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› Dual Electronics XVM296BT User Manual

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Dual Electronics XVM296BT User Manual

6.2" Media Touch Screen Double DIN Car Stereo Radio with Bluetooth, USB and microSD Inputs

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Dual Electronics XVM296BT Double DIN In-Dash Bluetooth Digital Media Receiver. Please read this manual thoroughly before using the product to ensure proper operation and to prevent damage.

The XVM296BT features a vibrant 6.2" Digital LED Backlit Display, Bluetooth for hands-free calling and audio streaming, USB and microSD inputs for media playback, and an AM/FM tuner. It is designed to enhance your in-car entertainment experience with robust audio performance and intuitive controls.

SAFETY INFORMATION

Always observe the following safety precautions when installing or operating the XVM296BT:

- Do not operate the unit in a manner that distracts you from driving. Always prioritize road safety.
- Ensure all wiring is correctly connected to prevent short circuits or damage to the vehicle's electrical system. Consult a professional if unsure about installation.
- Do not disassemble or modify the unit. This can cause damage, fire, or electric shock.
- Keep the volume at a level that allows you to hear outside sounds, such as emergency vehicles.
- Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.
- Use only accessories and parts recommended by Dual Electronics.

PACKAGE CONTENTS

Upon opening the product packaging, verify that all items listed below are present and in good condition.



Product Box: The retail packaging for the Dual Electronics XVM296BT, displaying the unit's features and model number. This box contains all components of the car stereo system.



Main Unit: The XVM296BT car stereo receiver, securely nestled within its protective cardboard packaging. The unit is typically wrapped in a clear plastic bag for protection.



Accessories: Includes the main wiring harness, mounting hardware (screws), and the user manual/quick start guide. These components are essential for installation and operation.

- XVM296BT Main Unit
- Wiring Harness
- Mounting Hardware (screws, brackets)

- User Manual / Quick Start Guide

SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and safety. If you are not confident in performing the installation yourself, it is recommended to seek professional assistance.

Wiring Diagram Overview

The XVM296BT comes with a standard ISO connector and a detailed wiring harness. Refer to the included wiring diagram for specific connections. Key connections include:

- **Yellow Wire:** Constant 12V (Battery)
- **Red Wire:** Switched 12V (Accessory/Ignition)
- **Black Wire:** Ground
- **Blue Wire:** Power Antenna / Amplifier Remote Turn-On
- **Orange/White Wire:** Illumination
- **Speaker Wires:** Front Left (+/-), Front Right (+/-), Rear Left (+/-), Rear Right (+/-)
- **Reverse Gear Wire:** For backup camera activation (if applicable)
- **Parking Brake Wire:** For video playback safety interlock

Ensure all connections are secure and insulated to prevent short circuits. Incorrect wiring can damage the unit or vehicle's electrical system.

Physical Installation

1. Disconnect the vehicle's negative battery terminal before beginning installation.
2. Remove the existing car stereo from the dashboard.
3. Connect the XVM296BT's wiring harness to the vehicle's wiring harness, matching colors and functions.
4. Connect the antenna cable and any other necessary inputs (USB, AUX, Camera).
5. Slide the XVM296BT into the double DIN opening in your dashboard. Secure it using the provided mounting brackets and screws.
6. Reconnect the vehicle's negative battery terminal.
7. Test the unit's functions before fully reassembling the dashboard.

OPERATING INSTRUCTIONS

The XVM296BT features a 6.2" touchscreen interface for most operations, supplemented by physical buttons.

Basic Controls

- **Power/Volume Knob:** Press to turn on/off. Rotate to adjust volume.
- **MODE Button:** Cycles through available audio sources (Radio, USB, SD, Bluetooth, AUX, Camera).
- **(Skip/Tune) Buttons:** Short press for track skip/station seek. Long press for fast forward/rewind or manual tuning.
- **Home Button:** Returns to the main menu screen.

Radio Operation (AM/FM)

1. Press the MODE button or select "Radio" from the main menu.
2. Touch the screen to access tuning options.

3. Use the (Seek) buttons on the screen or physical buttons to find stations.
4. To save a preset, tune to the desired station, then press and hold one of the preset numbers on the screen. The unit supports 18 FM and 12 AM presets.

Bluetooth Connectivity

1. Select "Bluetooth" from the main menu.
2. On your mobile device, enable Bluetooth and search for available devices.
3. Select "XVM296BT" from the list. If prompted for a passcode, enter "0000".
4. Once paired, you can make/receive calls and stream audio.
5. Use the touchscreen controls for call management (answer, end, transfer) and audio playback (play, pause, skip).

USB and microSD Playback

1. Insert a USB drive into the front USB port or a microSD card into the dedicated slot.
2. The unit will automatically switch to the USB/SD source or prompt you to select it.
3. Browse files and folders using the touchscreen interface.
4. Supported audio formats include MP3 and M4A. Supported video formats include MPEG.
5. The MP3 ID3 Tag Display will show track information.

Auxiliary Input

Connect external audio devices (e.g., portable music players) to the front 3.5mm auxiliary input jack. Select "AUX" from the main menu to listen to audio from the connected device.

Backup Camera Input

If a backup camera is connected and properly wired, the display will automatically switch to the camera view when the vehicle is shifted into reverse gear.

Audio Settings (Equalizer)

Access the audio settings via the "Settings" icon on the main menu. The XVM296BT features a 7-Band Equalizer, allowing you to fine-tune the audio output to your preference. Adjust bass, treble, and other frequency bands for optimal sound quality.

MAINTENANCE

- To ensure the longevity and optimal performance of your XVM296BT, follow these maintenance guidelines:
- **Cleaning the Screen:** Use a soft, lint-free cloth to gently wipe the touchscreen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid abrasive materials or harsh chemicals.
 - **General Cleaning:** Use a dry, soft cloth to wipe the unit's body. Do not use liquid cleaners directly on the unit.
 - **Temperature:** Avoid exposing the unit to extreme temperatures. Prolonged exposure to direct sunlight or very cold conditions can affect performance and lifespan.
 - **Ventilation:** Ensure the unit's ventilation openings are not blocked to prevent overheating.

TROUBLESHOOTING

If you encounter issues with your XVM296BT, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No Power	Blown fuse; Incorrect wiring (constant 12V or ground); Vehicle battery issue.	Check the fuse on the unit and in the vehicle's fuse box. Verify all power and ground connections. Check vehicle battery voltage.
No Sound	Speaker wires disconnected; Volume too low; Mute function active; Incorrect audio source selected.	Check speaker connections. Increase volume. Deactivate mute. Select the correct audio source.
Bluetooth Pairing Failure	Bluetooth not enabled on device; Device too far; Incorrect pairing procedure.	Ensure Bluetooth is on and discoverable on your device. Bring device closer. Re-attempt pairing process.
USB/SD Not Reading	Unsupported file format; Corrupted files; USB/SD card issues; Card not inserted correctly.	Ensure files are supported (MP3, M4A, MPEG). Try a different USB/SD card. Reinsert the card. Format the card if necessary (backup data first).
Screen Not Responding	Temporary software glitch; Unit frozen.	Perform a soft reset (if available, usually a small reset button) or turn off the vehicle ignition and restart.

If the problem persists after trying these solutions, contact Dual Electronics customer support.

SPECIFICATIONS

Detailed technical specifications for the Dual Electronics XVM296BT:

- **Model:** XVM296BT
- **Display:** 6.2" Digital LED Backlit Touchscreen
- **Power Output:** 50 Watts x 4 Channels (Peak), 16 Watts x 4 Channels (RMS)
- **Total Wattage:** 200 Watts
- **Preamp Outputs:** 2 sets of 2 volts (Front/Rear)
- **Audio Output Mode:** Stereo (2.0 Surround Sound Channel Configuration)
- **Connectivity:** Bluetooth, USB, microSD, 3.5mm Auxiliary Input
- **Compatible Devices:** Smartphone
- **Special Features:** Touchscreen, 7-Band Equalizer, MP3 ID3 Tag Display
- **Tuner:** AM/FM with 18 FM / 12 AM Presets
- **Media Playback:** MP3, M4A (audio); MPEG-1, MPEG-4 (video)
- **Inputs:** Front USB, Front Auxiliary, Backup Camera Input
- **Manufacturer:** Dual Electronics
- **First Available Date:** December 21, 2023

WARRANTY AND SUPPORT

The Dual Electronics XVM296BT is backed by a **90 Day Manufacturer's Warranty** from the date of purchase. This warranty covers defects in material and workmanship under normal use. For warranty service or technical support, please contact Dual Electronics customer service. Keep your proof of purchase (receipt) for warranty claims.

Contact Information:

- Refer to the contact details provided in the Quick Start Guide or on the official Dual Electronics website.

- Online support resources may include FAQs, firmware updates, and additional documentation.

Do not attempt to repair the unit yourself, as this may void the warranty.

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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