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› XTRONS ID90MTVL Autoradio GPS User Manual

XTRONS ID90MTVL

XTRONS ID90MTVL Autoradio GPS User Manual

Model: ID90MTVL | Brand: XTRONS

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your XTRONS ID90MTVL Autoradio GPS system. This unit is specifically designed for various Volkswagen, Skoda, and SEAT models, featuring a 9-inch HD capacitive touchscreen, Android 14 operating system, Octa-Core processor, 4GB RAM, and 64GB ROM. It includes integrated GPS navigation, Wi-Fi, 4G connectivity (SIM card reader included), dual microphones, USB and SD inputs, and supports steering wheel controls via dual-channel Canbus.

Key features include built-in Apple CarPlay and Android Auto, Bluetooth A2DP, screen mirroring, and support for optional accessories such as DAB+, DVR cameras, OBD2, and TPMS (accessories not included).

Octa Core

4 GB RAM

64 GB ROM

4G LTE

9" Android Navigation Car Stereo

Custom Fit for Volkswagen/Skoda/SEAT



Note: This unit does not play discs.



Wireless
CarPlay



Wireless
Android Auto



IPS Display



Support AHD
Camera

Image 1.1: Overview of XTRONS ID90MTVL Autoradio highlighting its core specifications and features.

2. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and safety. It is highly recommended to have this unit installed by a qualified professional to avoid damage to the device or your vehicle's electrical system.

2.1 Package Contents

Before beginning installation, verify that all components are present in the package:

- XTRONS ID90MTVL Head Unit
- Power Harness with CAN bus decoder
- GPS Antenna
- 4G Antenna

- USB Cables
- External Microphone
- RCA Cables (Audio/Video Input/Output)
- User Manual (this document)



Image 2.1: Included accessories and cables for the XTRONS ID90MTVL.

2.2 Pre-Installation Check

1. Disconnect the vehicle's battery to prevent electrical shorts.
2. Carefully remove the factory radio or existing head unit from the dashboard.
3. Compare the XTRONS unit's dimensions and connectors with your vehicle's dashboard opening and wiring.



Image 2.2: Visual comparison of the dashboard before and after installing the XTRONS ID90MTVL.

2.3 Wiring and Connections

- **Power Harness:** Connect the main power harness to the vehicle's wiring. Ensure the CAN bus decoder is correctly connected to enable steering wheel controls and vehicle information display.
- **Antennas:** Connect the GPS antenna and 4G antenna. Position them in a location with clear signal reception (e.g., dashboard, A-pillar).
- **USB & SD:** Route the USB cables and SD card slot to an accessible location (e.g., glove compartment, center console).
- **External Microphone:** Connect the external microphone for improved call quality. Position it near the driver's head.
- **Optional Connections:** If installing a DVR camera, OBD2 dongle, or TPMS kit, connect them to the appropriate ports as per their respective manuals.

2.4 Initial Power-On

1. Once all connections are secure, reconnect the vehicle's battery.
2. Turn on the vehicle's ignition. The unit should power on automatically.
3. Follow the on-screen prompts for initial setup, including language selection and time zone.



Image 2.3: XTRONS ID90MTVL unit seamlessly integrated into a vehicle's dashboard.

3. OPERATING INSTRUCTIONS

This section details the primary functions and features of your XTRONS ID90MTVL unit.

3.1 User Interface Navigation

The unit features a responsive 9-inch capacitive touchscreen. Navigate through menus and applications by tapping, swiping, and pinching (for zoom).



Image 3.1: Main Android user interface of the XTRONS ID90MTVL.

3.2 Audio and Multimedia

- **Radio:** Access the built-in FM/AM tuner. Scan for stations, save presets, and adjust audio settings.
- **USB/SD Playback:** Insert a USB drive or SD card into the designated slots. The unit supports various audio and video formats. Use the 'File Manager' app to browse and play media.
- **Bluetooth Audio (A2DP):** Pair your smartphone via Bluetooth to stream music wirelessly.

3.3 Connectivity

- **Wi-Fi:** Connect to a Wi-Fi hotspot (e.g., from your smartphone or a portable hotspot) to access online features, download apps, and browse the internet. Go to Settings > Network & Internet > Wi-Fi.
- **4G:** Insert a compatible 4G SIM card into the dedicated slot. This enables direct internet access without needing a Wi-Fi hotspot. Ensure your SIM card is activated and has a data plan.
- **Bluetooth:** Pair your phone for hands-free calling and audio streaming. Go to Settings > Connected devices > Pair new device.

3.4 Navigation (GPS)

The unit comes with pre-installed GPS navigation software. Ensure the GPS antenna is properly connected and positioned for optimal signal reception. You can also download and use other navigation apps from the Google Play Store.

3.5 Apple CarPlay and Android Auto

The XTRONS ID90MTVL supports both wired and wireless Apple CarPlay and Android Auto, allowing seamless integration of your smartphone's features onto the head unit's display.

- **Apple CarPlay:** Connect your iPhone via USB or wirelessly. The CarPlay interface will appear, providing access to Maps, Music, Messages, Phone, and other compatible apps.



Image 3.2: Apple CarPlay interface on the XTRONS ID90MTVL.

- **Android Auto:** Connect your Android phone via USB or wirelessly. The Android Auto interface will launch, offering navigation, communication, and entertainment features.



Image 3.3: Android Auto interface on the XTRONS ID90MTVL.

3.6 Steering Wheel Controls

Thanks to the integrated CAN bus decoder, the unit automatically supports your vehicle's factory steering wheel controls. This allows you to manage volume, track skipping, and answer calls without taking your hands off the wheel.

4. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your XTRONS ID90MTVL unit.

4.1 Screen Cleaning

To clean the touchscreen, power off the unit. Use a soft, lint-free cloth (e.g., microfiber cloth) slightly dampened with water or a screen-specific cleaning solution. Do not use abrasive cleaners, alcohol, or ammonia-based solutions, as these can damage the screen coating.

4.2 Software Updates

XTRONS may release software updates to improve performance, add features, or fix bugs. Check the official XTRONS website or contact customer support for information on available updates and instructions on how to perform them. It is recommended to keep your unit's software up to date.

5. TROUBLESHOOTING

This section addresses common issues you might encounter and provides potential solutions.

Problem	Possible Cause	Solution
Unit does not power on.	Loose power connection, blown fuse, vehicle battery issue.	Check all power connections. Inspect vehicle fuses and the unit's fuse. Ensure vehicle battery is charged.
No sound from speakers.	Speaker wires disconnected, volume too low, mute enabled, incorrect audio output settings.	Check speaker wiring connections. Increase volume. Disable mute. Verify audio output settings in the system menu.
GPS signal is weak or lost.	GPS antenna improperly installed or obstructed, unit in an area with poor satellite coverage.	Ensure GPS antenna is securely connected and placed in a clear line of sight to the sky. Move vehicle to an open area.
Bluetooth connection issues.	Phone not in pairing mode, unit's Bluetooth off, interference.	Ensure phone's Bluetooth is on and discoverable. Restart both the unit and the phone. Delete previous pairings and re-pair.
Touchscreen unresponsive.	System freeze, temporary software glitch.	Perform a soft reset (refer to manual for specific reset button location, usually a small pinhole). If issue persists, consider a factory reset (data will be lost).

If the problem persists after attempting these solutions, please contact XTRONS customer support for further assistance.

6. SPECIFICATIONS

Detailed technical specifications for the XTRONS ID90MTVL Autoradio GPS.

Feature	Specification
Model Number	ID90MTVL
Operating System	Android 14
Processor	Octa-Core Cortex-A55
RAM	4GB DDR4
ROM	64GB SSD
Screen Size	9 inches
Screen Resolution	1280x720 HD IPS
Connectivity	Wi-Fi, Bluetooth, 4G (SIM card slot), USB
Special Features	Android Auto, Apple CarPlay, GPS Navigation, CAN bus support, Dual Microphone
Compatible Devices	Smartphone
Audio Output Mode	Stereo

Feature	Specification
Output Power	180 Watts
Color	Black

7. WARRANTY AND SUPPORT

For warranty information, product registration, or technical support, please refer to the warranty card included with your product or visit the official XTRONS website. Keep your purchase receipt as proof of purchase for any warranty claims. For the most up-to-date support resources, FAQs, and contact information, please visit:

- [XTRONS Official Website](#)