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› XTRONS Android 11 Car Stereo Radio Player PQS8146BL Instruction Manual

XTRONS PQS8146BL

XTRONS Android 11 Car Stereo Radio Player PQS8146BL Instruction Manual

Model: PQS8146BL

1. PRODUCT OVERVIEW

The XTRONS PQS8146BL is an Android 11 car stereo radio player designed to enhance your in-car entertainment and navigation experience. It features an 8.8-inch high-definition touch screen, a Hexa Core processor, and various connectivity options.

1.1 Applicable Models

- BMW E46 4-door Sedan (1998-2005)
- BMW E46 2-door Coupe (1999-2006)
- BMW E46 2-door Convertible (1999-2006)
- BMW E46 5-door Touring (1999-2005)
- BMW E46 3-door Hatchback (2000-2004)
- BMW E46 M3 (2000-2006)
- Rover 75 (1999-2005)
- MG ZT (2001-2005)

1.2 Key Features

- **Display:** 8.8-inch High Definition (1280*480) capacitive touch screen.
- **Performance:** Android 11 operating system, Hexa Core Rockchip PX6 CPU with 4GB RAM and 64GB ROM.
- **Video Playback:** Supports 4K video format playback.
- **Audio:** Built-in Digital Sound Processor (DSP) for enhanced audio quality.
- **Connectivity:** Built-in Wireless Car Auto Play, Wired Android Auto, Bluetooth 5.0, Dual Band Wi-Fi (2.4GHz and 5GHz).
- **Output:** Built-in HDMI output (audio via streaming; AUX input, DVD, radio, or Bluetooth calls not supported).
- **Navigation:** Supports Google Maps, Sygic, Waze, and other Android-compatible navigation software.
- **Vehicle Integration:** Retains original vehicle functions including steering wheel control, headlight ACC, and reversing control.



Figure 1: Front view of the XTRONS PQS8146BL car stereo unit, showing the 8.8-inch display and control buttons.

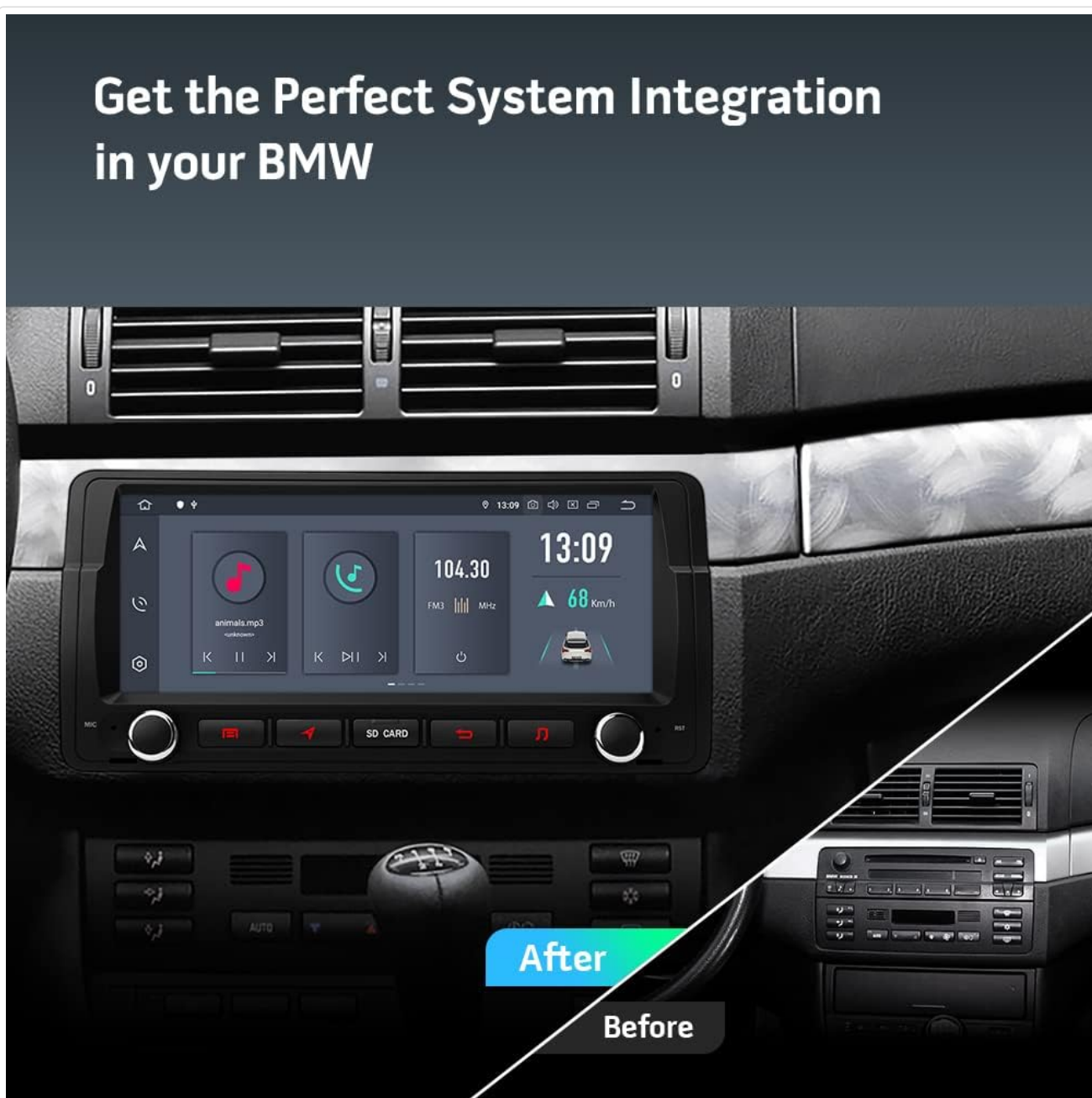


Figure 2: Comparison image showing the XTRONS PQS8146BL unit integrated into a BMW E46 dashboard, replacing the original

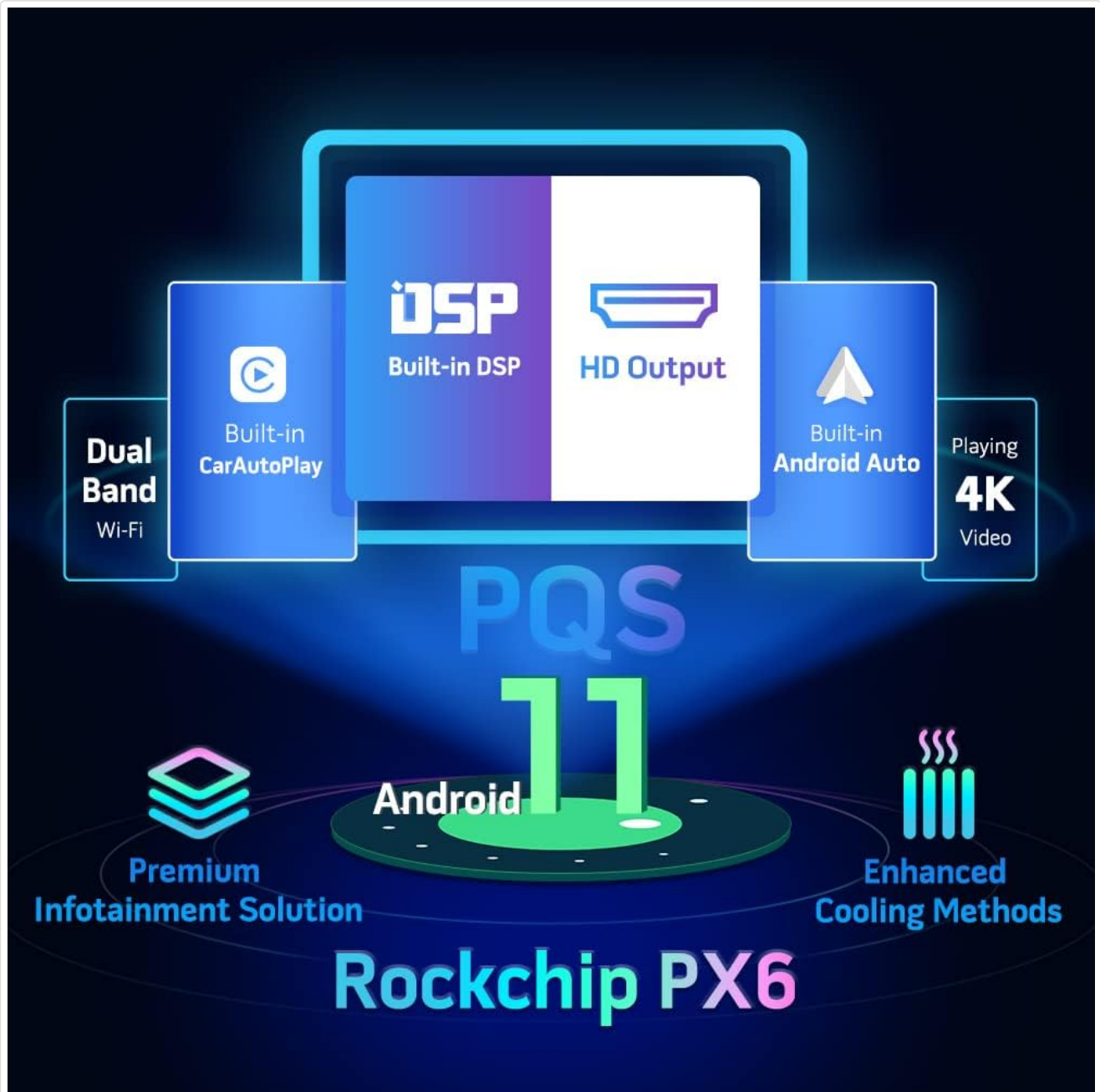


Figure 3: Diagram highlighting key features of the PQS8146BL, including Android 11, Rockchip PX6, DSP, HD Output, 4K Video, Dual Band Wi-Fi, Built-in CarAutoPlay, and Android Auto.

2. SETUP AND INSTALLATION

This section provides guidance for installing your XTRONS PQS8146BL unit. Professional installation is recommended.

2.1 Included Accessories

Verify that all accessories are present in the package:

- 2 × ISO Wiring Harness
- 2 × USB Cable
- 1 × GPS Antenna
- 1 × RCA Cable
- 1 × CANbus Box

- 1 x Camera Cable
- 1 x Radio Antenna Adapter
- 1 x User Manual (this document)

Product Size



2 x ISO Wiring Harness



2 x USB Cable



1 x Radio Antenna Adapter



1 x GPS Antenna



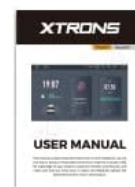
1 x RCA Cables



1 x Camera Cable



1 x CANbus Box

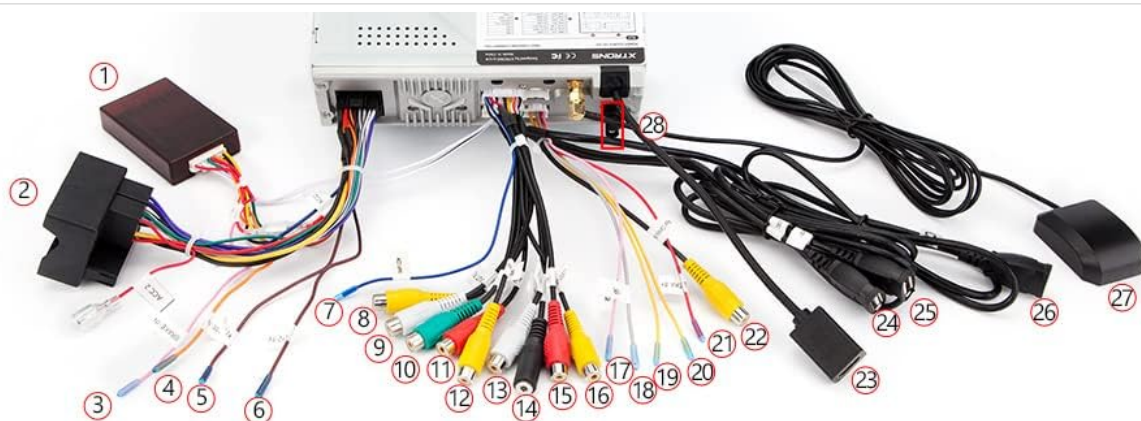


1 x User Manual

Figure 4: Detailed diagram of the ISO Wiring Harness connections, showing pin assignments for power, speakers, and CANbus.

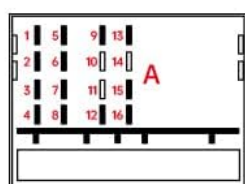
2.2 Wiring Connections

Refer to the wiring diagram for proper connection of all cables. Ensure all connections are secure before powering on the unit.



- | | | |
|--|--|--|
| 1. CANbus Box | 11. AUDIO OUT FR, Front Right Audio Output | 20. Wi-fi Antenna |
| 2. ISO Wiring Harness | 12. CVBS IN 2, Front Camera Video Input | 21. CAMERA B+, Camera Power Cable 12v |
| 3. BRAKE-IN, Brake-in Cable | 13. AUX IN L, Audio Input Left | 22. Rear Camera IN, Camera Video Input |
| 4. REVERSE-IN, Reverse Control Cable | 14. MIC, External Microphone Port | 23. HD Output |
| 5. KEY1-5V, Steering Wheel Control Key1 | 15. AUX IN R, Audio Input Right | 24. USB Port1 |
| 6. KEY2-5V, Steering Wheel Control Key2 | 16. VIDEO OUT, null, no use | 25. USB Port2 |
| 7. AMP-CON, Amplifier Control Cable | 17. BRAKE IN, Brake-in Cable | 26. USB Port3 |
| 8. CVBS IN 1, Video Input1 | 18. IR | 27. GPS Antenna |
| 9. AUDIO OUT FL, Front Left Audio Output | 19. Bluetooth Antenna | 28. Radio Antenna Port |
| 10. SUB OUT, Subwoofer Output | | |

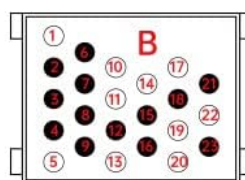
ISO Wiring Harness



- A1: Rear Right Speaker+
A2: Front Right Speaker+
A3: Front Left Speaker+
A4: Rear Left Speaker+

- A5: Rear Right Speaker-
A9: CANbus Decoder
A10: Blank
A11: Blank

- A12: GND
A13: Amplifier Control
A15: Power Source 12V+
A16: ACC



- B2: Front Right Speaker+
B3: Rear Right Speaker+
B4: Front Right Speaker-
B6: Front Left Speaker+
B7: Rear Left Speaker+
B8: Front Left Speaker-

- B9: Rear Right Speaker-
B12: Rear Left Speaker-
B15: Power Source 12V+
B16: GND

- B18: CANbus Decoder
B21: ACC
B23: Amplifier Control

Figure 5: Comprehensive wiring diagram illustrating all input and output connections for the XTRONS PQS8146BL unit, including USB, RCA, GPS, and camera inputs.

2.3 Specific Installation Notes

- **Radio Antenna:** If your car's radio antenna port differs from the standard, an adapter cable (XTRONS ISOFOZ) may be required. If the antenna port is in the trunk, extension cables (XTRONS ISOFOZ and FZMF) may be needed.
- **Original Radio Size:** For original radios that are 4.3" or 7" with a 12-pin plug, or if navigation is located in the rear, a 6m extension cable (XTRONS EXL005 / EXL007) is necessary.
- **DSP System:** If your car has a factory DSP (Digital Sound Processing) button or Harman Kardon digital sound system, an extension cable (XTRONS EXL005 / EXL007) is required.
- **Fiber Optic Amplifier:** If your car has a fiber optic amplifier system, a decoder (XTRONS FOBB05) is needed.
- **Rover 75 / MG ZT Installation:** For these vehicles, trimming of the unit's sides and an extra ISO wiring harness (XTRONS AK/PSP9046B/ISOCBL02) may be required. Ensure all functions operate correctly after any trimming.

Cables You May Need

Please check if your car's **radio antenna port** is the same as the picture and **it is inside the console**, you need to order an adapter cable (**XTRONS ISOZ**) to finish the installation.

if your car's radio antenna port is the same as the picture and **it is in the trunk**, you need to order two extension cables (**XTRONS ISOZ and FZMF**) to finish the installation.



ISOZ



FZMF

If your car's original radio is 4.3" or 7" screen with 12 pins plug, or you have the navigation drive located in the rear of your car, you need to order an extra 6m extension cable to aid for the installation. (**XTRONS EXL005 and EXL007** are compatible.)



EXL005

If there is DSP (Digital Sound Processing) button in your factory radio, or your car has a digital sound system like "Harman Kardon", you need to order an extension cable to aid for the installation. (**XTRONS EXL005 and EXL007** are compatible.)



EXL007

If your car has fibre optic amplifier system, you need to order a decoder to aid for the installation. (**XTRONS FOBB05** is compatible.)



If you want to install this unit in your Rover 75 (1999-2005), MG ZT (2001-2005) vehicles, you need to cut the trimming of this unit in both sides and order an extra ISO wiring harness from us.

(**XTRONS AK/PSP9046B/ISOCBL02** is compatible, need it, please order it from XTRONS website.

If your radio harness is 17pin like above picture, then you don't need to order this cable.)



Caution: Please make sure that all the functions operate properly before trimming.

Figure 6: Visual guide for various cables and adapters that may be needed for specific vehicle configurations, including antenna adapters and extension cables.

2.4 Optional Accessories

The following optional accessories can be integrated with the unit:

- **OBD Function:** Search ASIN: B015MU8UN6 / B08HQ9LQ9X
- **TPMS Function:** Search ASIN: B07WQFKV5G
- **Front / Reversing Camera:** Search ASIN: B07HMLYLJJ / B00GY3BVT6
- **External DVR:** Search ASIN: B08MF1ZRJ3

3. OPERATING INSTRUCTIONS

This section details the primary functions and operations of your XTRONS PQS8146BL car stereo.

3.1 Basic Operation

- **Power On/Off:** Press and hold the power button (usually a rotary knob) to turn the unit on or off. A short press typically mutes or unmutes the audio.
- **Volume Control:** Rotate the volume knob to adjust the audio level.
- **Touch Screen:** Navigate the interface by tapping, swiping, and pinching on the 8.8-inch capacitive touch screen.

3.2 Smartphone Connectivity

The unit supports both Wireless Car Auto Play (for iPhone) and Wired Android Auto (for Android phones).

- **Wireless Car Auto Play:** Connect your iPhone via Bluetooth to enable wireless Car Auto Play.
- **Wired Android Auto:** Connect your Android phone via a USB cable to activate Android Auto.
- These features provide access to GPS, calls, messages, and music directly from your phone's interface on the stereo screen.

3.3 Bluetooth 5.0

Pair your Bluetooth-enabled devices for hands-free calls and audio streaming.

- **Pairing:** Go to the Bluetooth settings on the unit and your device to initiate pairing.
- **Voice Control:** Once connected, tap the microphone icon on the unit screen to issue voice commands for navigation, calls, messages, and music.

3.4 GPS Navigation

The unit comes with pre-installed navigation capabilities and supports various Android-compatible navigation apps.

- **App Selection:** Choose your preferred navigation app (e.g., Google Maps, Sygic, Waze) from the unit's app menu.
- **Route Guidance:** Follow on-screen directions and voice prompts for turn-by-turn navigation.

3.5 Digital Sound Processor (DSP)

The built-in DSP allows for advanced audio customization.

- **Audio Settings:** Access the DSP settings through the unit's menu to adjust equalizer, balance, fader, and other sound parameters.
- **Sound Profiles:** Select from various preset sound profiles or create your own custom settings.

Built-in DSP

Professional sound quality



Bluetooth 5.0

Hands-free Calls | Audio Streaming | Voice Control



Original Function Retained

Builds a close relationship between this unit and your car



GPS Navigation

Support navigation software that is compatible with Android OS



Figure 7: Visual representation of the DSP interface, Bluetooth 5.0 call screen, original vehicle function retention, and GPS navigation display.

3.6 Radio Tuner

The unit includes a built-in radio tuner for FM and AM stations.

- **Station Search:** Use the touch screen to scan for available radio stations.
- **Presets:** Store up to 18 FM stations and 12 AM stations for quick access.

8.8" HD Capacitive Touch Screen

1280x480 high definition



Built-in CarAutoPlay and Android Auto

Support CarAutoPlay and android auto connection



Built-in Dual Band Wi-Fi

Surf the internet by connecting Wi-Fi hotspot



Built-in Radio Tuner

Store up to 18 FM stations and 12 AM stations



Figure 8: Displays of the 8.8-inch HD screen, built-in CarAutoPlay/Android Auto interface, Dual Band Wi-Fi connection, and the built-in radio tuner interface.

4. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your car stereo.

- **Screen Cleaning:** Use a soft, lint-free cloth to gently wipe the touch 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's exterior free from dust and debris. Use a soft cloth to wipe down the buttons and surrounding areas.
- **Software Updates:** Periodically check for available software updates from XTRONS to ensure your unit has the latest features and bug fixes. Follow the instructions provided with the update carefully.
- **Avoid Extreme Temperatures:** Do not expose the unit to extreme heat or cold for extended periods, as this can affect its performance and lifespan.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your XTRONS PQS8146BL unit.

5.1 Common Issues and Solutions

- **Unit Does Not Power On:**

- Check all power connections to ensure they are securely fastened.
- Verify the vehicle's fuse related to the stereo is intact.
- **No Sound:**
 - Check speaker wire connections.
 - Ensure the volume is not muted or set to zero.
 - Verify DSP settings are configured correctly.
- **Steering Wheel Controls Not Working:**
 - Ensure the CANbus box is correctly connected and configured.
 - Check the wiring harness for proper connection to the vehicle's steering wheel control wires.
 - Consult the vehicle-specific wiring diagram or contact technical support.
- **CarPlay / Android Auto Crashing or Not Connecting:**
 - For wired connections, try a different USB cable.
 - Ensure your smartphone's operating system is up to date.
 - Restart both the car stereo and your smartphone.
 - Check the unit's settings for CarPlay/Android Auto to ensure they are enabled.
- **Lag or Unresponsive Touch Screen:**
 - Restart the unit.
 - Ensure the unit's software is up to date.
 - Close unnecessary background applications if possible.
- **GPS Signal Issues:**
 - Ensure the GPS antenna is properly installed and has a clear view of the sky.
 - Check the GPS antenna connection to the unit.

5.2 Resetting the Unit

If the unit experiences persistent issues, a factory reset may resolve them. Consult the on-screen menu for the 'Factory Reset' option. **Warning:** A factory reset will erase all user data and settings.

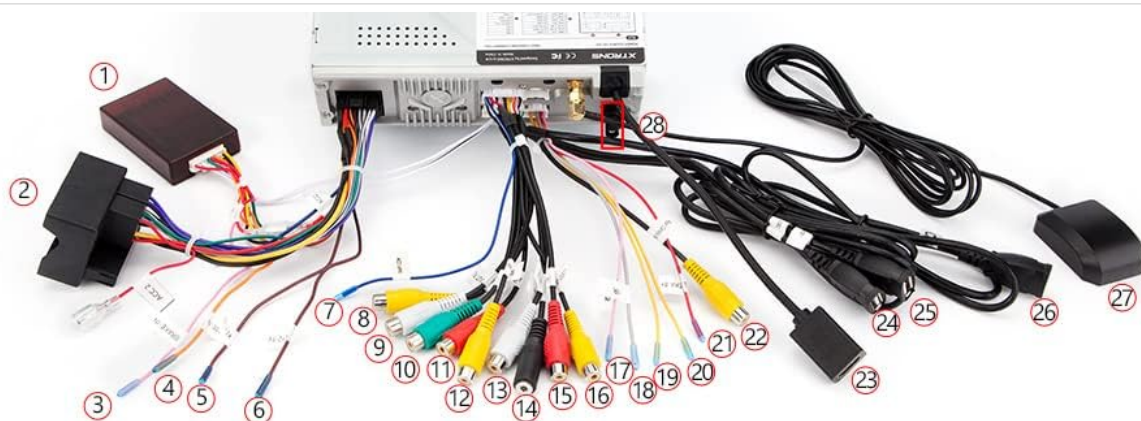
6. SPECIFICATIONS

Detailed technical specifications for the XTRONS PQS8146BL car stereo.

Feature	Specification
Model Number	PQS8146BL
Operating System	Android 11
Processor	Hexa Core Rockchip PX6
RAM	4GB
ROM	64GB

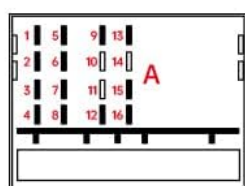
Feature	Specification
Screen Size	8.8 inches (23 cm diagonal)
Resolution	1280*480
Bluetooth Version	5.0
Wi-Fi	Dual Band (2.4GHz & 5GHz)
Audio Output Mode	AUX, Stereo
Number of Channels	4
Connectivity Technology	Auxiliary, USB, Wi-Fi
Connector Type	HDMI, USB
Compatible Devices	Smartphone
Color	Black

6.1 Product Dimensions



- | | | |
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| 7. AMP-CON, Amplifier Control Cable | 17. BRAKE IN, Brake-in Cable | 26. USB Port3 |
| 8. CVBS IN 1, Video Input1 | 18. IR | 27. GPS Antenna |
| 9. AUDIO OUT FL, Front Left Audio Output | 19. Bluetooth Antenna | 28. Radio Antenna Port |
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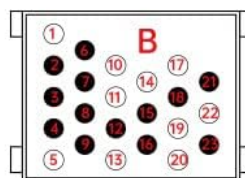
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- B9: Rear Right Speaker-
B12: Rear Left Speaker-
B15: Power Source 12V+
B16: GND

- B18: CANbus Decoder
B21: ACC
B23: Amplifier Control

Figure 9: Diagram illustrating the physical dimensions of the XTRONS PQS8146BL unit: 248mm (width), 119mm (height), 178mm (depth of main body), 50mm (height of main body).

7. WARRANTY AND SUPPORT

XTRONS provides comprehensive support for its products.

7.1 Warranty Information

This unit is backed by a **1-year warranty** from the date of purchase.

7.2 Technical Support

For technical assistance or warranty claims, please contact XTRONS customer service via Amazon email. Provide your product model number (PQS8146BL) and a detailed description of the issue for prompt support.

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

<https://manuals.plus/asin/B081JV7VVM>

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