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> XTRONS Car Navigation 2DIN Android12 In-Car PC 10-inch Large Screen DVD Player 4G Communication SIM Compatible 8-Core 2GB+32GB Car Audio Bluetooth iPhone Carplay Compatible Android Auto Mirroring Wifi GPS USB SD Video Input/Output (TIE Series)

XTRONS TIE Series

XTRONS TIE Series Car Navigation System

Model: TIE Series

1. INTRODUCTION

The XTRONS TIE Series Car Navigation System is an advanced 2DIN in-car PC designed to enhance your driving experience with comprehensive multimedia and connectivity features. Running on Android 12, it offers a responsive and intuitive interface on its large 10.1-inch display. This manual provides detailed instructions for installation, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your device.



Image 1.1: The XTRONS TIE Series Car Navigation System, showcasing the main unit and essential connection cables.



Image 1.2: Overview of key features including 4G LTE, CarPlay, Android Auto, powerful processor, large display, and multimedia capabilities.

2. SETUP AND INSTALLATION

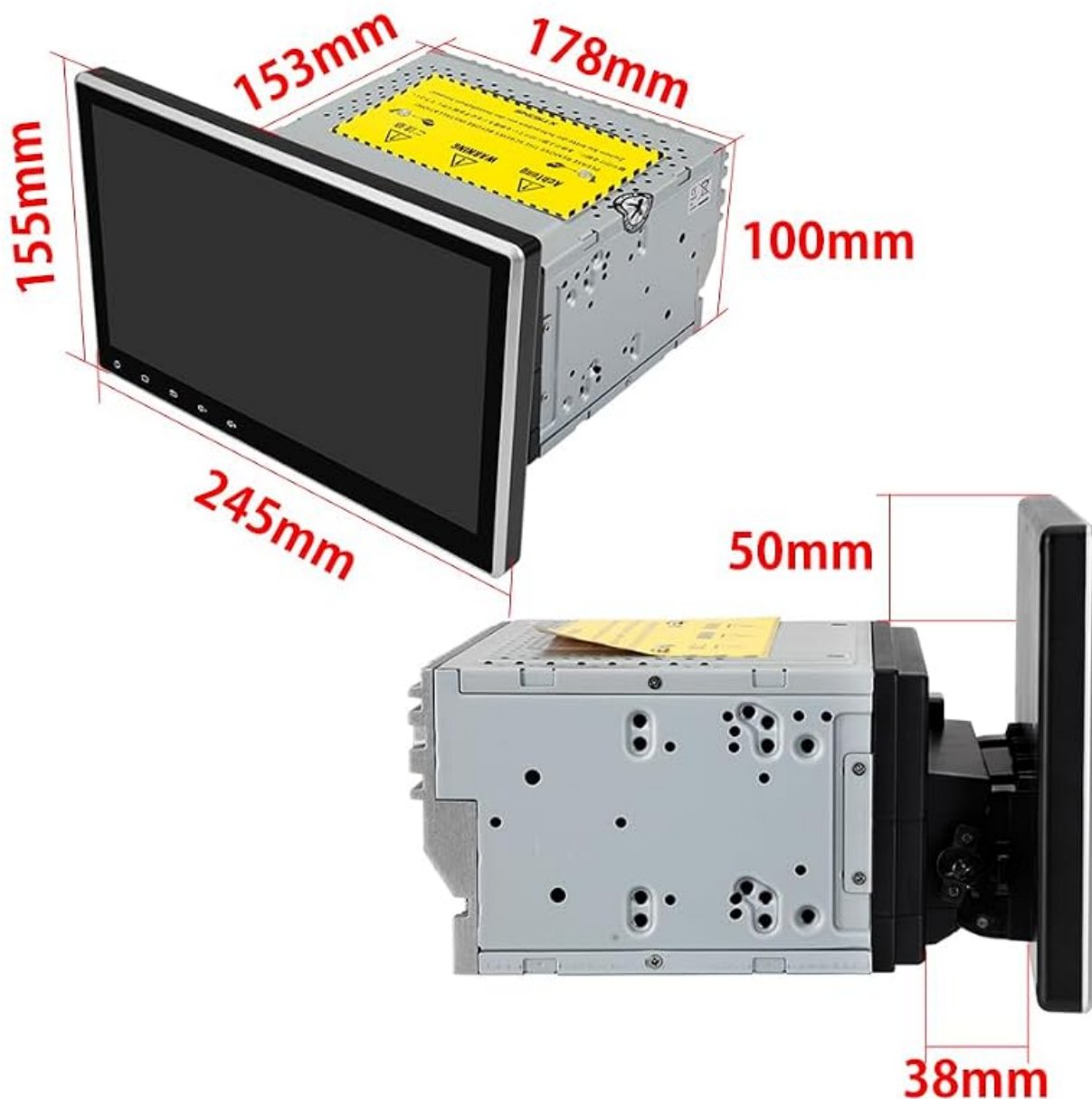
2.1 Package Contents

Before installation, please verify that all items listed below are included in your package:

- 1 x ISO Cable
- 1 x RCA Cable
- 1 x GPS Antenna
- 1 x 4G Antenna
- 2 x USB Cables
- 1 x CANbus Cable

- 1 x Camera Cable
- 2 x Installation Tools
- 8 x Installation Screws
- 2 x Monitor Mounting Plugs
- 1 x Frame
- 1 x User Manual (PDF version available online)

サイズ



付属品



1 x ISOケーブル



1 x RCAケーブル



1 x GPSアンテナ



1 x 4Gアンテナ



2 x USBケーブル



1 x CANbusケーブル



1 x カメラケーブル



2 x 取付用具



8 x 取付ネジ



2 x モニター取付プラグ



1 x フレーム



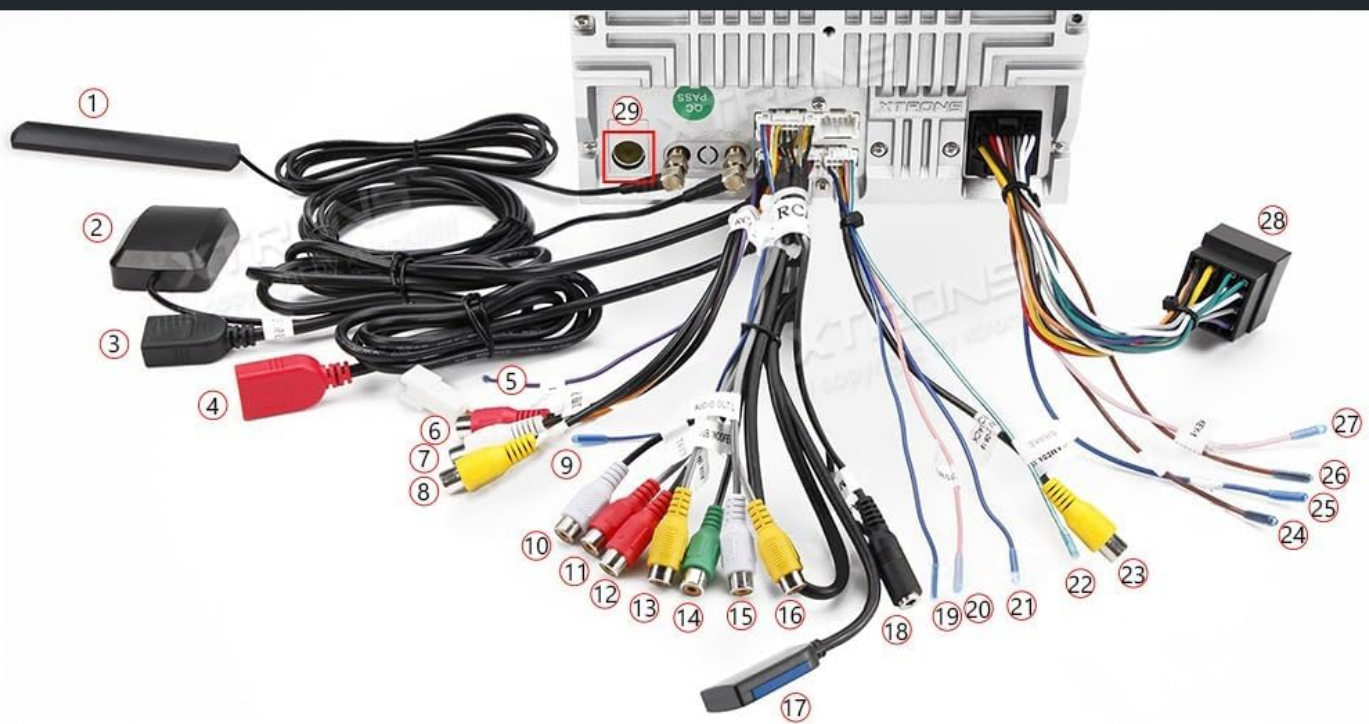
1 x 英語取扱説明書
(日本語版PDFダウンロード可)

Image 2.1: Visual representation of the unit's dimensions and a list of all included accessories.

2.2 Wiring Diagram

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

配線図



- | | | |
|-------------------|-----------------|--------------------------|
| 1. 4Gアンテナ | 11. 音声出力（前右） | 21. Bluetoothアンテナ |
| 2. GPSアンテナ | 12. 音声入力（右） | 22. ブレーキ信号用配線 |
| 3. USBポート | 13. ビデオ入力 | 23. バックカメラ映像入力 |
| 4. Carplay用USBポート | 14. サブウーファー出力 | 24. ステアリングコントロールKEY1(5V) |
| 5. カメラ電源12V | 15. 音声出力（前左） | 25. オートアンテナ |
| 6. 音声出力（後右） | 16. フロントカメラ映像入力 | 26. ステアリングコントロールKEY2(5V) |
| 7. 音声出力（後左） | 17. SIMカードスロット | 27. リバース信号用配線 |
| 8. 同軸デジタル出力 | 18. 外付マイク用端子 | 28. ISO電源ケーブル |
| 9. アンプコントロール | 19. WiFiアンテナ | 29. ラジオアンテナポート |
| 10. 音声入力（左） | 20. カメラ電源12V | |

ISO電源ケーブル

黄：バッテリー電源プラス極に繋ぐ
 黒：アース・バッテリー電源マイナス極に繋ぐ
 赤：ACC・アクセサリ電源に繋ぐ
 オレンジ：イルミネーション
 紫：後右スピーカー+
 紫・黒：後右スピーカー-

灰色：前右スピーカー+
 灰色・黒：前右スピーカー-
 白：前左スピーカー+
 白・黒：前左スピーカー-
 緑：後左スピーカー+
 緑・黒：後左スピーカー-

Image 2.2: Comprehensive wiring diagram for connecting the unit to your vehicle's electrical system and peripherals.

Key to Wiring Diagram:

1. 4G Antenna
2. GPS Antenna
3. USB Port
4. CarPlay USB Port
5. Camera Power 12V

- 6. Audio Output (Front Right)
- 7. Audio Output (Rear Left)
- 8. Coaxial Digital Output
- 9. Amp Control
- 10. Audio Input (Left)
- 11. Audio Output (Front Left)
- 12. Audio Input (Right)
- 13. Video Input
- 14. Subwoofer Output
- 15. Audio Output (Rear Right)
- 16. Front Camera Video Input
- 17. SIM Card Slot
- 18. External Microphone Terminal
- 19. WiFi Antenna
- 20. Camera Power 12V
- 21. Bluetooth Antenna
- 22. Brake Signal Wiring
- 23. Backup Camera Video Input
- 24. Steering Wheel Control KEY1 (5V)
- 25. Auto Antenna
- 26. Steering Wheel Control KEY2 (5V)
- 27. Reverse Signal Wiring
- 28. ISO Power Cable
- 29. Radio Antenna Port

2.3 ISO Cable Connection

The ISO cable connects the unit to your vehicle's power and speaker system. Ensure correct polarity and secure connections.

ISO Cable Pinout

Wire Color	Function
Yellow	Connects to Battery Power Plus
Black	Connects to Battery Power Minus
Red	Connects to ACC (Accessory Power)
Orange	Illumination
Purple +	Rear Right Speaker +
Purple -	Rear Right Speaker -
Gray +	Front Right Speaker +
Gray -	Front Right Speaker -

Wire Color	Function
White +	Front Left Speaker +
White -	Front Left Speaker -
Green +	Rear Left Speaker +
Green -	Rear Left Speaker -

3. OPERATING INSTRUCTIONS

3.1 4G Communication and Internet Access

The unit features a built-in 4G communication module. Insert a micro SIM card into the designated slot (refer to Image 2.2, item 17) to enable direct internet access. Alternatively, you can use Wi-Fi or USB tethering from your smartphone to connect the unit to the internet. This allows you to download apps from the Play Store, use Google Maps, YouTube, and other online services.



Image 3.1: Internet connectivity options: built-in 4G LTE, Wi-Fi tethering, and USB tethering.

3.2 CarPlay, Android Auto, and Mirroring

The unit supports both Apple CarPlay and Android Auto for seamless smartphone integration.

- **Apple CarPlay:** Supports wireless connection via Bluetooth. Connect your iPhone to access navigation, music, calls, and more directly on the unit's screen.
- **Android Auto:** Supports both wireless (Bluetooth) and wired (USB) connections. Connect your Android phone to use compatible apps safely while driving.
- **Screen Mirroring:** Use the built-in app to mirror your smartphone's screen (photos, music, videos) directly onto the navigation unit.

Note: Video streaming apps may not be supported through CarPlay or Android Auto due to safety regulations.



Image 3.2: Connectivity options for CarPlay, Android Auto, and screen mirroring.

3.3 Built-in DVD Player

The unit includes a built-in DVD/CD player. Gently insert a disc into the slot located above the main unit. Ensure the disc is clean and free of scratches for optimal playback.

DVDプレーヤー内蔵



Image 3.3: The integrated DVD player for multimedia entertainment.

3.4 Bluetooth 5.0

Utilize Bluetooth 5.0 for hands-free calling and wireless audio streaming.

- **Hands-Free Calling:** Pair your smartphone to make and receive calls safely while driving.
- **Bluetooth Music:** Stream audio from your paired device directly to the car's speakers.

3.5 Steering Wheel Control

The unit supports steering wheel controls, allowing you to manage audio playback and other functions without taking your hands off the wheel. Configure the controls in the system settings.

3.6 GPS Navigation

With the connected GPS antenna, you can download and use various navigation applications from the Google Play Store for accurate route guidance.

スクリーンミラーリング

スマホの画面をモニターに映せます



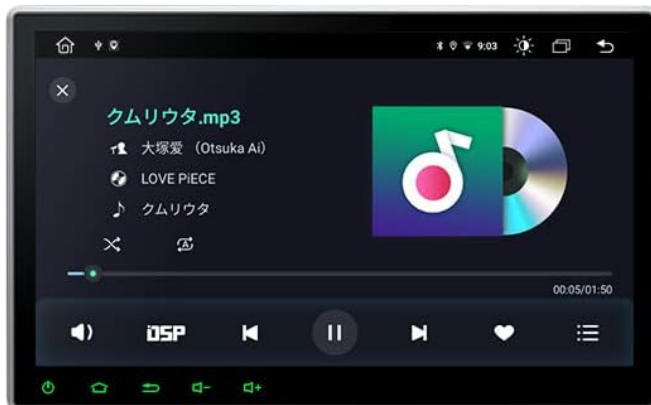
Bluetooth 5.0対応

ハンズフリー通話 |
オーディオストリーミング



ステアリングコントロール

目を逸らさずにステア
リングボタンで簡単操作



GPSナビゲーション

ストアからナビアプリをダウン
ロードして使用可



Image 3.4: Features including screen mirroring, Bluetooth, steering wheel control, and GPS navigation.

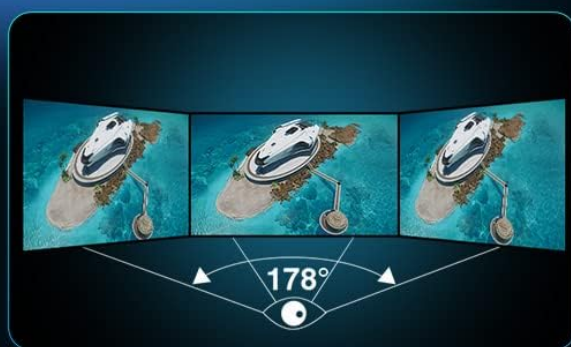
3.7 Display Features

The 10.1-inch IPS LCD screen provides a high-quality visual experience with a resolution of 1024x600. IPS technology ensures clear images from wide viewing angles.

10.1インチ静電式タッチスクリーン



1080Pビデオ対応



IPSテクノロジー

Image 3.5: Details of the 10.1-inch high-resolution IPS display.

The unit also supports full-screen output to an external monitor via an XTRONS USB to RCA converter (sold separately). This allows all content displayed on the main unit to be mirrored on a rear-seat monitor or other external display.



4. MAINTENANCE

To ensure the longevity and optimal performance of your XTRONS TIE Series unit, follow these maintenance guidelines:

- **Screen Cleaning:** Use a soft, lint-free cloth slightly dampened with water or a screen-specific cleaning solution. Avoid abrasive materials or harsh chemicals.
- **Dust Removal:** Regularly wipe down the unit's exterior to prevent dust buildup, especially around vents and ports.
- **Disc Care:** Handle DVDs/CDs by their edges. Store them in their cases when not in use to prevent scratches and dust accumulation.
- **Temperature:** Avoid exposing the unit to extreme temperatures, which can affect its electronic components.

5. TROUBLESHOOTING

If you encounter issues with your XTRONS TIE Series unit, refer to the common problems and solutions below.

Common Issues and Solutions

Problem	Possible Cause	Solution
Unit does not power on.	Incorrect wiring, blown fuse, power supply issue.	Check power connections (Yellow, Red, Black wires). Verify vehicle fuse and unit's fuse. Ensure sufficient power supply.
No display on screen.	Loose display cable, software glitch, hardware failure.	Ensure the display cable is securely connected. Try restarting the unit. If the issue persists, contact support.
No sound.	Speaker wiring issue, volume too low, incorrect audio source.	Check speaker connections (ISO cable). Increase volume. Select the correct audio source.
Bluetooth not connecting.	Device not in pairing mode, unit's Bluetooth off, interference.	Ensure both devices have Bluetooth enabled and are in pairing mode. Restart both devices. Move closer to the unit.
GPS signal weak or inaccurate.	GPS antenna placement, environmental interference.	Ensure GPS antenna is placed in an unobstructed location (e.g., dashboard, away from metal). Update GPS software if available.
DVD/CD not playing.	Disc dirty or scratched, incorrect disc format, disc not fully inserted.	Clean the disc. Ensure it's a supported format. Insert the disc fully and correctly.
Noise or interference in monitor.	Poor grounding, faulty cables, electrical interference from vehicle.	Check all ground connections. Inspect cables for damage. Consider installing a noise filter if interference persists.

6. SPECIFICATIONS

Feature	Detail
Screen Size	10.1 inches
Display Type	LED IPS
Resolution	1024 x 600

Feature	Detail
Operating System	Android 12
Processor	8-Core
RAM	2GB
Internal Storage	32GB
USB Ports	2
Memory Card Slots	2 x Micro SD slots
Map Type	City Tour (via downloadable apps)
Product Dimensions (W x D x H)	17.8 x 15.3 x 10 cm
Weight	2.2 kg
Connectivity	Bluetooth 5.0, Wi-Fi, 4G (SIM compatible)
Features	Hands-free calling, CarPlay, Android Auto, Screen Mirroring, DVD Player, Video Input/Output, OBD2/DVR support
Audio Output Mode	Stereo
Power Output	4 x 45W
Operating Voltage	DC 12V (10.8V to 16V operable)

7. WARRANTY AND SUPPORT

The XTRONS TIE Series Car Navigation System 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 instructions, a PDF version of the Japanese user manual can be downloaded from the official XTRONS community website: <https://xtrons.com/community/index.php/user-manuals-japanese/>.

If you have any questions or require technical assistance, please contact XTRONS customer support via email. Provide your product model and a detailed description of the issue for prompt assistance.

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.

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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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