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> ESX Vision VMX1000DAB Universal 1-DIN Multi-Angle Media Moniceiver 10 Inch Touchscreen User Manual

ESX VMX1000DAB

ESX Vision VMX1000DAB User Manual

Universal 1-DIN Multi-Angle Media Moniceiver with 10 Inch Touchscreen

INTRODUCTION

Thank you for choosing the ESX Vision VMX1000DAB Multi-Angle Media Moniceiver. This device is a universal 1-DIN car multimedia system featuring a 10-inch touchscreen display. It offers advanced connectivity options including wireless Apple CarPlay and Android Auto, DAB+ digital radio, Bluetooth hands-free calling and audio streaming, and a versatile media player. This manual provides essential information for the proper installation, operation, and maintenance of your VMX1000DAB unit.

WHAT'S IN THE BOX

Carefully unpack your ESX Vision VMX1000DAB and ensure all items are present:

- VMX1000DAB Moniceiver Unit
- GPS Receiver
- DAB+ Window Adhesive Antenna
- External Microphone
- Mounting Hardware and Cables (ISO harness, USB cables, RCA cables)

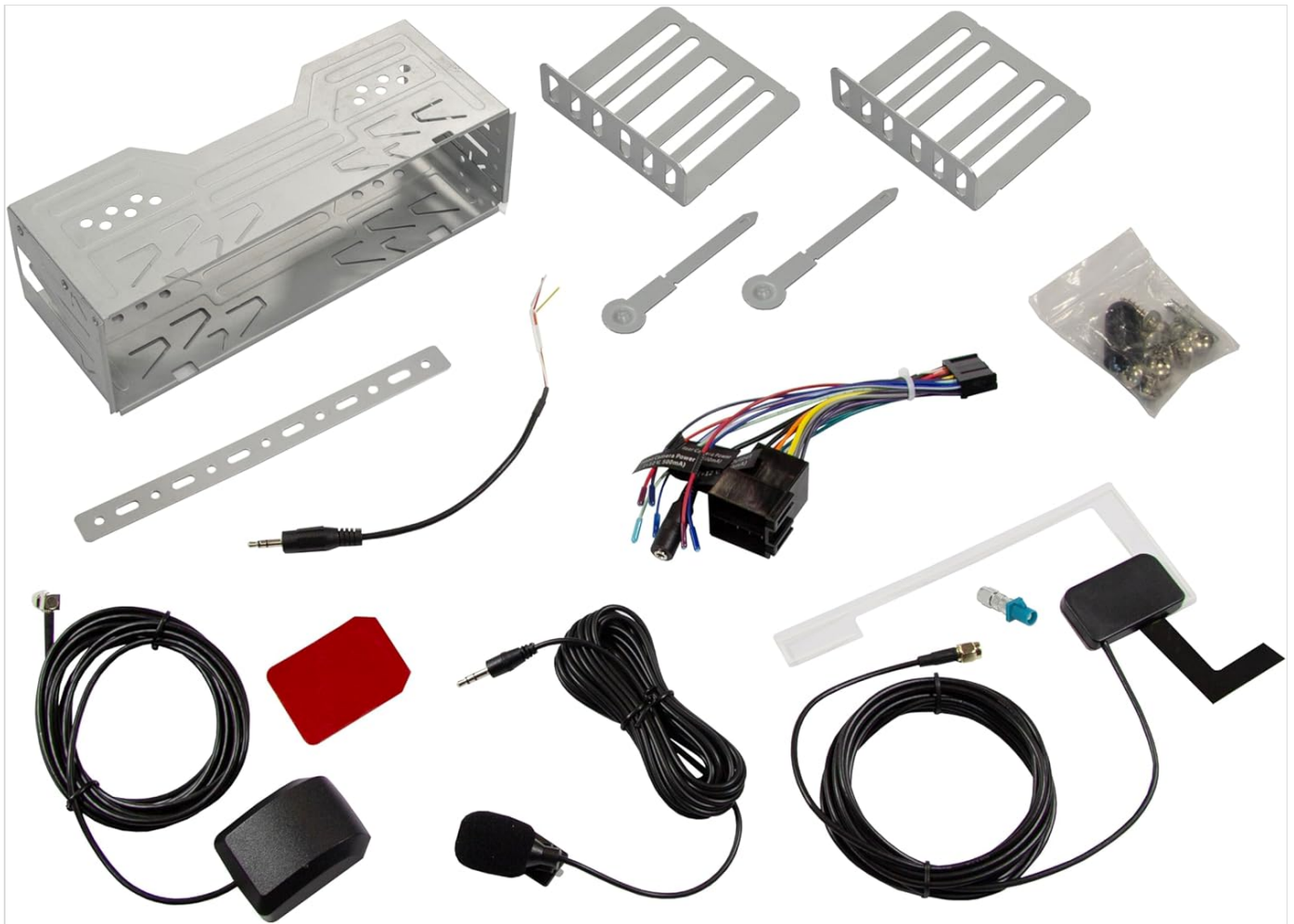


Image: All components included in the ESX Vision VMX1000DAB package.

SETUP AND INSTALLATION

The VMX1000DAB is designed for universal 1-DIN installation. Professional installation is recommended to ensure correct wiring and functionality.

1. Mounting the Unit

- Install the 1-DIN chassis into your vehicle's dashboard opening using the provided mounting cage and brackets.
- The 10-inch monitor is multi-angle adjustable and removable for anti-theft protection. To attach, slide the monitor onto the front of the main unit until it clicks securely into place. To remove, press the release button (if applicable) and slide it off.



Image: The VMX100DAB unit with its detachable monitor.

2. Wiring Connections

Connect the wiring harness, antennas, and external devices to the rear of the moniceiver. Refer to the wiring diagram provided with your unit for specific connections.

- **Power/Speaker Harness:** Connect the main ISO harness to your vehicle's wiring.
- **USB-A 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-outs:** Six 4V RCA preamplifier outputs (FL/FR/RL/RR/SUB1/SUB2) for connecting external amplifiers.
- **RCA AUX Inputs:** Stereo audio (L/R) and video input for external sources.
- **Camera Inputs:** Dedicated RCA inputs for front and rear cameras.
- **GPS Antenna:** Connect the GPS receiver for optimized navigation.
- **DAB+ Antenna:** Connect the included DAB+ window adhesive antenna for digital radio reception.
- **External Microphone:** Plug in the external microphone for clear hands-free calls.
- **Steering Wheel Control:** Connect to your vehicle's analog steering wheel controls (learnable function).



Image: Rear connections of the VMX1000DAB unit.

OPERATING INSTRUCTIONS

The VMX1000DAB features a user-friendly interface controlled via its 10-inch touchscreen, a large volume knob, and four function keys.

1. Basic Controls

- **Power On/Off:** Press and hold the power button (usually integrated with the volume knob).
- **Volume:** Rotate the large knob to adjust the volume.
- **Function Keys:** Use the dedicated function keys for quick access to common features.
- **Touchscreen:** Navigate menus and control functions by touching the display icons.



Image: VMX1000DAB Home Screen with various application icons.

2. Apple CarPlay & Android Auto

The VMX1000DAB supports both wireless and wired (via USB) Apple CarPlay and Android Auto. This allows you to mirror and control compatible smartphone apps directly from the 10-inch touchscreen.

- **Wireless Connection:** Enable Bluetooth and Wi-Fi on your smartphone and pair it with the VMX1000DAB. Follow the on-screen prompts to initiate CarPlay or Android Auto.
- **Wired Connection:** Connect your smartphone to the dedicated USB-A port using a certified USB cable.
- **Features:** Access navigation apps (e.g., Google Maps with Live Trading), music streaming services (e.g., Spotify), phone calls, messages, and other compatible applications.



Image: Apple CarPlay interface on the VMX1000DAB.

3. Radio Functions

- **DAB+ Digital Radio:** Select the DAB+ source to enjoy high-quality digital radio. Ensure the DAB+ antenna is properly installed.
- **FM/AM Radio:** Tune into FM or AM stations. The RDS (Radio Data System) function provides station information and traffic announcements where available.
- **Station Presets:** Save your favorite stations for quick access.

4. Bluetooth Connectivity

- **Pairing:** Go to the Bluetooth menu on the moniceiver and your smartphone. Search for and select the VMX1000DAB to pair.
- **Hands-Free Calling:** Make and receive calls directly through the moniceiver using the external microphone and your car's speakers.
- **Audio Streaming:** Play music from your smartphone via Bluetooth audio streaming (A2DP).

5. Media Player

The integrated media player supports various audio, video, and photo formats from USB storage devices.

- **Compatible Formats:** AVI, FLV, MOV, MKV, WMV (video); WMA, MP3, FLAC (audio); JPEG, PNG, BMP (photo).
- **USB Playback:** Insert a USB drive into the media USB-A port. The unit will automatically detect and allow you to browse and play media files.

6. Camera Inputs

Connect front and rear cameras to the dedicated RCA inputs for enhanced safety and parking assistance. The unit will automatically switch to the rear camera view when reverse gear is engaged (if properly wired).

7. Sound Settings

The VMX1000DAB features a 4 x 80 Watt max integrated amplifier. Access the equalizer (EQ) and sound settings to customize your audio experience. Future software updates (available from ESX homepage) will include advanced audio features such as variable high-pass/low-pass filters, time alignment for front, rear, and subwoofer, and dual HD camera input support.

MAINTENANCE

To ensure the longevity and optimal performance of your ESX Vision VMX1000DAB, 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.
- **Cleaning the Unit:** Wipe the main unit and buttons with a dry, soft cloth. Do not allow liquids to enter the unit.
- **Connections:** Periodically check all cable connections to ensure they are secure and free from corrosion.
- **Software Updates:** Check the official ESX homepage for available software updates to benefit from new features and improvements.

TROUBLESHOOTING

If you encounter issues with your VMX1000DAB, refer to the following common troubleshooting steps:

- **No Power:** Check the power connections and the vehicle's fuse box. Ensure the unit is properly seated in its harness.
- **No Sound:** Verify speaker connections. Check volume levels and ensure the mute function is not active. Confirm that the correct audio source is selected.
- **Bluetooth Connection Issues:** Ensure Bluetooth is enabled on both the moniceiver and your smartphone. Delete previous pairings and attempt to re-pair. Try restarting both devices.
- **CarPlay/Android Auto Not Connecting:** For wired connections, try a different USB cable or port. For wireless, ensure Wi-Fi is also enabled on your phone. Check for any software updates for your phone or the moniceiver.
- **Poor Radio Reception:** Check the antenna connection. For DAB+, ensure the adhesive antenna is correctly positioned and not obstructed.
- **Touchscreen Unresponsive:** Try restarting the unit. If the issue persists, a factory reset might be necessary (refer to the on-screen settings for this option).
- **Monitor Detachment:** Ensure the monitor is fully inserted and clicked into place. If it detaches easily, inspect the locking mechanism for any damage.

If these steps do not resolve the issue, please contact customer support or a qualified technician.

SPECIFICATIONS

Feature	Detail
Brand	ESX
Model Number	VMX1000DAB
Connectivity Technology	AUX, Bluetooth, USB, Wi-Fi
Control Method	Touch, Mechanical Knob
Special Features	Apple CarPlay/Android Auto (Wireless & USB), Removable Monitor with CLICK System
Compatible Devices	Smartphones
Audio Output Mode	Stereo

Feature	Detail
Video Encoding	AVI, FLV, MOV, MKV, WMV
Audio Formats	WMA, MP3, FLAC
Image Formats	JPEG, PNG, BMP
Output Power (RMS)	80 Watts (per channel, max)
Total Wattage	320 Watts (max)
Number of Channels	4
Preamplifier Outputs	4V RCA (FL/FR/RL/RR/SUB1/SUB2)
USB Input	USB Type A (with 1.5A charging)
Package Contents	Moniceiver, GPS receiver, DAB+ window adhesive antenna

WARRANTY AND SUPPORT

Warranty Information: Please refer to your purchase documentation, retailer, or the official ESX website for detailed warranty terms and conditions applicable to your region.

Customer Support: For technical assistance, troubleshooting beyond this manual, or inquiries regarding service, please contact your authorized ESX dealer or visit the official ESX homepage for support resources and contact information.

Software Updates: New functions and software updates are periodically released and made available free of charge via the ESX homepage. It is recommended to check for updates to ensure your device has the latest features and performance enhancements.