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› [velex](#) /

› [Velex Marine Digital Media Receiver VX100 User Manual](#)

## velex VX100

# Velex Marine Digital Media Receiver User Manual

Model: VX100

## INTRODUCTION

The Velex Marine Digital Media Receiver (Model VX100) is designed to provide high-quality audio entertainment in marine and power sports environments. This unit features Bluetooth audio streaming, AM/FM radio, and USB input for MP3 playback. Its robust, waterproof design ensures reliable performance in challenging conditions, making it suitable for boats, golf carts, ATVs, UTVs, and spa hot tubs.

This manual provides essential information for the proper installation, operation, maintenance, and troubleshooting of your Velex Marine Digital Media Receiver.

## PRODUCT FEATURES

- Wireless Audio Streaming:** Seamlessly play music from your smartphone or tablet via Bluetooth pairing (A2DP support).
- Marine Environment Friendly:** IPx6 water splashing protection, UV-coated plastic, and a conformally coated circuit board ensure durability in harsh marine conditions.
- Compact Design:** Fits standard 3-inch tachometer gauge openings for easy integration into various dashboards.
- Power and Connectivity:** Delivers 40W x 4 channels peak power. Features rear USB 2.0 and Auxiliary inputs, along with RCA outputs for external amplifiers.
- AM/FM Tuner:** Auto and manual tuning for radio stations with preset saving capability.
- User-Friendly Controls:** Silicone gel buttons and a clear LED display for easy control of functions, including bass, treble, and balance adjustments.



Figure 1: Front view of the Velex Marine Digital Media Receiver, showing the display and control buttons.

## SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance and longevity of your Velex Marine Digital Media Receiver. It is strongly recommended to read the wiring guide carefully or seek professional installation.

### Mounting

The unit is designed to fit into a standard 3-inch (76mm) tachometer gauge opening. Ensure sufficient clearance behind the mounting surface for wiring and connections. Mounting hardware is included.



Figure 2: Dimensions of the Velex Marine Digital Media Receiver, indicating a width of 4.09 inches (104mm) and a depth of 3.43 inches (87mm).

## Wiring Connections

All necessary wiring harnesses are included with your receiver. Follow the diagram below for correct power, speaker, and auxiliary connections. Ensure all connections are secure and properly insulated to prevent short circuits and water ingress.

- **Power:** Connect the red wire to a switched 12V power source (ignition), and the yellow wire to a constant 12V power source. The black wire is for ground.
- **Speakers:** Connect your speakers to the designated speaker output wires (e.g., white/white-black for front left, grey/grey-black for front right, green/green-black for rear left, purple/purple-black for rear right).
- **USB/AUX:** Connect USB devices or auxiliary audio sources to the respective inputs.
- **RCA Output:** Use these outputs to connect to an external amplifier if desired.

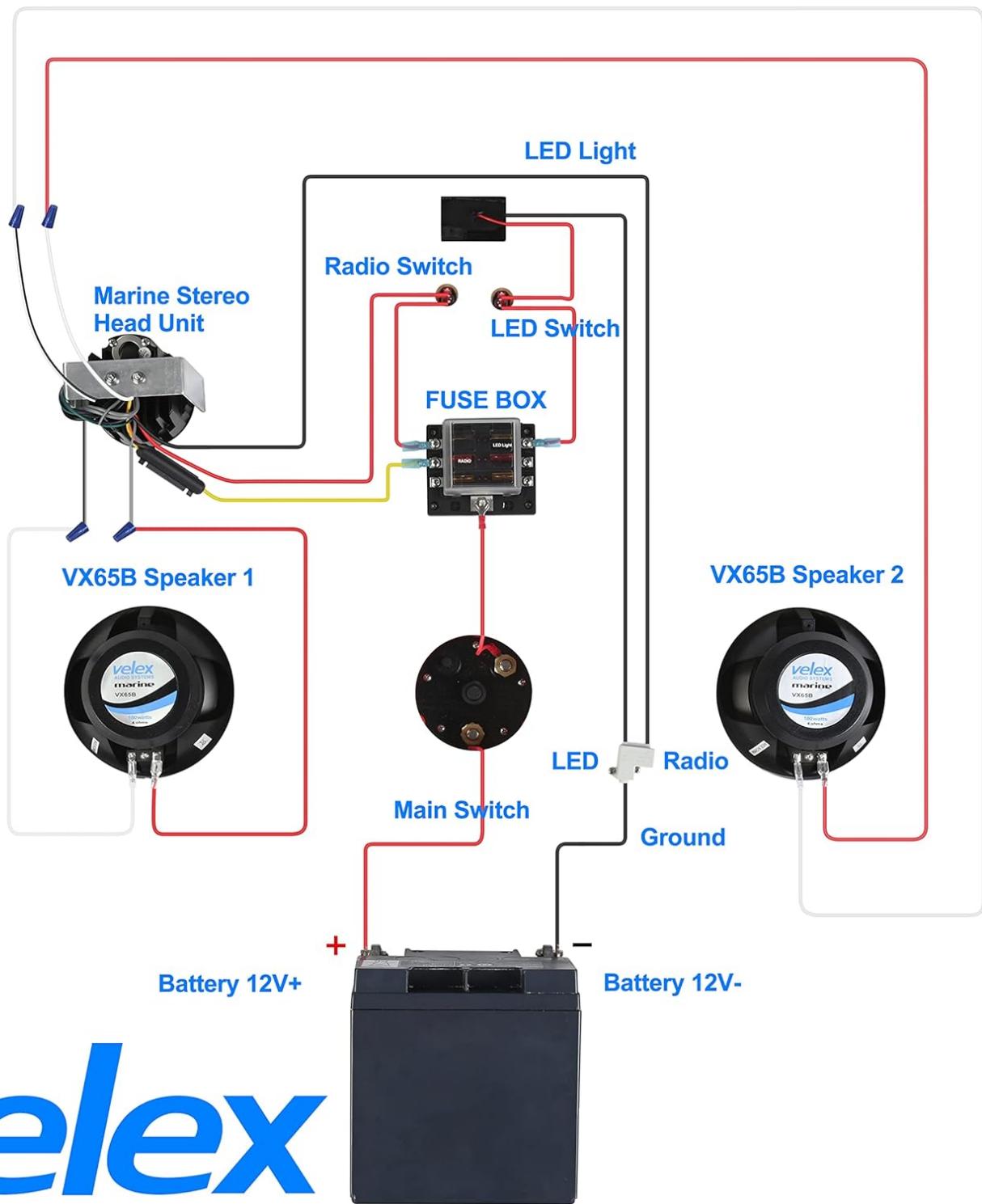


Figure 3: Wiring diagram illustrating connections for the Velex Marine Stereo Head Unit, including power, speakers (VX65B Speaker 1 and 2), and optional LED lighting, connected to a 12V battery system via a fuse box and switches.

## OPERATING INSTRUCTIONS

### Power On/Off

Press the **SRC** button to turn the unit on or off.

### Source Selection

Press the **SRC** button repeatedly to cycle through available audio sources: FM, AM, Bluetooth (BT), USB, and AUX.

### Volume Control

Use the **VOL +** and **VOL -** buttons to adjust the audio volume.

## Radio Operation (AM/FM)

- **Band Selection:** Press the **BAND** button to switch between FM1, FM2, FM3, AM1, and AM2 bands.
- **Tuning:** Use the **◀◀** (seek down) and **▶▶** (seek up) buttons to automatically search for the next strong station. Press and hold for manual tuning.
- **Presets:** To save a station, tune to the desired frequency, then press and hold one of the preset number buttons (if available, or use the **SEL** button to navigate preset options). To recall a preset, briefly press the corresponding preset button.

## Bluetooth Operation

- **Pairing:** Select the Bluetooth source. On your mobile device, search for "Velex" or "VX100" in the Bluetooth settings and pair. A confirmation tone will sound upon successful connection.
- **Audio Playback:** Once paired, audio from your device will stream through the receiver. Use the **◀◀** and **▶▶** buttons to skip tracks.

## USB Playback

Insert a USB drive containing MP3 or WMA audio files into the USB port. The unit will automatically switch to USB mode and begin playback. Use the **◀◀** and **▶▶** buttons to navigate tracks.

## Audio Settings

Press the **SEL** button repeatedly to access audio settings such as Bass, Treble, Balance, and Fader. Use the **VOL +** and **VOL -** buttons to adjust the values.

## MAINTENANCE

To ensure the longevity and optimal performance of your Velex Marine Digital Media Receiver, follow these maintenance guidelines:

- **Cleaning:** Wipe the unit with a soft, damp cloth. Do not use abrasive cleaners or solvents, as they may damage the surface or seals.
- **Connections:** Periodically check all wiring connections for corrosion or looseness, especially in marine environments. Ensure all caps and covers for unused ports are securely in place to maintain water resistance.
- **Storage:** If the unit will not be used for an extended period, especially in harsh conditions, consider disconnecting it from power and storing it in a dry, protected area.

## TROUBLESHOOTING

If you experience issues with your Velex Marine Digital Media Receiver, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Power	Blown fuse; Incorrect wiring; Loose power connection.	Check and replace fuse if necessary; Verify all power and ground connections are secure and correct according to the wiring diagram.
No Sound	Volume too low; Mute activated; Incorrect speaker wiring; Faulty speakers.	Increase volume; Check if mute is active; Verify speaker connections; Test with known good speakers.

Problem	Possible Cause	Solution
Bluetooth Not Connecting	Unit not in pairing mode; Device too far; Interference; Previously paired device connected.	Ensure unit is in Bluetooth source mode; Bring device closer; Turn off other Bluetooth devices; Disconnect from other devices and try pairing again.
USB Playback Error	Unsupported file format; Corrupted USB drive; USB drive not properly inserted.	Ensure files are MP3 or WMA format; Try a different USB drive; Reinsert USB drive firmly.
Radio Static/Poor Reception	Poor antenna connection; Weak signal area; Interference.	Check antenna connection; Try tuning to a stronger station; Move away from sources of electrical interference.

If the problem persists after attempting these solutions, please contact Velex customer support.

## SPECIFICATIONS

Feature	Detail
Brand	Velex
Model	VX100
Output Wattage	200 Watts (Peak 40W x 4 channels)
Speaker Channels	4 Channel
Tuner Technology	AM, FM
Connectivity	Bluetooth, USB 2.0, AUX, RCA Output
Compatible Media Type	MP3, WMA
Water Resistance	IPx6 (Water splashing protection)
Display Size	1.8 Inches
Power Requirement	12V DC

## WARRANTY AND SUPPORT

### Warranty Information

The Velex Marine Digital Media Receiver comes with a **1-Year Quality Promise**. This warranty covers defects in materials and workmanship under normal use. Additionally, a **30-Day Money-Back Guarantee** is offered, allowing you to try the product with confidence.

For warranty claims or service, please retain your proof of purchase.

### Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Velex customer support. Refer to the product packaging or the official Velex website for the most current contact information.

**Velex Official Website:** [www.velextech.com](http://www.velextech.com) (Example link, actual link may vary)

