MAKE AUTO SAFE



User Manual

RV Leveling System

Model: AM50-PRO

Made in China

Functional descriptions in this manual are subject to change without notice.

Catalog

About AM50-PRO ---- 1
Accessories ---- 2
Installation of the Transmitter ---- 3
Installation of the Display ---- 4
Calibration ---- 5
Transmitter Orientation Setting ---- 6
Interface of the Display ---- 7
Button Application ---- 8
Transmitter and Display Signal Connection ---- 9
Vehicle Roll Angle Display Area ---- 10
Vehicle Pitch Angle Display Area ---- 11
Structure of the Transmitter ---- 12
Parameters ---- 13
FAQ ---- 14
After-sales service ---- 15
Fcc Warning ---- 16
IC Caution: ---- 17

AM50 PRO Leveling System

The AM50-pro is the world's first APP-free RV Leveler with dedicated display for level status indicating. Ideal for RVs, Campers, Motorhomes, Travel Trailers, Fifth Wheels and etc. It's a universal leveler on various scenarios.

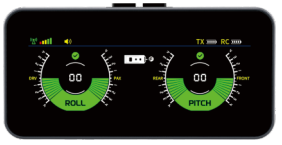
Innovative Split Design: A transmitter communicates the RV's status, paired with a dedicated real-time display for effortless leveling. No need for an extra device monitor your RV's stability directly!

Hassle-Free Setup: Installs in minutes with a one-click start. No apps or parameter settings required. Keep your phone free for calls or Bluetooth tunes while you park and level!

6-Axis Precision: Engineered with drone-grade 6-axis gyroscope technology, offering unmatched accuracy in angle calculations and motion detection for efficient leveling.

Robust Signal Transmission: Utilizes industrial-grade transmitter for superior connectivity over Bluetooth. Expect zero delays and a coverage radius exceeding 150 feet.

Accessories



Display



Transmitter



User Manual



Type C power cable (1.5m)



Bracket



Double-Sided Tape



Screw

If any accessory missing after opening the box, please kindly contact us for help instead of retruning it.

Step 1: Installation of the Transmitter



Make sure the arrow is pointing upward and install it on the wall perpendicular to the floor.
(Use double-sided tape or the screws to fix)
(Refer to page 6 for the Transmitter orientation setting)

Step 2: Installation of the Display

Installation Method 1:





Use the suction cup mount to attach the display to the car dash

Installation Method 2:



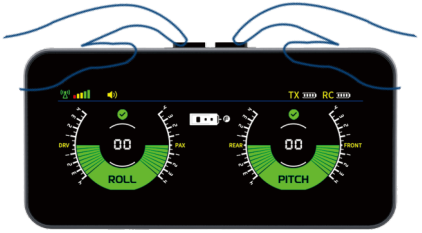


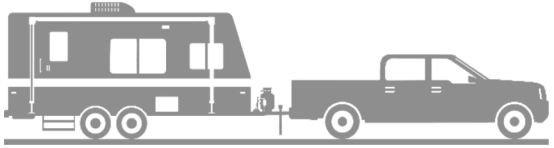
Use the suction cup mount to attach the display to the windshield.

Installation Method 3:

Place it in any location that does not interfere with driving, such as the armrest compartment.

Step 3: Level Calibration

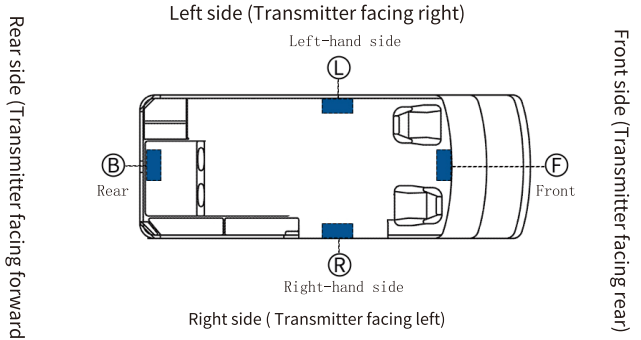




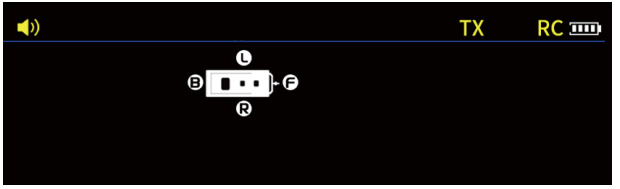
Turn the display and transmitter on and wait for the signal connected,press and hold the left and right buttons for 3 seconds at the same time,and the calibration is done when hear a beep.
(This step requires the RV to be parked on level ground ⚠)

Transmitter Orientation Setting

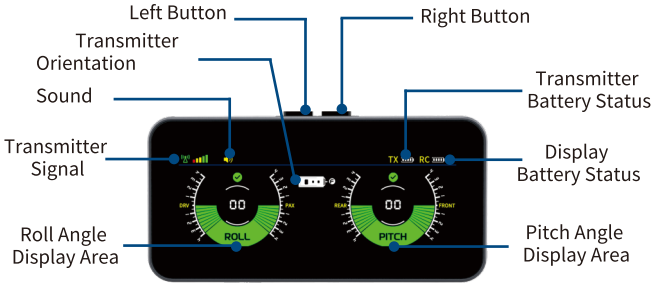
Selecting a suitable location to install the transmitter



Press and hold the left button for 3 seconds to enter the setting mode,
short press the left button to select the installation location,
Press and hold the left button for 3 seconds to save and exit



Interface of the Display



① Inclination display range: ±4°

② Minimum interval accurate to 0.1°

③ Level complete while tilt angle less than 0.5°

Button Application



1. Short press the right button to turn on/off

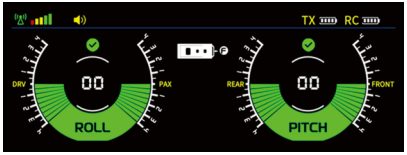
2. Press and hold the right button for 3 seconds to turn on and off the sound



Sound on



Sound off

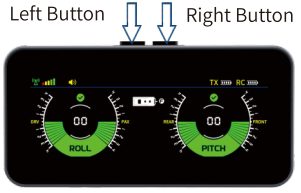


3. Short press the left button to swith day/night mode while the display is power-on.

Transmitter and Display Signal Connection

1. Short press the yellow button in the mid to turn on the transmitter, the power indicator shows red for power on; short press the right button to turn on the display.



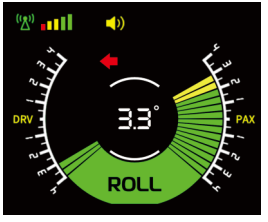


2. Wait a few seconds for auto connection after powering on.

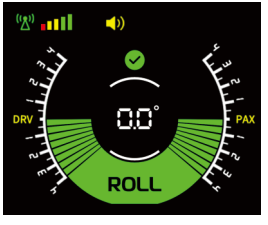


3. When the display is connected to the power supply, the display will automatically shut down after 5 minutes when the vehicle is turned off, and the transmitter will automatically shut down 5 minutes after the display is turned off (no need to manually shut down).

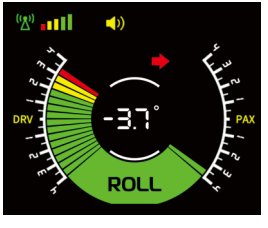
Vehicle Roll Angle Display Area



Red arrow pointing left(DRV):
Tilt to the left



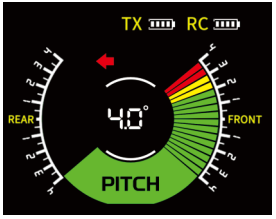
The green checkmark:
RV leveled



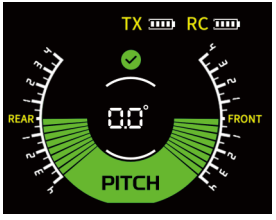
Red arrow pointing right(PAX):
Tilt to the right

Vehicle Pitch Angle Display Area

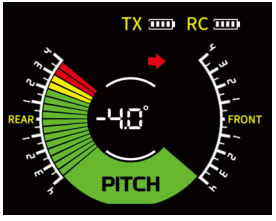
Red arrow pointing REAR:
Tilt backward



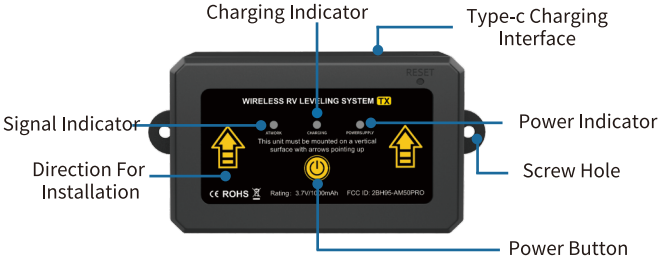
The green checkmark:
RV leveled



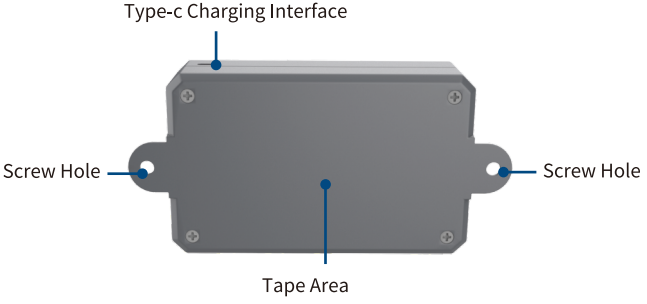
Red arrow pointing FRONT:
Tilt forward



Structure of the Transmitter







1. Display Parameters

Power Supply:	Lithium Battery 3.7V/TYPE-C:5V;
Operating Current:	120mA ;
Power:	1.2W ;
Operating Temperature:	-20°C ~ 80°C;
Tilt angle:	±4°
Roll angle:	±4°
Display Weight:	138g ;
Display Size:	127*60*25mm ;

2. Transmitter Parameters

Power Supply:	Lithium Battery 3.7V/TPYE-C:5V;
Operating Current:	13mA ;
Power (output):	0.8W ;
Operating Temperature:	-20°C ~ 80°C;
Transmitter Weight:	106g ;
Transmitter Size:	108 (136) *31*66mm ;

FAQ

Q : Which way should I choose to install the transmitter?

A : We recommend using screws to intall, or the double-sided tape instead.

Q : What can I do if the transmitter won't power on?

A : You can use the Type C cable to connect to the power supply to see whether the charging status is normal or not.(CHARGING indicator light is not on for not charging, red for charging, green for charing complete)

Q: How to check the transmitter power level?

A: Turn on the power of the transmitter and the display, the power level of the transmitter (TX) will be displayed in the upper right corner of the display .

Q: What should I do if the display shows that the signal disconnected ?

A： First of all, make sure the transmitter is turned on (Power Supply indicator red means it is turned on).If the transmitter is turned on, please turn off the transmitter and display power and then turn on the power again, wait for a few seconds.

Q: How to charge the transmitter?

A: Use the Type C cable to charge the transmitter by connecting it to a power bank or cell phone charger etc.

After-sales service

Aftermarket Warranty

- The main unit is covered by a 1-year warranty from the date of purchase, while included accessories are warranted for 1 year from the date of receipt.

Warranty and Replacement Policy

- We will repair or replace equipment based on specific failures.
- All replacement parts, accessories, or equipment will be original and new.
- If a failure occurs within 90 days of purchase and you provide video and pictures, we will cover the shipping cost and provide free replacement accessories. For products purchased beyond 90 days, customers will be responsible for shipping costs, but we will still provide replacement accessories free of charge.

The following are not covered by the free warranty

- Products purchased through informal channels are not covered by this warranty.
- Damage resulting from improper use or maintenance contrary to the product manual is not covered.

We take pride in our exceptional design and customer service, and we're happy to offer additional support as needed.

Please Note

- Please be aware that we reserve the right to change product designs and specifications without prior notice. The actual product's appearance and color may differ from those shown in the manual. While we strive for accuracy in our descriptions, inaccuracies may occur. For any questions, please contact your dealer or our after-sales service center. The company holds the final interpretation of the product and is not liable for misunderstandings.

FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception,

which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body: Use only the supplied antenna.

IC Caution:

English:

This device complies with Innovation, Science and Economic Development Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

(1) This device may not cause interference, and

(2) This device must accept any interference, including interference that may cause undesired operation of the

device.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable

exposure condition without restriction.

French:

Cet appareil est conforme aux normes RSS exemptées de licence d'innovation, sciences et développement économique Canada. L'exploitation est autorisée aux deux

conditions suivantes:

(1) l'appareil ne doit pas produire de brouillage, et

(2) l' utilisateur de l'appareildoit accepter tout brouillageradioélectriquesubi, mêmesi le brouillageest

susceptible d'encompromettre le fonctionnement.

Le matériel a été évalué pour répondre aux exigences générales d'exposition aux radiofréquences. Le dispositif peut être utilisé dans des conditions d 'exposition portables illimitées.