

[Manuals.plus](#) /

› [XTRONS](#) /

› XTRONS 12.3 Inch Android 14 Car Stereo User Manual

XTRONS 12.3 Inch 2013-2016 NBT System

XTRONS 12.3 Inch Android 14 Car Stereo User Manual

Model: 12.3 Inch 2013-2016 NBT System

Brand: XTRONS

PRODUCT OVERVIEW

The XTRONS 12.3 Inch Android 14 Car Stereo is designed to upgrade the in-car entertainment and navigation experience for BMW 5 Series F10/F11 models from 2013-2016 with the NBT System. This unit features an Octa-core processor with 4GB DDR4 RAM and 64GB Solid State ROM, ensuring responsive performance. The 1920x720 resolution 12.3-inch IPS touch screen provides wide viewing angles and clear visuals.

Key functionalities include built-in Wireless Car Play and Wireless/Wired Android Auto for seamless smartphone integration, Global 4G LTE connectivity for mobile network access, Bluetooth 5.0 for stable connections, and dual Wi-Fi band support (2.4GHz/5GHz). The system also supports multi-task display and Picture-in-Picture (PIP) functionality, allowing for simultaneous use of applications like navigation and music. It is designed to retain original car functions and information display.



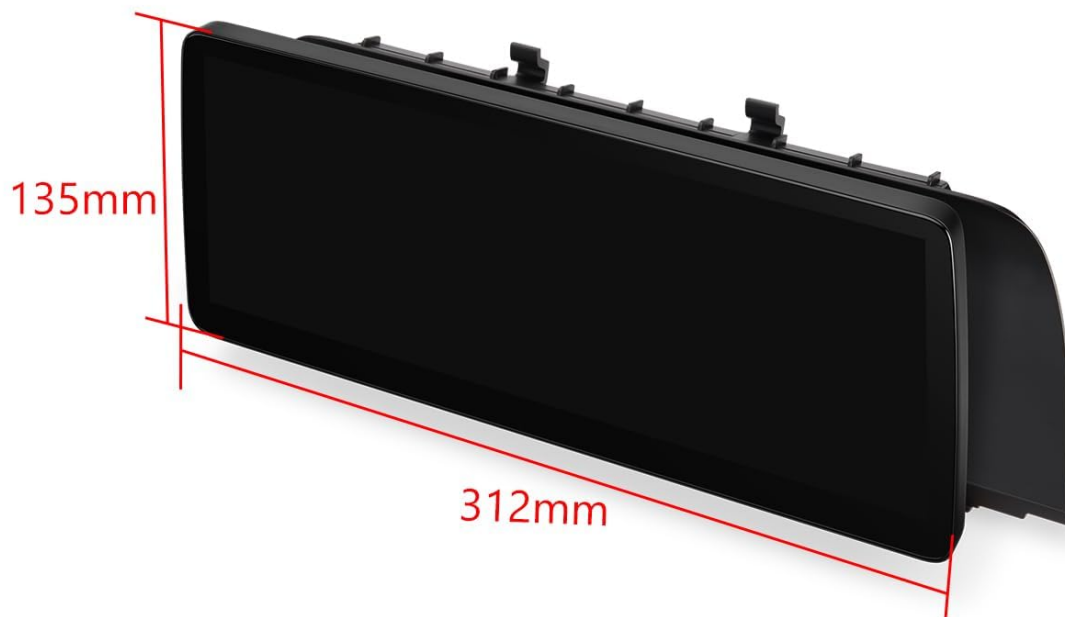
Image: The XTRONS 12.3 Inch Android 14 Car Stereo unit, showcasing its large display and key features like Octa Core, 4GB RAM, 64GB

WHAT'S IN THE BOX

Please verify that all the following components are included in your package:

- 1 x ISO Wiring Harness
- 1 x Audio Cable
- 1 x GPS Antenna
- 1 x Tweezers
- 1 x 4G Antenna
- 1 x USB Cable
- 1 x Installation Instruction
- 1 x User Manual (this document)

Size



Accessories



1 x ISO Wiring Harness



1 x Audio Cable



1 x GPS Antenna



1 x Tweezers



1 x 4G Antenna



1 x USB Cable



1 x Installation Instruction



1 x User Manual

Image: A visual representation of the accessories included with the XTRONS car stereo, such as the ISO wiring harness, audio cable, GPS antenna, tweezers, 4G antenna, USB cable, installation instructions, and user manual.

COMPATIBILITY AND INSTALLATION

Applicable Models

This unit is specifically designed for:

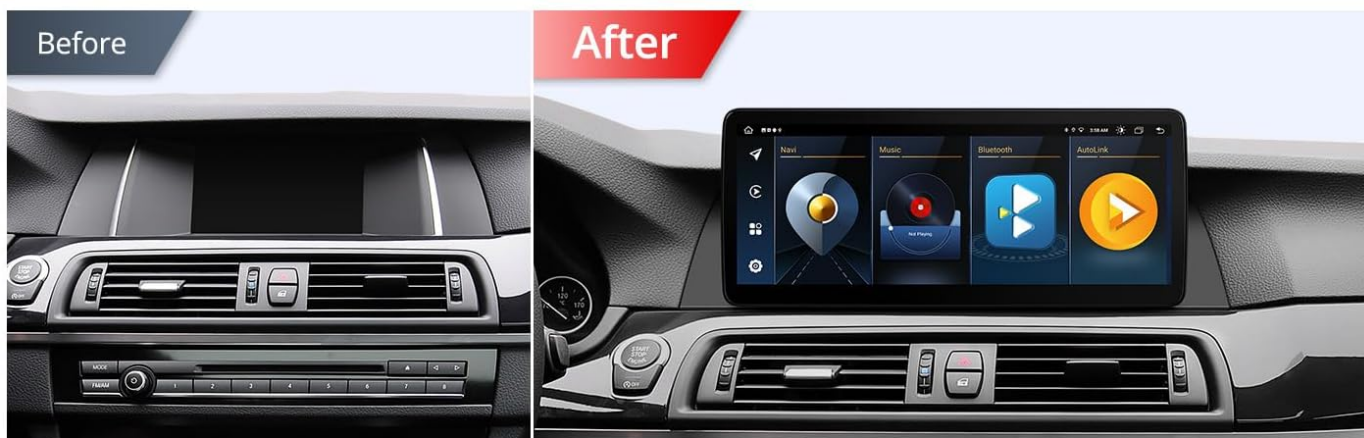
- BMW 5 Series F10/F11 (2013-2016) with NBT System.

Important Note on Compatibility:

This unit ONLY works with the original 5 Series F10/F11 NBT system. If your car comes with NO audio AUX input, you may need to order an FM transmitter (e.g., XTRONS CA/ITR/FM02 or CA/ITR/FM03) to aid in the installation and audio output.

Applicable Models & Years

For BMW 5 Series F10 / F11 (2013-2016)



This unit ONLY works with the original 5 Series F10 / F11 **NBT system**.

✓ NBT system



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.)

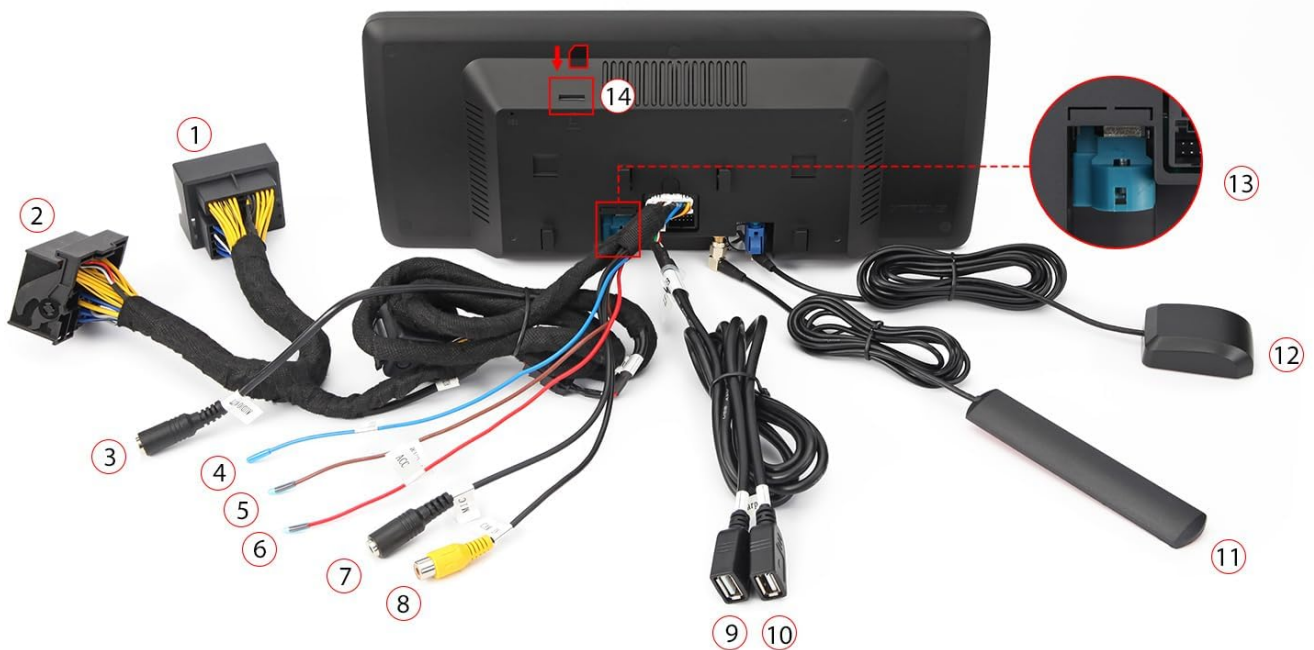


Image: Illustrates the "Before" and "After" installation view in a BMW F10/F11 dashboard, highlighting the NBT system compatibility, the LVDS port, media button, touch pad controller, and BMW ConnectedDrive function.

Wiring and Connections

Refer to the wiring harness diagram for proper connection of all components. Ensure all cables are securely connected before powering on the unit.

Wiring Harness



- | | |
|--|-------------------------|
| 1. ISO port to connect to original CD player | 8. CAM IN, Camera input |
| 2. ISO wiring harness | 9. USB port1 |
| 3. AUDIO OUT, Audio output | 10. USB port2 |
| 4. REVERSE-IN, Reversing control cable | 11. 4G antenna |
| 5. P. CAM, Camera ACC | 12. GPS antenna |
| 6. ACC | 13. LVDS port |
| 7. MIC, Microphone port | 14. 4G SIM card slot |

Image: A detailed diagram of the wiring harness, labeling each port and cable, including ISO ports, audio out, reverse-in, camera input, USB ports, 4G antenna, GPS antenna, LVDS port, and 4G SIM card slot.

- 1. ISO port to connect to original CD player:** Connects the new unit to the vehicle's existing CD player for audio integration.
- 2. ISO wiring harness:** Main power and signal harness for the unit.
- 3. AUDIO OUT, Audio output:** Provides audio signals for external amplifiers or speakers.
- 4. REVERSE-IN, Reversing control cable:** Connects to the vehicle's reverse signal for automatic camera display.
- 5. P. CAM, Camera ACC:** Power and accessory connection for the parking camera.
- 6. ACC:** Accessory power connection.
- 7. MIC, Microphone port:** Connects the external microphone for hands-free calling and voice commands.
- 8. CAM IN, Camera input:** Video input for a reversing camera.
- 9. USB port1 & USB port2:** For connecting USB devices, wired Android Auto, or mobile network sharing.
- 10. 4G antenna:** Connects for Global 4G LTE mobile data access.
- 11. GPS antenna:** Connects for GPS navigation functionality.
- 12. LVDS port:** Connects to the vehicle's original display system.
- 13. 4G SIM card slot:** Insert a Micro-SIM card for 4G data connectivity.

OPERATING INSTRUCTIONS

Initial Setup

Upon first power-on, the system will guide you through initial setup steps, including language selection and network configuration. Ensure your vehicle's original system is functioning correctly before installation to avoid compatibility issues.

Smartphone Integration (CarPlay & Android Auto)

The unit supports both Wireless Car Play and Wireless/Wired Android Auto, allowing you to seamlessly integrate your smartphone for navigation, music, calls, and voice assistants (Siri/Google Assistant).

- **Wireless CarPlay:** Connect your iPhone via Bluetooth for a wireless CarPlay experience.
- **Wireless/Wired Android Auto:** Connect your Android phone via Bluetooth wirelessly or using a USB cable for Android Auto.

Display and Control Your Smartphone Wirelessly



CarAutoPlay
Wireless Connection



Android Auto
Wireless & Cable Connection



Screen Mirroring
Wireless Connection



Hey Siri



Play some music.



Image: Demonstrates the wireless display and control of a smartphone, showing interfaces for Wireless CarPlay, Wireless & Cable Android Auto, and Wireless Screen Mirroring, along with voice command functionality.

Internet Access (Global 4G LTE & Wi-Fi)

The unit offers multiple options for internet connectivity:

- **Global 4G LTE:** Insert a Micro-SIM card into the dedicated slot to access 4G mobile broadband. This unit supports 99% of carriers worldwide with download speeds up to 300Mbps. Note: This unit accepts internet SIM data only, not phone calls.
- **Dual Wi-Fi Band:** Connect to 2.4GHz or 5GHz Wi-Fi networks for faster and more flexible internet access.
- **USB Tethering:** Share your smartphone's internet connection by connecting it to the unit via a USB cable and configuring your phone's settings for internet sharing.

3 Options for Internet Access



LTE Cat 7
(up to **300Mbps**)



Support **99%**
of Carriers Worldwide



4G
LTE

*This unit accepts Micro-SIM card (not included). 4G supports internet SIM data only, not phone calls.

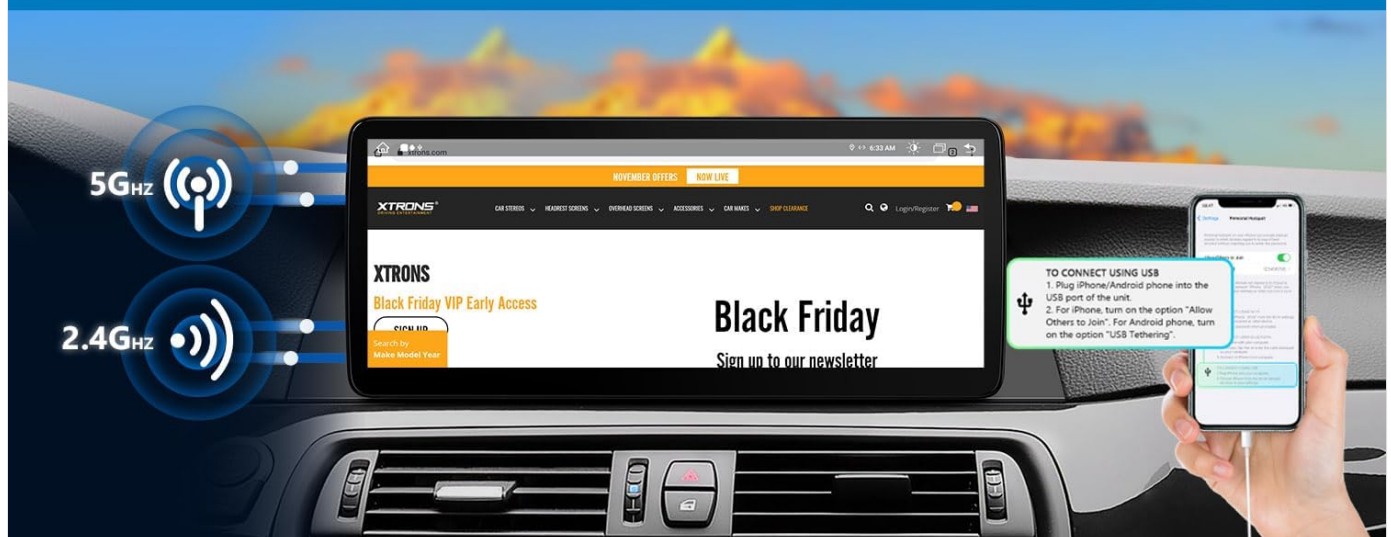


Image: Illustrates the three options for internet access: LTE Cat 7 (4G), 5GHz and 2.4GHz Wi-Fi, and USB tethering from a smartphone.

Display Features

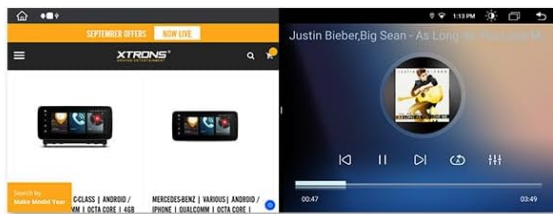
- **Multi-task Display:** Run two applications simultaneously on the 12.3-inch IPS screen, such as navigation and music, for enhanced multitasking.
- **Picture-in-Picture (PIP):** View videos in a small window while using other applications, ensuring you don't miss any content.
- **Original Car Information Display:** The unit seamlessly integrates and displays OEM car-centric functions like speed, engine speed, fuel level, temperature, parking brake status, and seat belt reminders.

● 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: Shows the "Smart Size, Fuller Display" comparison, Multi-task Display, Picture-in-Picture (PIP), IPS Touch Screen responsiveness, and Built-in Two USB Input ports.

Original Car Information Display



Image: Displays how the XTRONS unit integrates and shows original car information such as speed, engine speed, remaining fuel, temperature, parking brake status, and seat belt reminder.

SPECIFICATIONS

Feature	Description
Display Size	12.3 Inches
Screen Resolution	1920x720 HD IPS Display
Operating System	Android 14
Processor	Octa Core (2 x Cortex-A75, 6 x Cortex-A55)

RAM	4GB DDR4
ROM	64GB Solid State (EMMC 5.1)
Connectivity	Bluetooth 5.0, Dual Wi-Fi (2.4GHz/5GHz), USB, Global 4G LTE
Special Features	Wireless CarPlay, Wireless/Wired Android Auto, Multi-task Display, PIP, Screen Mirroring, Built-in DSP
Compatible Devices	iPhone, Smartphone
Audio Output Mode	Stereo
Control Method	App, Touchscreen

12nm Process

Octa-core



2 x Cortex-A75
+
6 x Cortex-A55

Global

4G

LTE



11 Series

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: Detailed breakdown of the unit's internal specifications including the Octa-core processor (12nm process), 4GB LPDDR4 RAM,

MAINTENANCE

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

- **Cleaning:** Use a soft, dry cloth to clean the screen and exterior. Avoid abrasive cleaners or solvents that could damage the display or finish.
- **Software Updates:** Periodically check for and install software updates provided by XTRONS to ensure the system runs efficiently and has the latest features and security patches.
- **Temperature:** Avoid exposing the unit to extreme temperatures, both hot and cold, for extended periods.
- **Connections:** Ensure all cables and connections remain secure. Loose connections can lead to intermittent issues.

TROUBLESHOOTING

If you encounter issues with your XTRONS car stereo, please 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.
 - Verify the vehicle's fuse related to the stereo is not blown.
- **No Audio:**
 - Confirm the audio cable is correctly connected.
 - Check the volume settings on both the stereo and your connected device (if using CarPlay/Android Auto).
 - Ensure the correct audio source is selected on the unit.
 - If your car lacks an AUX input, an FM transmitter is required for audio output.
- **GPS Signal Issues:**
 - Ensure the GPS antenna is securely connected and placed in a location with a clear view of the sky (e.g., dashboard, under windshield).
 - Check for any obstructions that might block the signal.
- **4G/Wi-Fi Connectivity Problems:**
 - For 4G, ensure the Micro-SIM card is correctly inserted and activated with a data plan.
 - For Wi-Fi, verify the network password is correct and the unit is within range of the Wi-Fi signal.
 - Restart the unit and the Wi-Fi router/hotspot if issues persist.
- **CarPlay/Android Auto Not Connecting:**
 - Ensure Bluetooth is enabled on both the unit and your smartphone.
 - For wired connections, try a different USB cable.

- Restart your smartphone and the car stereo.
- Check for any software updates for both the stereo and your phone's operating system.

If these steps do not resolve the issue, please contact XTRONS customer support for further assistance.

WARRANTY AND SUPPORT

Warranty Information

The XTRONS 12.3 Inch Android 14 Car Stereo comes with a **1-Year Warranty** from the manufacturer. This warranty covers defects in materials and workmanship under normal use.

Additionally, protection plans are available for purchase:

- 2-Year Protection Plan
- 3-Year Protection Plan
- Complete Protect (monthly plan covering eligible purchases)

Please refer to the specific terms and conditions of your purchased protection plan for full details.

Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact XTRONS customer support. You can often find support contact information on the official XTRONS website or through your purchase platform.

The seller for this product is Xtrons. For direct inquiries, you may visit the [XTRONS Store on Amazon](#).

© 2024 XTRONS. All rights reserved.

This manual is for informational purposes only. Specifications are subject to change without notice.

ASK A QUESTION ABOUT THIS MANUAL

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