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VIKNAN SYNC-3

VIKNAN 14.4 Inch Vertical Screen Car Radio User Manual

Model: SYNC-3 for Ford F-150 / Raptor (2015-2022)

1. PRODUCT OVERVIEW

This manual provides instructions for the VIKNAN 14.4-inch vertical screen car radio, designed as an Android auto stereo receiver, multimedia player, and GPS navigation head unit. It is specifically compatible with Ford F-150 and Raptor models from 2015 to 2022 that are equipped with the SYNC-3 system.

The unit features a 14.4-inch HD touch screen with a resolution of 1920*1200, powered by a Qualcomm Octa-Core Processor Snapdragon 665 Model with 8GB RAM and 128GB ROM for smooth operation and fast read/write speeds.

2. VEHICLE COMPATIBILITY

This unit is designed for Ford F-150 and Raptor vehicles manufactured between 2015 and 2022 that are equipped with the original SYNC-3 system. Please verify your vehicle's current SYNC system before installation.



Original Car small screen 4 inch



Original Car big screen 8 inch

Image: This image illustrates the visual differences between Ford SYNC 1, SYNC 2, and SYNC 3 dashboard layouts, highlighting the specific button configurations and screen sizes for each system. The VIKNAN unit is compatible with the SYNC 3 configuration, which typically features four distinct buttons and an 8-inch screen with all app displays at the bottom.



Image: A detailed comparison showing the dashboard interfaces for SYNC 1, SYNC 2, and SYNC 3 systems. It emphasizes that the VIKNAN unit is compatible with SYNC 3, which has a specific button arrangement and an 8-inch screen with applications displayed at the bottom, unlike SYNC 1 (4-inch screen, same buttons) or SYNC 2 (8-inch screen, different corner colors).

3. PACKAGE CONTENTS

Please ensure all items are present in the package before proceeding with installation:

- VIKNAN 14.4-inch Vertical Screen Head Unit
- Wiring Harnesses (various connectors for power, audio, data)
- GPS Antenna
- External Microphone
- USB Cables
- Mounting Brackets/Bezel
- Owner's Manual (this document)
- Additional accessories as pictured



Image: This image displays all components included in the VIKNAN car radio package, laid out on a white surface. It shows the main vertical screen unit, various wiring harnesses, a GPS antenna, an external microphone, USB cables, and mounting hardware.

4. SETUP AND INSTALLATION

Installation of the VIKNAN head unit is designed to be plug-and-play, generally not requiring wire cutting. However, professional installation is recommended if you are unfamiliar with car audio systems.

4.1 Pre-Installation Steps

1. **Disconnect Battery:** Before starting, disconnect the vehicle's negative battery terminal to prevent electrical shorts.
2. **Remove Original Components:** Carefully remove the factory small screen, the controller unit behind it, and the CD player from your dashboard.
3. **SYNC 1 Specific Note:** If your vehicle has a SYNC 1 system (though this unit is for SYNC 3), you would typically need to remove the old circuit board from the SYNC 1 unit. For SYNC 3, this step is generally not required.

4.2 Connecting the Unit

1. **Connect Wiring Harnesses:** Attach the provided wiring harnesses to the corresponding ports on the new head unit and the vehicle's existing wiring. All adapters are designed for a direct fit.

2. **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.
3. **Install External Microphone:** Connect the external microphone and mount it in a suitable location for clear voice pickup during calls and voice commands. The factory microphone is not used.
4. **Secure Mounting:** Use the provided screws to secure the new bezel and head unit into the dashboard. Ensure proper alignment and avoid overtightening to prevent stripping mounts.

4.3 Post-Installation

1. **Reconnect Battery:** Reconnect the vehicle's negative battery terminal.
2. **Initial Power On:** Turn on the vehicle's ignition and power on the head unit.
3. **System Reset (SIM Card):** If you insert a SIM card for 4G LTE connectivity, the car radio may require a system reset to properly recognize the network.

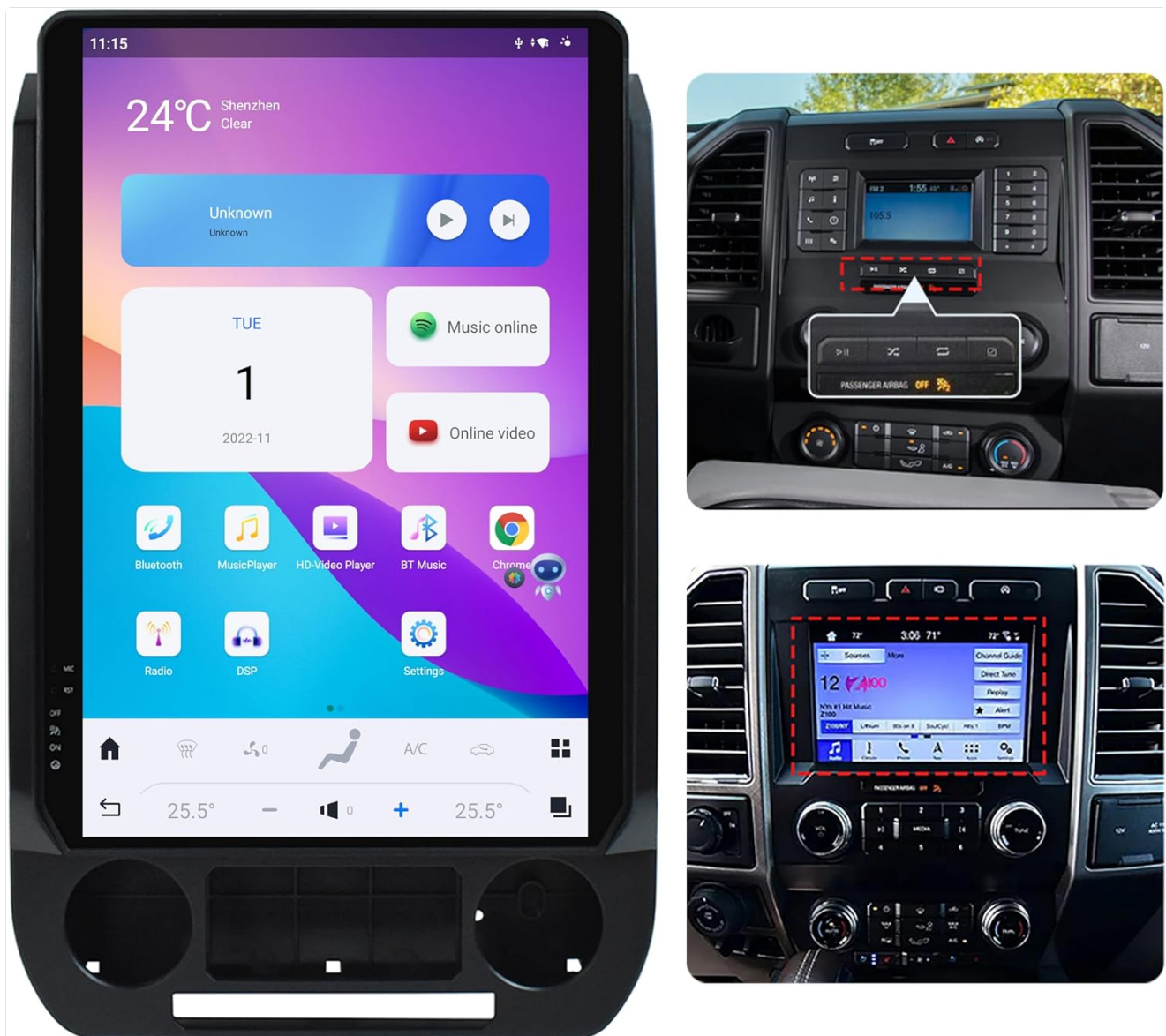


Image: This image shows the VIKNAN 14.4-inch vertical screen car radio fully installed in the dashboard of a Ford F-150, displaying its user interface. It demonstrates the integrated appearance of the unit within the vehicle's interior.



Image: A collage of close-up images showing the VIKNAN car radio after installation. It highlights the fitment, the side buttons on the unit, and the integration with the vehicle's climate controls and vents.

5. OPERATING INSTRUCTIONS

5.1 Basic Navigation and Interface

- **Touch Screen:** The unit operates via a responsive 14.4-inch HD touch screen. Navigate through menus and applications by tapping, swiping, and pinching.
- **Android System:** The unit runs on an Android operating system, providing access to various applications and a familiar user interface.



Image: This image displays the main Android system interface on the VIKNAN car radio screen, showing various app icons and widgets for weather, music, and video, indicating its tablet-like functionality.

5.2 Connectivity

- **Bluetooth 5.0:** Connect your smartphone for hands-free calling and audio streaming. Access your phonebook directly from the unit.
- **Wi-Fi:** Connect to a Wi-Fi hotspot (e.g., from your mobile phone) to access online features, download apps, and browse the internet.
- **4G LTE Network:** Insert a SIM card directly into the unit to provide independent 4G LTE network connectivity.



Image: The Bluetooth 5.0 interface is shown on the car radio screen, illustrating how to connect a mobile phone for hands-free communication and music playback. A phone icon with a contact is visible, indicating call functionality.

5.3 CarPlay and Android Auto

- **Connection:** Connect your iPhone or Android phone via a USB cable to activate CarPlay or Android Auto.
- **Features:** Use smart voice assistants or the touch display to access navigation, make calls, send/receive messages, and enjoy music.
- **Note:** When using CarPlay or Android Auto via Bluetooth, the Wi-Fi connection will be disconnected as they cannot operate simultaneously.



Image: This image demonstrates the wireless CarPlay feature on the VIKNAN car radio, showing an iPhone connected to the unit and the CarPlay interface displayed on the large screen with various app icons.

5.4 GPS Navigation

- The unit includes a built-in GPS navigation module with worldwide map support.
- Access navigation applications through the Android system.



Image: The GPS navigation interface is displayed on the VIKNAN car radio, showing a map with routes and points of interest. Below the main map, smaller screens illustrate additional features like web browsing and file management.

5.5 Multimedia Playback

- **Audio:** Play music files from internal storage, USB devices, or streaming services.
- **Video:** Enjoy video playback on the 1080P HD screen.
- **Radio:** Tune into AM/FM radio stations using the built-in radio application.



Image: The radio interface of the VIKNAN car radio is shown, displaying a frequency of 87.50 MHz and a visual representation of sound waves at the bottom, indicating active audio playback.



Image: This image illustrates the 1080P HD screen quality of the VIKNAN car radio, showing a video playing on the upper half of the screen while the lower half displays climate control settings. A film strip graphic is overlaid on the left.

5.6 Reverse Camera Functionality

- The unit automatically powers on the rear view camera display when shifting into reverse gear.
- This feature enhances safety by eliminating blind spots. Note that the unit may require a new reverse camera as it might not integrate with the factory backup camera.

6. MAINTENANCE

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

- **Screen Cleaning:** Use a soft, lint-free cloth to gently wipe the screen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid harsh chemicals or abrasive materials.
- **General Cleaning:** Keep the unit and surrounding dashboard area free of dust and debris. Use a soft brush or compressed air for hard-to-reach areas.
- **Software Updates:** Periodically check for available software updates from VIKNAN to ensure optimal performance and access to new features. Follow instructions provided by VIKNAN for any updates.
- **Avoid Extreme Temperatures:** Do not expose the unit to extreme heat or cold for extended periods, as this can affect its electronic components.

7. TROUBLESHOOTING

If you encounter issues with your VIKNAN car radio, refer to the following common problems and solutions:

- **Bluetooth, CarPlay, or Android Auto Not Working:** If these features are not functioning correctly, contact VIKNAN support to receive software for a system upgrade.
- **Wi-Fi Disconnects with CarPlay/Android Auto:** This is expected behavior. Wi-Fi will be disconnected when Bluetooth is used for CarPlay or Android Auto, as they cannot operate simultaneously.
- **Unit Requires Reset After SIM Card Insertion:** After inserting a SIM card for 4G LTE, perform a system reset on the car radio to ensure proper network detection and functionality.

- **Steering Wheel Controls Not Fully Functional:** While the unit is designed to integrate with factory steering wheel controls, some specific functions (e.g., next/back track) may not work with all applications or vehicle configurations. Ensure all connections are secure. If issues persist, contact technical support.
- **USB Port Limitations:** The USB ports are primarily for media playback and phone connectivity. Copying files directly to the unit's internal storage (ROM) may require specific file management applications (e.g., EFileShare) rather than standard Android file managers. Direct connection of certain USB devices (e.g., USB Dashcam) may be limited.
- **Microphone Quality Issues:** The unit uses a provided external microphone, not the factory one. If call quality is poor, ensure the external microphone is properly positioned and connected.
- **Slow Reload Time:** The unit may take longer to reload if the vehicle is turned off and back on too quickly. This is generally normal behavior for Android-based systems.
- **No Integration with Factory Backup Camera:** The unit may not integrate with the vehicle's original backup camera system. A new, compatible reverse camera may be required for full functionality.
- **Reverse Camera Guides:** If reverse camera guides are not adjustable or appear incorrectly, consult technical support for potential software adjustments.

For persistent issues or problems not listed here, please contact VIKNAN customer support.

8. SPECIFICATIONS

Feature	Specification
Model Name	SYNC-3
Display Size	14.4 Inches
Display Resolution	1920*1200
Processor	Qualcomm Octa-Core Snapdragon 665
RAM	8GB (LPDDR4)
ROM	128GB
Operating System	Android
Connectivity	Wi-Fi, Bluetooth 5.0, 4G LTE (with SIM card slot)
Special Features	Built-in CarPlay, Android Auto, GPS Navigation, Play Store App, Screen Mirror Link
Map Type	Worldwide
Audio Output Mode	Stereo
Mounting Type	Dashboard Mount
Item Weight	9.2 pounds
Product Dimensions	8 x 5 x 9 inches

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The VIKNAN 14.4 Inch Vertical Screen Car Radio comes with a **1-Year Warranty** from the date of purchase, covering manufacturing defects.

9.2 Customer Support

For technical assistance, installation guidance, or warranty claims, please contact VIKNAN customer support:

- **Email:** viknav007@outlook.com
- **Response Time:** 24 hours quick response
- **Technical Support:** Lifetime technical support is provided.
- **Returns:** 30 days no reason refund policy.
- **Resources:** Installation manuals and videos are available upon request.



Image: This image provides details on VIKNAN's after-sales service, including the support email address, refund policy, technical support duration, response time, and availability of installation resources.

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