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> XTRONS 12.3 Inch Android 14 Car Stereo for BMW F30/F31/F32/F33/F34/F35/F36 from 2018 NBT EVO System, IPS Touch Screen 4+64GB Global 4G Car Radio GPS Navigation Support Wireless Car Play Android Auto 12.3" from 2018 NBT EVO System User Manual

XTRONS QLB22EVB12THL

XTRONS 12.3 Inch Android 14 Car Stereo User Manual

Model: QLB22EVB12THL

Brand: XTRONS

PRODUCT OVERVIEW

The XTRONS 12.3 Inch Android 14 Car Stereo is designed to upgrade your in-car entertainment and navigation experience. Featuring a large IPS touch screen, powerful Octa-core processor, and advanced connectivity options, it seamlessly integrates with your vehicle's existing system while providing modern smartphone functionalities.



Image: XTRONS 12.3 Inch Android 14 Car Stereo showcasing its 12.3" 1920x720 HD IPS Screen, Global 4G LTE, Android OS, 2K Video support, Octa Core processor, 4GB RAM, and 64GB ROM.

Key Features:

- **12.3" IPS Screen:** High-fidelity 1920x720 HD IPS display for vibrant colors and wide viewing angles.
- **Global 4G LTE:** Built-in support for Micro-SIM card for mobile broadband connection (data only).
- **Wireless Car Play & Android Auto:** Seamless integration with iPhone (wireless CarPlay) and Android phones (wireless/wired Android Auto) for navigation, calls, and music.

- **Latest Android 14 with Octa Core:** Responsive performance with 4GB RAM and 64GB ROM for app downloads.
- **iDrive System Retention:** Maintains original iDrive control and functions for a unified experience.

APPLICABLE MODELS AND COMPATIBILITY

This XTRONS car stereo is specifically designed for the following BMW models and years:

- For BMW 3 Series F30/F31/F34/F35/G20 (From 2018) with NBT EVO System
- For BMW 4 Series F32/F33/F36 (From 2018) with NBT EVO System

Important Note: This unit ONLY works with the original 3 Series F30 F31 F34 F35 G20 / 4 Series F32 F33 F36 NBT EVO system. Verify your vehicle has an NBT EVO system, typically identified by a 6 Pin LVDS port at the rear of the unit and an "Automatic map update" function.

Applicable Models & Years

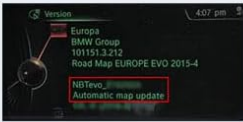
For BMW 3 Series F30/F31/F34/F35/G20 (From 2018) - Left Driving Vehicles

For BMW 4 Series F32/F33/F36 (From 2018) - Left Driving Vehicles



This unit ONLY works with the original 3 Series F30 F31 F34 F35 G20 / 4 Series F32 F33 F36 **NBT EVO system**.

**NBT EVO system**

			
A 6 Pin LVDS port at the rear of the unit	With "Automatic map update" function	NBT EVO ID5	NBT EVO ID6

Important Notes on Compatibility

If your car comes with NO audio AUX input, you need to order a FM transmitter to aid for the installation. (XTRONS CA/ITR/FM02 and CA/ITR/FM03 are compatible.)



Image: Visual guide for applicable BMW models and years, showing "Before" and "After" installation views, and details on identifying the NBT EVO system (6 Pin LVDS port, automatic map update function, NBT EVO ID5/ID6 interfaces).

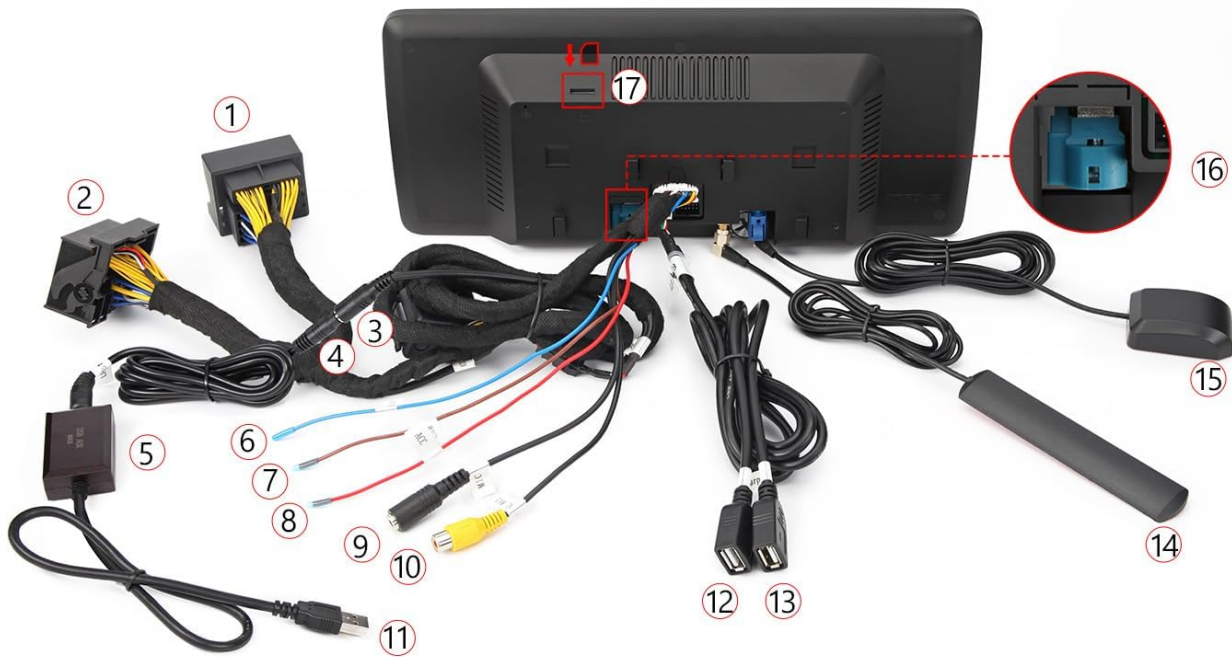
If your car comes with **NO audio AUX input**, you may need to order an FM transmitter to aid in the installation. Compatible XTRONS FM transmitters include CA/ITR/FM02 and CA/ITR/FM03.

SETUP AND INSTALLATION

Installation of the XTRONS car stereo requires careful attention to wiring and component connection. It is recommended to consult the included Installation Instruction manual for detailed steps. The following components are included to facilitate installation:

- 1 x ISO Wiring Harness
- 1 x Audio Cable
- 1 x GPS Antenna
- 1 x 4G Antenna
- 1 x Audio Box
- 1 x Tweezers
- 1 x USB Cable
- 1 x Installation Instruction
- 1 x User Manual

Wiring Harness



1. ISO port to connect to original CD player
2. ISO wiring harness
3. Audio output
4. Audio input
5. Audio Box
6. REVERSE-IN, Reversing control cable
7. P. CAM, Camera ACC
8. ACC
9. MIC, Microphone port

10. CAM IN, Camera input
11. Connect to original USB port
12. USB port1
13. USB port2
14. 4G antenna
15. GPS antenna
16. LVDS port
17. 4G SIM card slot

Image: Detailed diagram of the wiring harness and connections, including ISO port, audio cables, GPS antenna, 4G antenna, USB ports, and LVDS port. This visual aid is crucial for correct installation.

Key Connection Points:

1. **ISO Port:** Connects to the original CD player.
2. **ISO Wiring Harness:** Main harness for power and signal.
3. **Audio Cables:** For audio input and output.
4. **Audio Box:** Component for audio processing.
5. **REVERSE-IN:** Reversing control cable.
6. **P. CAM:** Camera ACC.
7. **ACC:** Accessory power.
8. **MIC:** Microphone port.
9. **CAM IN:** Camera input.
10. **USB Ports (USB1, USB2):** For connecting external USB devices.
11. **4G Antenna:** For mobile data connectivity.
12. **GPS Antenna:** For navigation functionality.

- 13. **LVDS Port:** Critical connection for NBT EVO system.
- 14. **4G SIM Card Slot:** Insert Micro-SIM for 4G LTE data.

Ensure all connections are secure and fully seated to prevent issues such as loss of iDrive functionality or sound. Some users have reported that the harness connector may need to be wiggled or firmly pushed to ensure full connection, especially to the CD player.

OPERATING INSTRUCTIONS

Display and Interface:

The 12.3-inch IPS touch screen provides a clear and responsive interface. The system supports multi-task display, allowing two applications to run simultaneously, and Picture-in-Picture (PIP) for video playback while using other apps.

● Smart Size, Fuller Display



*The images displayed are in a 1:1 aspect ratio.

Multi-task Display



PIP-Picture in Picture



IPS Touch Screen



Built-in Two USB Input



Image: Demonstrates the 12.3" display size comparison, multi-task display, Picture-in-Picture (PIP) functionality, responsive IPS touch screen, and dual USB input ports.

Smartphone Integration:

The unit features built-in Wireless Car Play and Wireless/Wired Android Auto, allowing you to display compatible apps from your smartphone directly on the large screen. This enables safer operation and access to voice commands like Siri or Google Assistant.



Image: Illustrates the wireless connection capabilities for Car Play, wireless and wired options for Android Auto, and wireless screen mirroring, showing how smartphone interfaces are displayed on the car stereo.

Connectivity:

- **Global 4G LTE:** Insert a Micro-SIM card into the dedicated slot for mobile broadband internet access. This supports data only, not phone calls.
- **Dual Wi-Fi Band:** Connect to 2.4GHz or 5GHz Wi-Fi networks for flexible and faster internet speeds.
- **Bluetooth 5.0:** For stable hands-free calls and high-quality music streaming.
- **USB Tethering:** Share your phone's internet connection with the unit via a USB cable.



12nm Process

Q3 Series

Octa-core

A75 A75
A55 A55 A55
A55 A55 A55

2 x Cortex-A75
+
6 x Cortex-A55

Global 4G LTE

RAM 4 GB LPDDR4

ROM 64 GB EMMC 5.1

12.3"

Fully-laminated HD IPS Screen

Screen Mirroring

Stylish UI Themes

Built-in DSP

Wireless CarAutoPlay

Wireless Android Auto

Support AHD Camera

Image: Shows the three options for internet access: 4G LTE (up to 300Mbps, supports 99% of carriers worldwide), and dual-band Wi-Fi (2.4GHz and 5GHz).

Original Car Information Display:

The unit retains the ability to display original car information, such as speed, engine speed, remaining fuel, temperature, parking brake status, and seat belt reminders.

Original Car Information Display



Image: Depicts the XTRONS unit displaying various original car information metrics like speed, engine speed, fuel level, temperature, parking brake, and seat belt reminder.

MAINTENANCE

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

- **Cleaning:** Use a soft, dry, lint-free cloth to clean the screen and exterior. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid abrasive materials or harsh chemicals.
- **Temperature:** Avoid exposing the unit to extreme temperatures, both hot and cold, for extended periods.
- **Ventilation:** Ensure that the unit's ventilation openings are not blocked to prevent overheating.
- **Software Updates:** Periodically check for and install any available software updates from XTRONS to ensure the system runs efficiently and has the latest features and bug fixes.

TROUBLESHOOTING

This section addresses common issues you might encounter with your XTRONS car stereo.

Common Issues and Solutions:

- No Sound or iDrive Functionality After Installation:**

This often indicates an issue with the wiring harness connection, particularly to the original CD player. Ensure the harness connector is fully seated and flush. It may require firm pressure or wiggling to ensure all pins make proper contact. Also, verify that the RCA output from the XTRONS unit is correctly connected to the car's AUX input.
- Difficulty Syncing with OEM Infotainment (CAN Bus Issues):**

If you experience issues with the unit communicating with your car's original infotainment system, you may need to adjust the CAN bus settings within the XTRONS unit. Experiment with different BMW settings, such as "All other BMW," to find the correct match for your OEM infotainment system.
- Steering Wheel Controls (e.g., Song Skip) Operate in Reverse:**

Some users have reported that steering wheel buttons for skipping songs (up/down) operate in the opposite direction (e.g., pressing 'up' skips to previous song). This is a known characteristic for some configurations and may not be adjustable. Users should adapt to the reversed behavior.
- Unit Powers On but No Display/Sound:**

Check all power connections and ensure the LVDS cable is securely connected. A loose LVDS cable can result in no display. Verify that the unit is receiving adequate power.

If you encounter persistent issues not covered here, please refer to the full user manual or contact XTRONS customer support.

SPECIFICATIONS

Feature	Detail
Model Number	QLB22EVB12THL
Display Size	12.3 Inches
Resolution	1920x720
Operating System	Android 14
Processor	Octa Core
RAM	4GB DDR4
ROM	64GB Solid State
Connectivity	Bluetooth 5.0, Wi-Fi (2.4GHz/5GHz), USB, Global 4G LTE
Audio Output Mode	Stereo
Map Type	North America (pre-installed)
Vehicle Service Type	Car

WARRANTY INFORMATION

The XTRONS 12.3 Inch Android 14 Car Stereo comes with a**1-Year Warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty

claims.

For detailed warranty terms and conditions, please refer to the documentation included with your product or contact XTRONS customer support.

CUSTOMER SUPPORT

For any inquiries, technical assistance, or support regarding your XTRONS product, please contact XTRONS customer service. You can typically find contact information on the XTRONS official website or through the seller's contact details where you purchased the product.

When contacting support, please have your product model number (QLB22EVB12THL) and proof of purchase readily available to expedite the process.

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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

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