

AOMOSUR AM350-A

AOMOSUR Wireless RV Leveling System User Manual

Model: AM350-A

1. INTRODUCTION

The AOMOSUR Wireless RV Leveling System (Model AM350-A) is designed to provide precise and real-time leveling information for your RV or trailer. This system features a dedicated portable screen and a second-generation transmitter, allowing for wireless monitoring from your driver's seat without the need for a smartphone application. Its robust signal ensures reliable readings, making the leveling process quick and efficient.

2. PRODUCT COMPONENTS

The AOMOSUR Wireless RV Leveling System consists of two primary components:

- **Wireless Leveling Transmitter (TX):** This unit is mounted on your RV and sends leveling data wirelessly.
- **Dedicated Portable Display (Receiver):** This handheld unit receives data from the transmitter and displays the RV's roll and pitch angles.



Figure 2.1: The AOMOSUR Wireless RV Leveling System, showing the transmitter (left) and the portable display (right).

3. SETUP AND INSTALLATION

Follow these steps for quick and stable installation of your leveling system.

3.1. Prepare the RV

Park your RV or trailer on a relatively flat and level ground before beginning the installation and calibration process. This ensures accurate initial readings.

Your Best Choice For RV Leveling

AOMOSUR's Wireless RV Leveling System Designed for Travel Trailers and Campers
Must-Have Accessory for Travel Trailers.
Make Your RV Life Experience Better With AM350!

 Professional Equipment
  Strong Signal
  Easy Installation
  Real-Time Monitoring





Figure 3.1: Ensure your RV is parked on a flat surface for initial setup.

3.2. Install the Transmitter

The transmitter unit must be mounted on a vertical surface with the arrows pointing upwards. It features a magnetic mount for easy attachment.

1. Choose a suitable vertical surface on your RV or trailer for mounting the transmitter. Ensure the surface is clean and dry.
2. Attach the mounting bracket (if using) or directly place the transmitter onto a magnetic surface. The arrows on the transmitter must point upwards.

Smart Leveler

AM350



VS

Bubble Leveler



✓ Level at Your Driver Seat



✓ One Person Job



✓ Real Time Angle Display



✓ Quick Leveling in Minutes



✗ Run Back and Forth



✗ Usually Two Person Job



✗ Confirm Angles Multiple Times



✗ Take Around 30 Minutes

Figure 3.2: The transmitter unit showing the correct orientation for mounting.

3.3. Install the Display

The portable display can be placed in a convenient location within your vehicle, such as on the dashboard or a console.

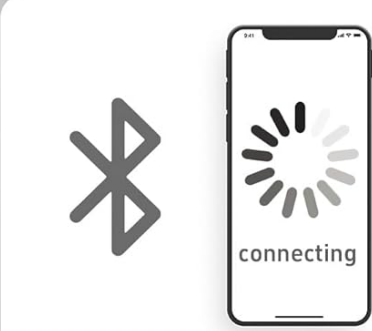
1. Place the display unit in a location where it is easily visible from the driver's seat.
2. Ensure the display is stable and will not move during vehicle operation.

Better Signal Than Bluetooth

The Transmitter communicates directly to the Display (Receiver)

Enjoy more stable and cellphone-free leveling.


Bluetooth Leveler



VS

- ✗ Poor Signal
- ✗ Connection Lost
- ✗ Significant Signal Delay
- ✗ Disturbed by Calls Easily

AOMOSUR Leveler



150 feet

- ✓ Signal Get Through Walls Easily
- ✓ 150 Feet Radius Coverage
- ✓ Expect 0 Signal Delay
- ✓ No Phone Required

Figure 3.3: The portable display unit positioned on a vehicle dashboard.

3.4. Power On and Calibration

After installation, power on both units and perform the calibration.

1. Press the power button on the transmitter to turn it on. The "AT WORK" indicator light should illuminate.
2. Press the power button on the portable display to turn it on. The display should automatically connect to the transmitter.
3. Once both units are powered on and connected, ensure your RV is as level as possible using traditional methods if necessary.
4. Refer to the display's on-screen instructions or the quick start guide for specific calibration steps to zero out the readings. This typically involves pressing a calibration button when the RV is perfectly level.



Figure 3.4: Overview of the 3-step installation process including parking the RV, installing the transmitter, installing the display, and calibration.

4. OPERATING INSTRUCTIONS

Once installed and calibrated, the AOMOSUR Wireless RV Leveling System provides real-time leveling data to assist you in setting up your RV.

4.1. Understanding the Display

The portable display shows two key measurements:

- **Roll:** Indicates the side-to-side tilt of your RV. A reading of 0.0° means the RV is level from left to right.
- **Pitch:** Indicates the front-to-back tilt of your RV. A reading of 0.0° means the RV is level from front to back.

The display provides visual indicators and numerical values to guide you in achieving a perfectly level position.

Strong Signal

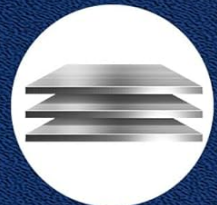
150 Feet Radius Coverage



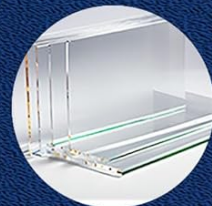
150 feet



Plywood



Metal



Plastic



Figure 4.1: The portable display showing current roll and pitch angles.

4.2. Leveling Your RV

With the system active, you can level your RV from the driver's seat:

1. Observe the Roll and Pitch readings on the display.
2. Adjust your RV's position or use leveling blocks/jacks as needed, monitoring the display for real-time feedback.
3. Continue adjustments until both Roll and Pitch readings are at or near 0.0°, indicating a level RV.







Figure 4.2: Leveling your RV becomes a one-person job with real-time angle display.

4.3. Wireless Range and Signal


The system offers a strong wireless signal with up to 150 feet of coverage, designed to transmit through various materials common in RV construction.


AOMOSUR


-  Save Time
-  One Person Operation
Can Level Your RV
-  Simple Setup




**Dedicated Display
Free Your Phone**



No APP Required 

No Phone Required 

Easy to Use 

RV LEVELING SYSTEM

Figure 4.3: The system provides 150 feet radius coverage and signal penetration through materials like plywood, metal, and plastic.

4.4. Battery Life and Charging

Both the transmitter and display units are equipped with rechargeable lithium batteries.

- **Transmitter:** Up to 100 hours runtime on a full charge.
- **Display:** Up to 8 hours runtime on a full charge.

Charge the units using the provided USB cable. A full charge typically takes about 1 hour for the transmitter.

Powerful Magnet and Easy to Install

3 Steps Installation in 3 Minutes. Quick and Stable

Level at Your Driver Seat

One-Person Job

Real-Time Angle Display

Quick Leveling in Minutes

First

First: Park the RV on a Flat Ground

01

Step 1: Install the Transmitter

02

Step 2: Install the Display

03

Step 3: Calibration

Figure 4.4: Both units can be charged via USB, ensuring long battery life.

5. MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your AOMOSUR Wireless RV Leveling System.

- **Cleaning:** Wipe both the transmitter and display units with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- **Battery Care:** For optimal battery life, avoid fully discharging the units frequently. Recharge them when the battery indicator is low. If storing for extended periods, charge the batteries to about 50% and store in a cool, dry place.
- **Storage:** When not in use, store the system in a protective case or a safe location to prevent physical damage.

6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Display shows "No Signal" or "Disconnected"	Transmitter is off or out of range; interference.	Ensure transmitter is powered on. Move display closer to transmitter. Check for strong sources of interference.
Inaccurate leveling readings	System not properly calibrated; transmitter not mounted vertically.	Re-calibrate the system on a known level surface. Verify the transmitter is mounted with arrows pointing up.
Display or transmitter not turning on	Low battery; power button not pressed correctly.	Charge the unit fully. Press and hold the power button for a few seconds.
Short battery life	Frequent use; aging battery.	Ensure full charge before use. Consider battery replacement if significantly degraded (contact support).

7. SPECIFICATIONS

Feature	Detail
Model Number	AM350-A
Brand	AOMOSUR
Item Weight	1.06 pounds
Package Dimensions	7.44 x 5.63 x 2.32 inches
Batteries	1 Lithium Ion batteries required (included)
Wireless Range	Up to 150 feet
Transmitter Runtime	Up to 100 hours
Display Runtime	Up to 8 hours



Figure 7.1: Physical dimensions of the AOMOSUR Wireless RV Leveling System components.

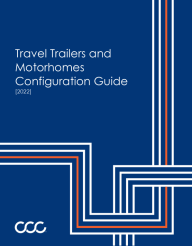
8. WARRANTY AND SUPPORT

Specific warranty details and customer support contact information are typically provided with the product packaging or on the manufacturer's official website. Please refer to these resources for the most accurate and up-to-date information regarding your product's warranty coverage and how to obtain technical support.

For general inquiries or to find more information, you may visit the AOMOSUR store on Amazon: [AOMOSUR Store](#).

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Related Documents - AM350-A

	<p>RV Configuration Guide: Travel Trailers & Motorhomes</p> <p>A comprehensive guide to understanding and configuring travel trailers and motorhomes, detailing types, classifications, and common equipment options for valuation purposes by CCC.</p>
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	<p>i-PRO Wi-Fi USB Adapter User Guide</p> <p>This guide provides information on using the i-PRO Wi-Fi USB Adapter with compatible i-PRO cameras, including setup, connection, and troubleshooting.</p>
	<p>Rockwood Tent Camper Owner's Manual: Setup and Takedown Guide</p> <p>A comprehensive guide detailing the setup and takedown procedures for Rockwood tent campers, including specific instructions for various models such as Freedom, Premier, High Wall, and LTD series. Covers exterior and interior setup, awning installation, and essential maintenance tips.</p>
	<p>New Hampshire Camping Guide 2025: Campgrounds, RV Parks & Vacation Rentals</p> <p>Explore New Hampshire's best campgrounds and RV parks with the 2025 Camping Guide. Discover rental units, RV types, and essential etiquette for your outdoor adventures. Find quality accommodations and plan your trip.</p>
	<p>Pytes E-Box 48100R Battery Versions and Firmware Compatibility Guide</p> <p>This document outlines the compatibility between different versions of the Pytes E-Box 48100R battery and their firmware. It details physical differences between versions A, B, and C, and provides a compatibility matrix for firmware updates and system configurations, including limitations on the number of batteries per group with and without the Pytes Hub.</p>
	<p>APLISENS AS-dP Differential Pressure Transmitter User's Manual</p> <p>User's manual for the APLISENS AS-dP Differential Pressure Transmitter, covering installation, operation, maintenance, safety, and technical specifications.</p>