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› XTRONS 8.8 Inch Android 14 Car Stereo User Manual

XTRONS PX8446BLHG

XTRONS 8.8 Inch Android 14 Car Stereo User Manual

Model: PX8446BLHG

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your XTRONS 8.8 Inch Android 14 Car Stereo. Please read this manual thoroughly before using the product to ensure proper functionality and safety. This head unit is designed to enhance your in-car entertainment and navigation experience with advanced features and connectivity options.

APPLICABLE MODELS & YEARS

This XTRONS car stereo is compatible with the following vehicle models:

- For BMW E46 4-door Sedan (1998-2005)
- For BMW E46 2-door Coupe (1999-2006)
- For BMW E46 2-door Convertible (1999-2006)
- For BMW E46 M3 (2000-2006)
- For Rover 75 (1999-2005)
- For MG ZT (2001-2005)

Applicable Models & Years

For BMW

For BMW E46 4-door Sedan (1998-2005), BMW E46 2-door Coupe (1999-2006), BMW E46 2-door Convertible (1999-2006), E46 M3 (2000-2006)

For Rover

For Rover 75 (1999-2005)

For MG

For MG ZT (2001-2005)



Figure 1: Comparison of the dashboard before and after the installation of the XTRONS 8.8 Inch Android 14 Car Stereo, demonstrating the integrated fit.

MAIN FEATURES

The XTRONS PX8446BLHG unit offers a range of advanced features for an enhanced driving experience:

- **Latest Android 14 with Octa Core:** Equipped with 4GB RAM and 64GB ROM for responsive performance and ample storage for applications.
- **8.8" Premium HD IPS Screen:** A 1280x720 resolution G+G high-resolution touch screen with 178° viewing angle for clear visuals without color shifts.
- **Global 4G LTE Connectivity:** Supports Micro-SIM card for mobile broadband access anywhere, with download speeds up to 300Mbps.
- **Wireless CarPlay and Android Auto:** Seamless smartphone integration for navigation, calls, and music with voice control via "Hey Siri" or "Hey Google".
- **Built-in DSP (Digital Sound Processor):** Enhances audio quality and allows for advanced sound customization.
- **Dual Band Wi-Fi:** Supports both 2.4GHz and 5GHz bands for faster and more stable wireless connections.
- **Bluetooth 5.0:** Provides stable audio transmission for hands-free calls and music streaming.

- **Off-Road Inclinometer Function:** Built-in gyroscope sensors accurately display vehicle pitch and roll angles, useful for off-road driving.
- **Optimized CANbus Decoding:** Ensures original vehicle features like steering wheel control, ACC control, and door status work perfectly after upgrade.



Figure 2: Front view of the XTRONS 8.8 Inch Android 14 Car Stereo highlighting its core specifications.



Figure 3: Illustration of the global 4G LTE modem, dual band WiFi (2.4GHz and 5GHz), and mobile network sharing capabilities.

Smartphone Connection



Figure 4: Overview of smartphone connectivity features: Wireless CarPlay, Wireless/Wired Android Auto, and Screen Mirroring.

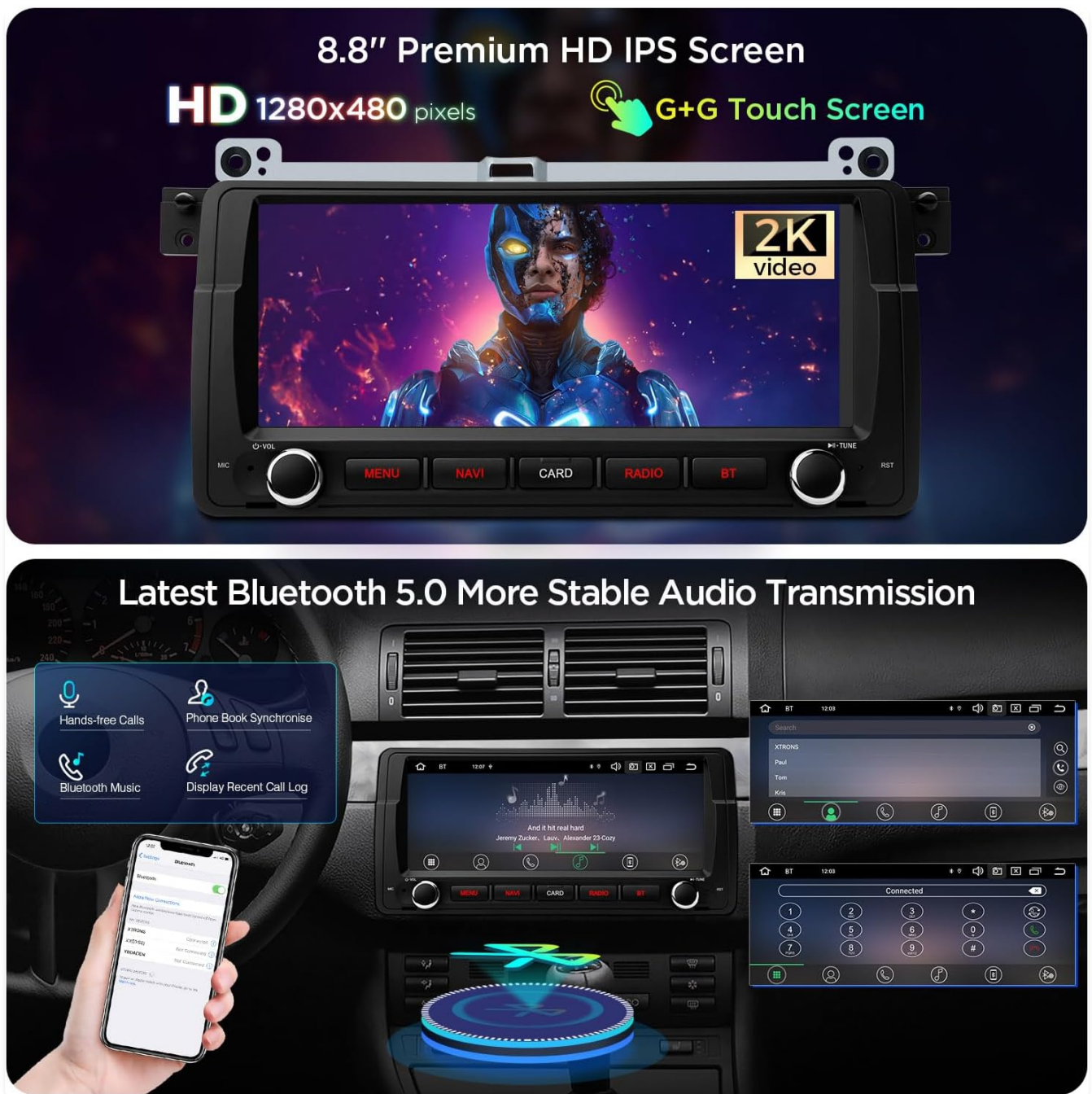


Figure 5: Details of the 8.8 inch Premium HD IPS screen and the Bluetooth 5.0 interface for stable audio transmission and phone synchronization.

Inclinometer Information, Perfect for off-road Use

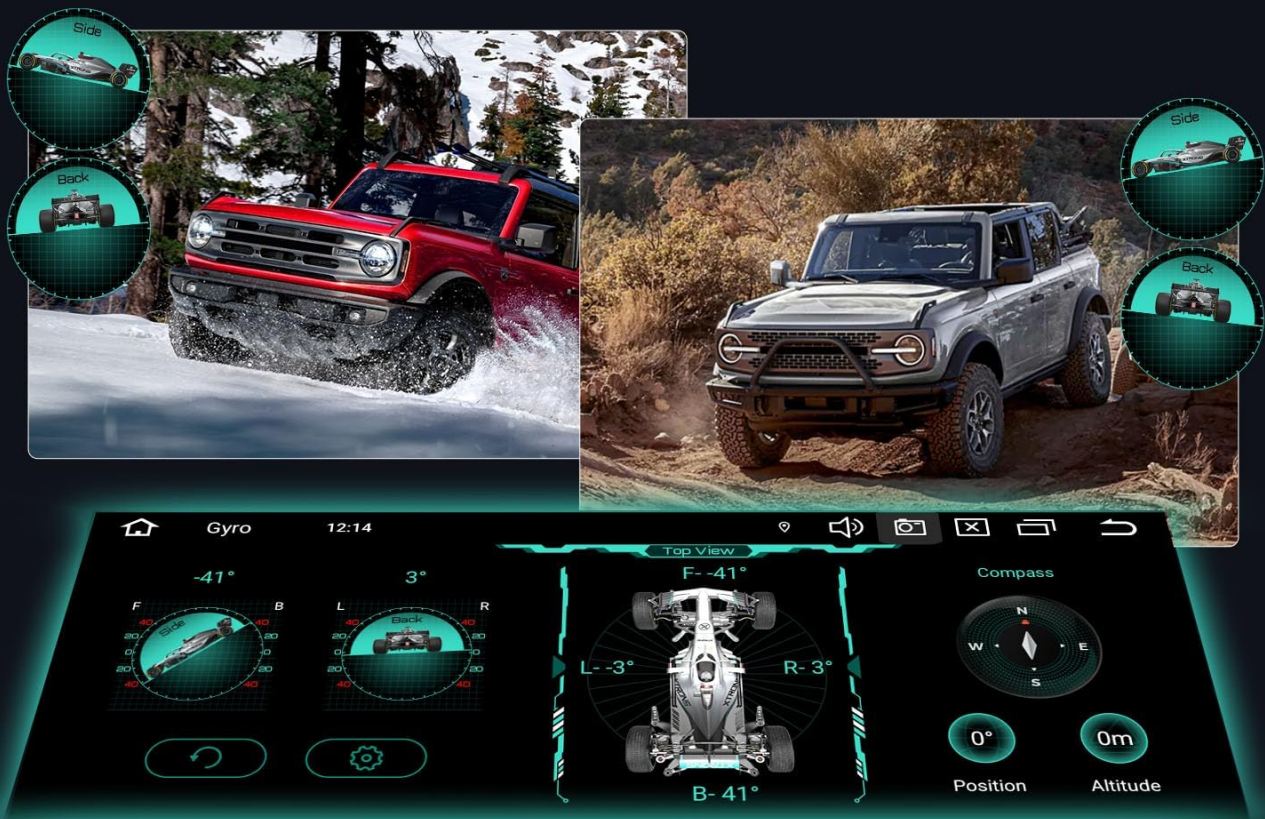


Figure 6: Display of the off-road inclinometer function, providing real-time pitch and roll angles of the vehicle.

WHAT'S IN THE BOX (ACCESSORIES)

Please check the contents of your package against the list below:

- 1 × ISO Wiring Harness
- 1 × SIM Card Slot Cable
- 1 × 4G Antenna
- 1 × Camera Cable
- 1 × GPS Antenna
- 1 × Radio Cable Adapter
- 2 × Fitting Key
- 1 × Microphone

- 2 × USB Cable
- 1 × Radio Antenna Cable
- 1 × CANbus Box
- 1 × User Manual



Figure 7: A visual representation of all accessories included with the XTRONS 8.8 Inch Android 14 Car Stereo.

INSTALLATION GUIDE

Wiring Diagram

Refer to the wiring diagram below for proper connection of the head unit to your vehicle's electrical system. Ensure all connections are secure before powering on the device.

Wiring Diagram



1. 4G Antenna
2. GPS Antenna
3. Radio Antenna Port
4. 4G SIM Card Slot
5. Microphone Port
6. CVBS-IN-2, Front Camera Input
7. SUBWOOFER, Subwoofer Output
8. AUX IN L, Audio Input Left
9. AUDIO OUT L, Audio Output Left
10. 2176, Amplifier Control Cable
11. AUX IN R, Audio Input Right
12. AUDIO OUT R, Audio Output Right
13. CVBS-IN-1, Video Input1
14. RR OUT, Rear Right Audio Output
15. RL OUT, Rear Left Audio Output
16. BRAKE, Brake In Cable
17. Back, Reversing Control Cable

18. BT-ANT, Bluetooth Antenna
19. Wi-fi Antenna
20. CAM IN, Camera Video Input
21. USB Port1
22. USB Port2
23. USB Port3
24. CANbus Box
25. ACC
26. ACC
27. Reversing Control Cable
28. BRAKE, Brake-in Cable
29. KEY1, Steering Wheel Control Key1
30. KEY2, Steering Wheel Control Key2
31. ISO Wiring Harness 1
32. ISO Wiring Harness 2
33. ISO Wiring Harness 3

Figure 8: Comprehensive wiring diagram for the XTRONS car stereo, detailing each port and its function.

Wiring Legend:

No.	Description
1	4G Antenna
2	GPS Antenna
3	Radio Antenna Port
4	4G SIM Card Slot
5	Microphone Port
6	CVBS-IN-2, Front Camera Input
7	SUBWOOFER, Subwoofer Output

No.	Description
8	AUX IN L, Audio Input Left
9	AUDIO OUT L, Audio Output Left
10	2176, Amplifier Control Cable
11	AUX IN R, Audio Input Right
12	AUDIO OUT R, Audio Output Right
13	CVBS-IN-1, Video Input1
14	RR OUT, Rear Right Audio Output
15	RL OUT, Rear Left Audio Output
16	BRAKE, Brake In Cable
17	Back, Reversing Control Cable
18	BT-ANT, Bluetooth Antenna
19	Wi-fi Antenna
20	CAM IN, Camera Video Input
21	USB Port1
22	USB Port2
23	USB Port3
24	CANbus Box
25	ACC
26	ACC
27	Reversing Control Cable
28	BRAKE, Brake-in Cable
29	KEY1, Steering Wheel Control Key1
30	KEY2, Steering Wheel Control Key2
31	ISO Wiring Harness 1
32	ISO Wiring Harness 2
33	ISO Wiring Harness 3

Smartphone Connectivity (Wireless CarPlay & Android Auto)

The unit supports both Wireless CarPlay and Wireless/Wired Android Auto. To connect, ensure Bluetooth is enabled on your smartphone and pair it with the head unit. Follow the on-screen prompts to activate CarPlay or Android Auto. This allows for seamless access to navigation, music, calls, and messaging directly from the head unit's display, enhancing driving safety by minimizing phone interaction.

Global 4G LTE Connectivity

Insert a Micro-SIM card into the designated slot (refer to the wiring diagram for location). Once inserted, the unit will automatically detect the network. This feature provides independent internet access for streaming, navigation, and app usage without relying on a Wi-Fi hotspot from your phone.

Off-Road Inclinometer Function

Access the inclinometer application from the main menu. This feature utilizes built-in gyroscope sensors to display real-time pitch and roll angles of your vehicle. It is designed to provide critical information for off-road driving, helping you monitor vehicle stability on uneven terrain.

Bluetooth 5.0 Operation

To pair a Bluetooth device, navigate to the Bluetooth settings on the head unit. Enable Bluetooth on your phone and search for the XTRONS device. Select it to pair. Once connected, you can make hands-free calls, stream audio, and synchronize your phone book. The Bluetooth 5.0 standard ensures a stable and high-quality wireless connection.

MAINTENANCE

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

- **Cleaning the Screen:** 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 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 button crevices.
- **Software Updates:** Periodically check the XTRONS official website or contact support for available software updates. Keeping the firmware updated can improve performance and add new features.
- **Avoid Extreme Temperatures:** Do not expose the unit to extreme heat or cold for prolonged periods, as this can affect electronic components.

TROUBLESHOOTING

If you encounter issues with your XTRONS car stereo, refer to the following common troubleshooting steps:

- **No Power:** Check all power connections, including the ISO wiring harness and ACC wire. Ensure the vehicle's ignition is on. Check the fuse.
- **No Sound:** Verify speaker connections. Check volume levels and ensure the mute function is not activated. Confirm audio output settings in the system menu.
- **GPS Signal Loss:** Ensure the GPS antenna is properly installed and has a clear line of sight to the sky. Avoid

placing it under metal objects.

- **Bluetooth Connection Issues:** Ensure Bluetooth is enabled on both the head unit and your smartphone. Try unpairing and re-pairing the devices. Clear Bluetooth cache on your phone if necessary.
- **Touchscreen Unresponsive:** Try restarting the unit. If the issue persists, a factory reset might be necessary (note: this will erase all user data).
- **Apps Crashing/Slow Performance:** Close background applications. Clear app caches. If the issue persists, consider a factory reset or check for system updates.

For more complex issues, please contact XTRONS customer support.

TECHNICAL SPECIFICATIONS

Feature	Specification
Item Weight	5.64 pounds
Package Dimensions	12.5 x 9.8 x 8.2 inches
Item Model Number	PX8446BLHG
Display Size	8.8 Inches
Operating System	Android 14
Processor	Octa-core
RAM	4GB
Internal Storage	64GB
Screen Resolution	1280x720 (HD)
Screen Type	IPS Touch Screen (G+G)
Connectivity Technology	Bluetooth 5.0, USB, Wi-Fi (2.4GHz & 5GHz), 4G LTE
Special Features	Built-in DSP, Wireless CarPlay, Android Auto, Off-Road Inclinometer
Mounting Type	Dashboard Mount

WARRANTY AND SUPPORT

XTRONS products are designed for reliability and performance. For any support inquiries or warranty claims, please refer to the following information:

- **Manufacturer:** XTRONS
- **Protection Plans:** Additional protection plans may be available for purchase, offering extended coverage beyond the standard manufacturer's warranty. Please check with your retailer for details on 2-Year or 3-Year protection plans.

- **Customer Service:** For technical assistance, troubleshooting, or warranty service, please visit the official XTRONS website or contact their customer support directly.