

ESX VMX900DAB

ESX Vision VMX900DAB Universal 1-DIN Multimedia Receiver User Manual

Model: VMX900DAB

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your ESX Vision VMX900DAB Universal 1-DIN Multimedia Receiver. Please read this manual thoroughly before using the device to ensure proper functionality and to maximize your user experience.

The ESX Vision VMX900DAB is a versatile 1-DIN multimedia receiver featuring a 9-inch multi-angle touchscreen display. It integrates advanced connectivity options including wireless Apple CarPlay and Android Auto, DAB+ digital radio, Bluetooth hands-free calling and audio streaming, and a comprehensive media player. The unit is designed for universal compatibility and offers a removable monitor for enhanced security.



Figure 1.1: ESX Vision VMX900DAB with navigation interface.

2. SETUP AND INSTALLATION

2.1 Package Contents

Before installation, verify that all components are present:

- ESX Vision VMX900DAB Main Unit
- Detachable 9-inch Touchscreen Monitor
- Power/Speaker Wiring Harness
- External Microphone
- GPS Antenna
- DAB+ Antenna
- USB Extension Cables
- Mounting Hardware (brackets, screws)
- User Manual (this document)



Figure 2.1: Included accessories and components.

2.2 Mounting the Main Unit

1. Ensure the vehicle's battery is disconnected before starting installation.
2. Insert the 1-DIN main unit into the vehicle's dashboard opening.
3. Secure the main unit using the provided mounting brackets and screws.

2.3 Connecting the Monitor

The 9-inch monitor is detachable and connects to the main unit via a click system.

1. Align the monitor's connector with the slot on the main unit.
2. Gently push the monitor until it clicks securely into place.
3. To remove, press the release button (if applicable) and pull the monitor away.

abnehmbarer Monitor mit CLICK-System



Figure 2.2: Detachable monitor with click system.

2.4 Wiring Connections

Refer to the wiring diagram provided with the unit for specific connections. Key connections include:

- **Power and Speakers:** Connect the main wiring harness to the vehicle's power supply and speakers.
- **External Microphone:** Plug the external microphone into its dedicated input for optimal hands-free call quality.
- **GPS Antenna:** Connect the GPS antenna and mount it in a location with a clear view of the sky for accurate positioning.
- **DAB+ Antenna:** Connect the DAB+ antenna for digital radio reception.
- **USB Ports:** Two USB-A ports are available. One for media playback and charging (1.5A), and another specifically for Apple CarPlay/Android Auto and charging (1.5A).
- **RCA Pre-amplified Outputs:** Six 4V RCA outputs (FL/FR/RL/RR/SUB1/SUB2) are available for connecting external amplifiers.
- **AUX RCA Inputs:** Stereo audio and video inputs (L/R/VIDEO) for external audio/video sources.
- **Camera RCA Inputs:** Dedicated inputs for front and rear cameras.
- **Steering Wheel Control:** Analog steering wheel remote control input (learnable) for integration with vehicle controls.



Figure 2.3: Rear connections of the main unit.

3. OPERATING INSTRUCTIONS

3.1 Power On/Off and Basic Controls

- **Power On:** The unit will power on automatically with the vehicle's ignition.
- **Power Off:** The unit will power off automatically with the vehicle's ignition.
- **Volume Control:** Use the large rotary knob on the front panel to adjust the volume.
- **Function Keys:** Four function keys on the front panel provide quick access to common features.
- **Touchscreen:** All primary functions are controlled via the 9-inch touchscreen.

3.2 Home Screen and Navigation

The home screen provides access to all main functions and applications.



Figure 3.1: Main menu/home screen.

3.3 Apple CarPlay and Android Auto

The VMX900DAB supports both wireless and wired (via USB) Apple CarPlay and Android Auto.

- **Wireless Connection:** Enable Bluetooth and Wi-Fi on your smartphone and follow the on-screen prompts to connect.
- **Wired Connection:** Connect your smartphone to the dedicated USB-A port using a compatible USB cable.
- Once connected, your smartphone's compatible apps (navigation, music, calls, messages) will be mirrored on the receiver's display.



3.4 Radio Functions (DAB+/FM/AM)

- **DAB+ Radio:** Select the DAB+ icon from the home screen. The unit will scan for available digital radio stations.
- **FM/AM Radio:** Select the Radio icon. Use the touchscreen to tune to stations, save presets, and access RDS functions.

3.5 Bluetooth Hands-Free and Audio Streaming

- **Pairing:** Enable Bluetooth on your smartphone and search for the VMX900DAB. Select the device and confirm pairing.
- **Hands-Free Calling:** Once paired, you can make and receive calls directly through the receiver. The external microphone ensures clear voice transmission. Your phonebook can be synchronized.
- **Audio Streaming:** Stream music wirelessly from your smartphone to the receiver.

3.6 Media Playback

The unit supports various audio, video, and photo formats via USB.

- **Supported File Formats:** AVI, FLV, MOV, MKV, WMV, WMA, MP3, FLAC, JPEG, PNG, BMP.
- Insert a USB drive into the media USB-A port. Select the USB icon from the home screen to browse and play media files.

3.7 Monitor Adjustment

The monitor can be tilted and adjusted in height to achieve the optimal viewing angle and prevent obstruction of vehicle controls.



Figure 3.3: Adjustable monitor mechanism.

3.8 Customization

- **Startup Logo:** Customize the startup logo in the settings menu.
- **RGB Key Illumination:** Select from various RGB colors and animation effects for the key illumination.
- **Menu Languages:** Supported languages include DEU, ENG, SWE, ITA.

4. MAINTENANCE

4.1 Cleaning the Unit

- Use a soft, dry cloth to wipe the display and unit surfaces.
- For stubborn marks on the screen, use a screen cleaner specifically designed for electronic displays and a microfiber cloth.
- Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or screen.

4.2 General Care

- Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or high humidity.
- Ensure proper ventilation around the unit to prevent overheating.
- When removing the monitor, handle it carefully to avoid damage to the connectors.

5. TROUBLESHOOTING

If you encounter issues with your VMX900DAB, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power	Incorrect wiring; Blown fuse; Vehicle ignition off	Check power connections; Replace fuse; Turn on vehicle ignition
No sound	Volume too low; Mute activated; Speaker wiring issue	Increase volume; Deactivate mute; Check speaker connections
Bluetooth not connecting	Bluetooth off on phone/unit; Incorrect pairing process	Ensure Bluetooth is on; Re-attempt pairing process
Apple CarPlay/Android Auto not starting	Incorrect USB port; Faulty USB cable; Phone not compatible/configured	Use the dedicated USB port; Try a different USB cable; Check phone settings for CarPlay/Android Auto
Poor radio reception	Antenna not connected; Poor antenna placement; Weak signal area	Check antenna connection; Adjust antenna position; Try in a different location
Monitor not displaying	Monitor not securely attached; Connector issue	Ensure monitor is fully clicked into place; Check for debris in connector

If the problem persists after attempting these solutions, please contact ESX customer support or your authorized dealer.

6. SPECIFICATIONS

Feature	Specification
Model Number	VMX900DAB
Display	9-inch Multi-angle Touchscreen
Form Factor	1-DIN Universal
Connectivity	USB, Bluetooth, Auxiliary
Special Features	Wireless Apple CarPlay, Wireless Android Auto, Detachable Monitor with Click System
Radio Tuner	DAB+ (Digital Radio), FM/AM with RDS

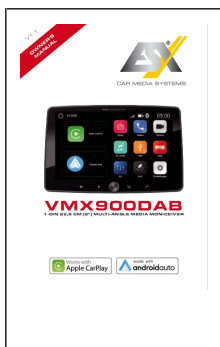
Feature	Specification
Bluetooth	Hands-free function, Audio Streaming
USB Ports	2x USB-A (1.5A charging, one dedicated for CarPlay/Android Auto)
Max Music Power	4 x 80 W
Pre-amplified Outputs	6x RCA (4V) (FL/FR/RL/RR/SUB1/SUB2)
AUX Inputs	RCA (L/R/VIDEO)
Camera Inputs	RCA (Front/Rear)
Supported File Formats	AVI, FLV, MOV, MKV, WMV, WMA, MP3, FLAC, JPEG, PNG, BMP
External Microphone	Included
Steering Wheel Control	Analog (learnable)
GPS Receiver	Included
Menu Languages	DEU, ENG, SWE, ITA
Total Output Power	320 Watts
Surround Sound Channel Configuration	4.2
Audio Output Mode	Stereo

7. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided at the time of purchase or contact your authorized ESX dealer. Warranty terms and conditions may vary by region and retailer.

For technical support or further assistance, please contact ESX customer service or visit the official ESX website for support resources.

Related Documents - VMX900DAB

 The image shows the front cover of the user manual for the ESX VMX900DAB. It features a black car stereo unit with a touchscreen display showing various app icons. Above the unit is the ESX logo and the text 'CAR MEDIA SYSTEMS'. Below the unit, the model name 'VMX900DAB' is prominently displayed. At the bottom, there are logos for Apple CarPlay and Android Auto.	ESX VMX900DAB 1-DIN Media Receiver User Manual User manual for the ESX VMX900DAB, a 1-DIN multi-angle media moniceiver with a 22.8 cm (9") touchscreen. Covers installation, control elements, settings, and functions like Apple CarPlay, Android Auto, radio, hands-free, Bluetooth audio, camera, USB, DAB, and AUX.
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	ESX VMX900DAB 1-DIN Media Receiver User Manual This user manual provides comprehensive instructions for the ESX VMX900DAB 1-DIN Multi-Angle Media Moniceiver, covering installation, operation, settings, and features like Apple CarPlay and Android Auto.
	ESX VMX700DAB 2-DIN Media Receiver User Manual This manual provides comprehensive instructions for the ESX VMX700DAB, a 2-DIN 7-inch media moniceiver. It covers general information, safety instructions, specifications, installation, control elements, settings for audio, display, Wi-Fi, Bluetooth, camera, and radio, as well as application functions like Apple CarPlay, Android Auto, Handsfree, BT Audio, Camera, USB, DAB, and AUX.
	ESX VMX700DAB 2-DIN Media Moniceiver Benutzer-Handbuch und Installationsanleitung Umfassendes Benutzerhandbuch und Installationsanleitung für den ESX VMX700DAB 2-DIN 7-Zoll Media Moniceiver. Beinhaltet Funktionen, Anschlüsse, Einstellungen und Anwendungen wie Apple CarPlay und Android Auto.
	ESX iGO Primo Nextgen Navigation Quick Start Guide for Camper & Truck Android Comprehensive quick start guide for the ESX iGO Primo Nextgen touchscreen navigation system, Vision Series for Android. Covers installation, initial setup, navigation views, menus, route planning, and settings for camper and truck use.
	ESX QL800.6 6-Channel Class D Amplifier Owner's Manual User manual for the ESX QL800.6 6-Channel Class D Amplifier. This guide provides detailed information on installation, technical specifications, safety, and troubleshooting for your car audio system.



[ESX VMX900DAB 1-DIN Media Receiver User Manual](#)

User manual for the ESX VMX900DAB, a 1-DIN multi-angle media moniceiver with a 22.8 cm (9") touchscreen. Covers installation, control elements, settings, and functions like Apple CarPlay, Android Auto, radio, hands-free, Bluetooth audio, camera, USB, DAB, and AUX.

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[ESX VMX900DAB Moniceiver Testbericht mit 9-Zoll-Display](#)

Umfassender Testbericht zum ESX VMX900DAB Moniceiver. Erfahren Sie mehr über das 9-Zoll-Display, die innovative Klick-Halterung, Apple CarPlay, Android Auto und die technischen Spezifikationen.

lang:de score:35 filesize: 395.35 K page_count: 2 document date: 2025-03-20



[ESX VMX900DAB 1-DIN Media Receiver User Manual](#)

This user manual provides comprehensive instructions for the ESX VMX900DAB 1-DIN Multi-Angle Media Moniceiver, covering installation, operation, settings, and features like Apple CarPlay and Android Auto.

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1/2025 INTERNATIONAL 9 Individual test ESX **VMX900DAB** The 9-inch monitor can be attached and removed with a single click In the fall of 2024, ESX launched the VMX700DAB, an affordable moniceiver that impressed our testers with cutting-edge technology and a comprehensive range of features see ...

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Audio Design Test Reviewsvmx900dab chaudiodesign de english assets vmx900dab ch |||

Einzeltest ESX **VMX900DAB** Moniceiver ESX **VMX900DAB** im Test Universell fr Fahrzeuge mit DIN-Schacht Der Trick mit dem Klick Das neueste Bildschirmradio von ESX bietet einen 9-Zoll-Monitor mit ausgeklügelter Klick-Halterung. Im Herbst 2024 brachte ESX mit dem VMX700DAB einen preisngstigen Monice...

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