit. Ensure the cable is routed safely and securely, avoiding interference with moving parts or sharp edges.
4. **MicroSD Card Insertion:** Insert a compatible microSD card (not included, large capacity supported) into the designated slot on the display unit for drive recorder storage.
5. **Initial Power On:** Start your vehicle. The display unit should power on automatically. Follow any on-screen prompts for initial setup.



4. OPERATING INSTRUCTIONS

4.1. Wireless CarPlay and Android Auto

- Ensure your smartphone's Wi-Fi and Bluetooth are enabled.
- On the display unit, select the CarPlay or Android Auto icon.
- Follow the on-screen instructions to pair your smartphone wirelessly. Once paired, your phone's compatible apps will appear on the display.
- Navigation apps will automatically update with real-time traffic information.



Image 4.1: The user interface displaying wireless CarPlay and Android Auto, showing navigation, music, and

4.2. Screen Mirroring

- For iOS devices, use AirPlay. For Android devices, use the Cast function.
- Select the mirroring option on the display unit and follow your phone's instructions to connect.
- Video content from apps like YouTube and TikTok can be displayed. For safety, this feature is recommended for use only when the vehicle is parked.

4.3. Audio Output

The unit supports four audio output methods:

- **Built-in Speaker:** Audio plays directly from the unit's integrated speaker.
- **Bluetooth:** Connect to your car's existing Bluetooth system for audio playback.
- **AUX Terminal:** Use an AUX cable to connect to your car's AUX input for wired audio transmission.
- **FM Transmitter:** Transmit audio wirelessly to your car's FM radio by tuning to a specific frequency.

4.4. Drive Recorder Functions

- **Simultaneous Recording:** The front 4K camera and rear 1080P camera record simultaneously when the unit is powered on.
- **Loop Recording:** Older files are automatically overwritten by new recordings when the microSD card is full, ensuring continuous recording.
- **G-Sensor (Impact Detection):** In the event of a sudden impact or collision, the G-sensor automatically locks the current video file to prevent it from being overwritten, preserving critical evidence.
- **Backup Monitor:** When the vehicle is shifted into reverse, the display automatically switches to the rear camera view, providing parking assistance.

前方4K高画質 & 後方駐車アシスト

前後同時録画の鮮明な映像で、CarPlay使用中も安心のドライブをサポートします。



4Kフロントカメラ



1080Pリアカメラ



ループ録画



多角度調整可能な
ドライブレコーダー

防水視野角170°



リバースアシスト線



Gセンサー機能

Image 4.2: Depiction of the front 4K camera and rear 1080P camera, highlighting their role in comprehensive drive recording.

4.5. Voice Control and Navigation

- Utilize Siri (for Apple CarPlay) or Google Assistant (for Android Auto) for hands-free control.
- Commands can include navigation instructions, making calls, playing music, and more.
- This feature allows for safer operation by minimizing driver distraction.

音声コントロール&ナビゲーションシステム

ハンドルから手を離すことなく、音声で各種機能を操作可能。より安全で快適なドライブを実現します。



Image 4.3: An illustration showing the voice control interface, demonstrating interaction with Siri and Google Assistant for various functions.

5. SPECIFICATIONS

Feature	Description
Brand Name	VANBAR
Manufacturer Name	VANBAR
Display Size	11 inches

Display Resolution	1920 x 720 pixels
Front Camera Resolution	4K (3840 x 2160P)
Rear Camera Resolution	1080P Full HD
Power Input	Type-C, 12V-32V
Connectivity	Wireless CarPlay, Android Auto, Bluetooth, Wi-Fi, AUX, FM Transmitter
Special Features	WDR/HDR, G-Sensor, Loop Recording, Screen Mirroring (AirPlay/Cast)
Product Dimensions (D x W x H)	5 x 5 x 5 cm (Note: This dimension seems generic and may not reflect actual product size.)
Origin	China

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the display screen and unit exterior. Avoid using abrasive cleaners or solvents.
- **Software Updates:** Periodically check the manufacturer's website for any available firmware updates to ensure optimal performance and access to new features.
- **MicroSD Card:** Format the microSD card regularly (e.g., once a month) to maintain recording stability and prevent data corruption. Back up important recordings before formatting.
- **Cable Connections:** Ensure all cables are securely connected and free from damage. Loose connections can affect performance.

7. TROUBLESHOOTING

- **Unit does not power on:** Check the power cable connection to the cigarette lighter socket and the unit. Ensure the vehicle's ignition is on. Verify the cigarette lighter socket is functioning.
- **CarPlay/Android Auto not connecting:** Ensure your smartphone's Wi-Fi and Bluetooth are active. Restart both the display unit and your smartphone. Re-attempt the pairing process.
- **No video recording:** Check if a microSD card is inserted and properly formatted. Ensure loop recording is enabled in settings.
- **Poor video quality:** Clean the camera lenses. Ensure the cameras are securely mounted and not obstructed. Check WDR/HDR settings.
- **No audio output:** Verify the selected audio output method (built-in speaker, Bluetooth, AUX, FM transmitter) is correctly configured. Adjust volume settings on both the unit and your car stereo.
- **Screen mirroring issues:** Ensure your smartphone and the display unit are connected to the same Wi-Fi network (if applicable for your mirroring method). Restart both devices.
- **Important Note:** This product does not run on a full Android operating system and does not support direct Netflix streaming. YouTube viewing requires the screen mirroring function from your smartphone.

8. WARRANTY AND SUPPORT

This product comes with a **1-year manufacturer's warranty**. For warranty claims or technical support, please contact VANBAR customer service. Please retain your proof of purchase for warranty validation.

Compatibility Note: Full compatibility with all vehicle models is not guaranteed. If you have any questions regarding compatibility, please contact our customer support before making a purchase to confirm suitability for your vehicle.