velex VX280

Velex VX280 Powersport Marine Stereo Radio Instruction Manual

Model: VX280

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Velex VX280 Powersport Marine Stereo Radio. Please read this manual thoroughly before use to ensure proper function and longevity of the product. The Velex VX280 is designed for use in marine and powersport environments, offering robust features and connectivity.

Image 1.1: Front view of the Velex VX280 Powersport Marine Stereo Radio.

2. WHAT'S IN THE BOX

Carefully unpack the contents and ensure all items are present:

- Velex VX280 Marine Stereo Unit
- Mounting Hardware
- Wiring Harnesses
- Mounting Template
- U Bracket
- 3AG Fuse

Image 2.1: The Velex VX280 unit shown with its packaging and all included accessories.

3. KEY FEATURES

- **Wireless Audio Streaming:** Play music from your smartphone or tablet via Bluetooth pairing.
- **Marine Environment Friendly:** IPx6 water splashing protection, UV-coated plastic, and a conformally coated circuit board ensure durability in harsh conditions.
- **Power Output:** Peak 40W x 4 channels for clear audio.
- **Inputs:** Rear USB 2.0 and Auxiliary (AUX) input for versatile media playback.
- **Outputs:** RCA output for connecting an external amplifier.
- **Display:** Adjustable brightness for optimal visibility in various lighting conditions. Features an anti-fog design for clear readability.
- **Radio Tuner:** AM/FM tuner with auto/manual tuning and preset saving capabilities.

Image 3.1: The Velex VX280 features a crystal-clear, anti-fog display for enhanced readability.

4. Setup and Installation

4.1 Safety Precautions

- Always disconnect the vehicle's battery before beginning installation to prevent electrical shorts.
- Ensure proper ventilation around the unit.
- Consult a professional for installation if you are unsure about any steps.

4.2 Mounting

1. Select a suitable mounting location in your vehicle (UTV, ATV, boat, etc.).
2. Use the provided mounting template to mark the cutout area. The template measures approximately 3-1/2 inches (89mm) tall by 5-1/2 inches (140mm) wide, with slightly smaller dimensions at the corners (3-5/16 inches tall by 5-1/4 inches wide).
3. Carefully cut the opening in the dashboard or mounting surface.
4. Insert the stereo unit into the opening.
5. Secure the unit from the rear using the U-bracket and mounting hardware. Ensure it is firmly in place.

Image 4.1: Detailed dimensions and rear view of the Velex VX280 for mounting reference.

4.3 Wiring Connections

Refer to the wiring diagram below and the included wiring harnesses for correct connections. Professional installation is strongly recommended.

- **Power (Red/Yellow wires):** Connect to a switched 12V power source and a constant 12V power source.
- **Ground (Black wire):** Connect to a clean chassis ground point.
- **Speaker Wires:** Connect to your vehicle's speakers. Ensure correct polarity.
- **Radio Antenna:** Connect the radio antenna cable.
- **AUX In:** Connect external audio devices using a 3.5mm audio cable.
- **USB:** Connect USB storage devices for media playback. Note: This port is primarily for data and may not provide sufficient power for charging mobile devices.
- **RCA Output (Red/White):** Connect to an external amplifier if desired.

Image 4.2: Overview of button functions and rear wiring connections for the Velex VX280.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off and Source Selection

- Press the **SRC** button (Power/Source) to turn the unit on or off.
- Press the **SRC** button repeatedly to cycle through available audio sources: AM, FM, Bluetooth, USB, AUX.

5.2 Volume Control

- Press the **Volume Up (+)** button to increase the volume.
- Press the **Volume Down (-)** button to decrease the volume.

5.3 Radio Operation (AM/FM)

- In AM or FM mode, use the **Tune Up (► ►)** or **Tune Down (◄ ◄)** buttons to manually tune to a station.
- Press and hold **Tune Up (► ►)** or **Tune Down (◄ ◄)** for automatic station seeking.
- Press the **BAND/SCAN** button to switch between AM and FM bands or to initiate a scan for available stations.
- To save a preset station, tune to the desired station, then press and hold one of the numbered preset

buttons (**1-4**) until you hear a confirmation beep or see an indication on the display.

5.4 Bluetooth Streaming

1. Select Bluetooth as the source using the **SRC** button. The display will show "BT AUDIO".

2. Enable Bluetooth on your mobile device (smartphone, tablet).

3. Search for available devices and select "Velex VX280" (or similar) to pair.

4. Once paired, you can stream audio from your device. Use the **Play**/**Pause (► ►II)**, **Next Track (► ►)**, and **Previous Track (◄ ◄)** buttons on the stereo to control playback, or control directly from your device.

Image 5.1: The Velex VX280 installed in a UTV, demonstrating Bluetooth audio streaming from a smartphone.

5.5 USB and AUX Input

- **USB:** Insert a USB flash drive containing compatible audio files into the rear USB port. The unit will automatically switch to USB mode and begin playback.

- **AUX:** Connect an external audio device to the rear AUX input using a 3.5mm audio cable. Select AUX as the source using the **SRC** button.

5.6 Display Brightness and Clock

- Press the **MUTE**/**DIM** button to adjust the display brightness for day or night viewing.

- Press the **SEL/CLK** button to access clock settings or other display options.

6. MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the unit's surface. Avoid using abrasive cleaners or solvents, as they may damage the finish.
- **Water Exposure:** While the unit is IPx6 rated for water splashing protection, it is not designed for submersion. Avoid directing high-pressure water jets directly at the unit.
- **Connections:** Periodically check all wiring connections to ensure they are secure and free from corrosion.

7. TROUBLESHOOTING

- **No Power:** Check the 3AG fuse and all power connections (red, yellow, black wires). Ensure the vehicle battery is connected and charged.
- **No Sound:** Verify that the volume is not muted or set to zero. Check speaker wire connections and ensure the correct audio source is selected.
- **Bluetooth Connection Issues:** Ensure Bluetooth is enabled on your mobile device and the stereo is in Bluetooth mode. Try unpairing and re-pairing the device. If issues persist, try resetting the stereo unit.
- **USB Not Playing:** Ensure the USB drive is properly inserted and contains compatible audio files (e.g., MP3). The USB port is for data transfer, not for effective phone charging.
- **Radio Reception Poor:** Check the antenna connection. Ensure the antenna is properly extended and positioned for optimal reception.

8. SPECIFICATIONS

Feature	Specification
Model Number	VX280
Brand	Velex
Product Dimensions (L x W x H)	6.1 x 4.1 x 2.7 inches (155mm x 105mm x 68.5mm)
Item Weight	1.7 pounds
Color	Black
Connectivity Technology	Auxiliary, Bluetooth, RCA, USB
Tuner Technology	AM, FM
Radio Bands Supported	AM, FM
Power Output	4 x 40W Peak
Power Source	Battery Powered (12V DC)
Water Protection Rating	IPx6
Manufacturer	Velex Tech

9. Warranty and Support

The Velex VX280 Powersport Marine Stereo Radio comes with a **1-Year Quality Promise** from the date of purchase. This warranty covers manufacturing defects under normal use.

For warranty claims, technical support, or further assistance, please contact Velex customer service through the retailer where the product was purchased or visit the official Velex website.

It is strongly recommended to read the wiring guide carefully or seek professional installation to ensure the radio works properly and for long-lasting performance, as improper installation may void the warranty.