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Soundstream VM-22B Digital Media Receiver User Manual

Brand: Soundstream | Model: VM-22B

1. INTRODUCTION

The Soundstream VM-22B is a versatile Single DIN Digital Media Receiver designed to enhance your in-car audio experience. It offers a range of features including Bluetooth connectivity, SD/USB media playback, and an AM/FM radio tuner. This manual provides detailed instructions for the setup, operation, and maintenance of your device.



Figure 1: Soundstream VM-22B Single DIN Digital Media Receiver

Key Features:

- **Bluetooth Connectivity:** For hands-free calling and wireless audio streaming.
- **SD/USB Playback:** Supports MP3, WMA, M4A audio files, AVI, MP4, H264 video files, and JPEG, GIF, PNG, BMP image files.
- **AM/FM Tuner:** Access your favorite radio stations.
- **Integrated Amplifier:** Features a Class A/B integrated circuit audio amplifier.
- **Equalizer:** Customizable audio settings with several pre-set genre EQs.
- **USB Fast Charging:** Keep your devices powered.
- **Mirror Link Functionality:** Sync your smartphone to the display (when parked).

2. SETUP

2.1. Installation

The VM-22B is designed for Single DIN installation. Ensure your vehicle's dashboard opening is compatible. Professional installation is recommended for optimal performance and safety.



Figure 2: Front view of the Soundstream VM-22B unit.

2.2. Wiring Connections

Before connecting, ensure the vehicle's ignition is turned off and the negative battery terminal is disconnected. Use the provided wiring harness and refer to the diagram below for correct connections. It is highly recommended to use a wiring adapter specific to your vehicle to avoid cutting original car wires.



Figure 3: General Wiring Diagram for the VM-22B. Consult your vehicle's specific wiring diagram for accurate connections.

Ensure all speaker wires are connected with correct polarity (positive to positive, negative to negative) to prevent phase issues and poor sound quality. Secure all connections properly, preferably by soldering and heat-shrinking, rather than crimping.

The unit features RCA line outputs for connecting external amplifiers and an antenna input for the AM/FM tuner. A dedicated wire is available for connecting to a reverse camera, which will automatically display the camera feed when the vehicle is in reverse.

3. OPERATING INSTRUCTIONS

3.1. Front Panel Controls

- **Power/Mode Button:** Press to turn on/off, short press to cycle through audio sources (FM, AM, Bluetooth, AUX, USB, SD).
- **Volume Knob:** Rotate to adjust volume. Press to access audio settings (Bass, Treble, Balance, Fade, EQ).
- **Track Skip/Search Buttons:** Use to skip tracks or search radio stations.
- **USB Port:** For media playback and device charging.
- **SD Card Slot:** For media playback.
- **AUX Input:** 3.5mm jack for external audio devices.
- **Microphone:** For hands-free calling.

3.2. Bluetooth Operation

To pair your smartphone:

1. Ensure Bluetooth is enabled on your smartphone.
2. Select 'Bluetooth' as the source on the VM-22B. The unit will enter pairing mode.
3. Search for 'VM-22B' on your smartphone's Bluetooth device list and select it to connect.
4. Once paired, you can make/receive calls hands-free and stream audio wirelessly.

The unit supports hands-free profile for dialing, receiving calls, and displaying call logs. Advanced Audio Distribution Profile (A2DP) allows for wireless audio streaming.

3.3. Media Playback

Insert a USB drive or SD card into the respective slots. The unit will automatically switch to the USB or SD source and begin playback of compatible media files. Supported formats include MP3, WMA, M4A for audio, and AVI, MP4, H264 for video. Image files like JPEG, GIF, PNG, and BMP are also viewable.

VM-22B supports playback of MP3, WMA, M4A audio files, AVI, MP4 & H264 video files and JPEG, GIF, PNG & BMP image files are also viewable

Figure 4: VM-22B supports various audio, video, and image file formats.

3.4. Equalizer Settings

Press the volume knob to cycle through audio settings. You can adjust Bass, Treble, Balance (left/right speakers), and Fade (front/rear speakers). The unit also includes several pre-set genre equalizers (EQs) such as Flat, Rock, Pop, Classic, and Jazz to tailor the sound to your preference.

Users can tune the audio to their tastes by increasing or decreasing the level of the various frequencies. Several pre-set genre EQs are included

Figure 5: Customize your audio with various equalizer settings.

3.5. Mirror Link

The Mirror Link function allows you to display your smartphone's screen on the VM-22B's display. This feature is intended for passenger use only when the vehicle is safely parked. Consult your smartphone's manual for specific Mirror Link setup instructions.

4. MAINTENANCE

To ensure the longevity and optimal performance of your Soundstream VM-22B, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the unit's display and buttons. Avoid abrasive cleaners or solvents.
- **Temperature:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or high humidity.
- **Connections:** Periodically check all wiring connections to ensure they are secure and free from corrosion.

5. TROUBLESHOOTING

If you encounter issues with your VM-22B, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No Power	Blown fuse, incorrect wiring, loose power connection.	Check vehicle's fuse box and unit's fuse. Verify power and ground connections.
No Sound	Volume too low, incorrect source selected, speaker wiring issues.	Increase volume. Select correct audio source. Check speaker connections and polarity.
Bluetooth Not Connecting	Unit not in pairing mode, Bluetooth off on phone, interference.	Ensure unit is in Bluetooth mode. Restart phone and unit. Try re-pairing.

Problem	Possible Cause	Solution
USB/SD Playback Error	Incompatible file format, corrupted media, faulty USB/SD card.	Check file formats. Try a different USB/SD card. Ensure media is not corrupted.

6. SPECIFICATIONS

Feature	Detail
Model Number	VM-22B
Product Dimensions	4 x 7 x 4 inches
Item Weight	2.31 pounds
Connectivity Technology	Bluetooth, USB
Wireless Communication	Bluetooth
Special Features	Equalizer, Spotify (via connected device)
Compatible Devices	Smartphone, Speaker
Audio Output Mode	Stereo
Surround Sound Channel Configuration	4.0
Output Power	75 Watts
Color	Black

7. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the documentation included with your Soundstream VM-22B Digital Media Receiver or visit the official Soundstream website. Keep your proof of purchase for warranty claims.