



VASTEND M1 Pro Wireless Reversing Camera with Radar Function User Manual

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VASTEND M1 Pro Wireless Reversing Camera with Radar Function



Please read this manual thoroughly before operating the device.
Keep it for future reference.

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What's in the Box?



1. Monitor bracket
2. 7" monitor
3. 610 HD camera
4. Connecting line
5. 1.5M Power line
6. Car charger
7. 3M Power Cable
8. Installation tools
9. Bracket 2
10. Red wire clamp
11. Connecting line
12. Screw


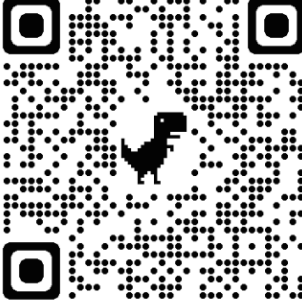
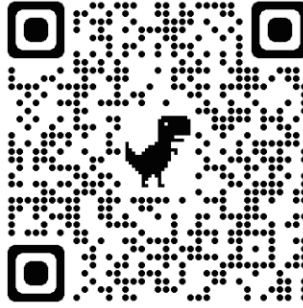

NOTE: The contents included may be different based on the kit you purchased.
Please take the actual product as standard.

Vehicle Application

This system is mainly used for RVs, Travel Trailers;, Fifth wheels, Trucks, Bus, Monitor-home, etc. Monitor mount on the dash and the camera mount on the top of the tail make the antenna over the roof which can make the signals powerful transmission.

Operation Video

Please watch the below video on YouTube to help you install the system. (Or please contact us to get the video link directly) You can scan the code with app or directly with camera

			
English installation video	German installation video	Paired video	Introduction video

Below are the installation videos of similar products (only for reference)

<https://www.youtube.com/watch?v=529KXXzXrqQ>

<https://www.youtube.com/watch?v=CBCII-J9wM8>

<https://youtu.be/ee4MoCwGyzM>

https://youtu.be/TBVcxXpY_7M

Working Voltage

Please notice below data of power supply input to the monitor and camera

Monitor: voltage range 10V-35V > = B00MA

Camera: voltage range 10V-24V > = B00MA

Tip: If the voltage is lower than 10V, the Infrared lights of the camera may not be on or only one is on at night, so make sure the voltage is enough. We recommend the voltage is 12v.

If the voltage is over 24V to the camera, it will cause damage.

Test System

After receiving the product, you need to test the product before installing it. Please refer to the following test steps to complete the test:

- Connect the camera and display screen through cable 04, and then connect the other connector of cable 04 to the cigarette lighter
- Plug cigarette lighter adapter and turn on the red switch. The monitor will have an image from the camera, the test completed.



Note: After testing, make sure the image appears on screen, then go ahead to install this system on your vehicles. If there is no image after you install this system in your vehicle, please check all connections and voltages.

Whether the positive and negative poles of the license plate lamp, reversing light or running light are connected in reverse (for example, if you have a black wire and green wire on your backup light, the black wires should be positive wire, the green wire should negative)

If you cannot verify which wire of your power supply is positive, you can connect the black wire to the ground (metal part on vehicle). So you can test the positive wire.

Connection

(I) The monitor can be powered by a cigarette lighter outlet/ Ignition switch.

The camera can be powered by Taillight or a 12V DC power system. Connects the red wire to the positive and the white wire to ground.

Step 1 -Step 3

Step 1: Choose the camera location

Step 2: Drill a 12mm Diameter cable hole and secure the camera with two screws (Package contents include screws)

Step 3: Locate the Taillight or 12V DC power system wiring on your vehicle. Connect the red wire to the positive and the white wire to the ground or negative.



(II) The monitor also can be powered by ACC /Fuse/ Radio etc.

The red wire is connected to the positive pole, black wire to ground pole



Memory SD card installation

Open the SD card slot on the monitor back with a screwdriver.insert SD card

It is recommended to use high-speed TF card of class 10 or above.

(Less than 128G)

Plug in the card to start recording("ENTER" to turn on/off recording)

• REC









Installation method of Monitor

We provide two kinds of brackets to install the monitor, one is a windshield mount, the other is LI-shaped bracket, to meet your needs.



Monitor (Touch Button)



Button	Function	Button	Function
	Use this button to turn the monitor On and Off		Enter the menu and move to the right
CH	Switch channel		1. Enter 2. Keep SD Card, Start/ Stop Recording
	Enter the menu and move to the left		1. Car scale shortcut 2. Radar on/off
	MENU		

Product functions introduction

Touch ch the MENU button to enter the menu mode, there are 8 functions here: Pairing /Picture/ MIR-FLIP/ Mode/ Cam-setup/System / Play/ Record

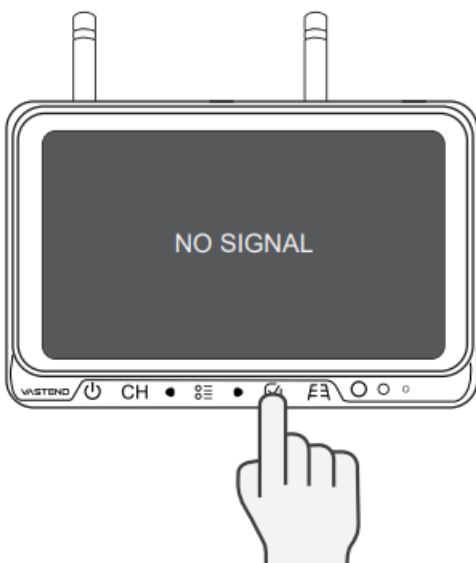
PAIRING

The system does NOT need to pair signals when you have received, because it has already been paired successfully. You just need to pair it with the monitor when connecting new cameras or replace the original camera

Here is pairing video link : <https://youtu.be/ee4mocwgzym>

The pairing steps are as follows:

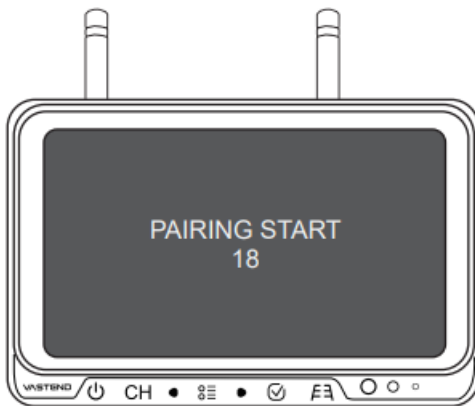
1. Select the channel to be pairing



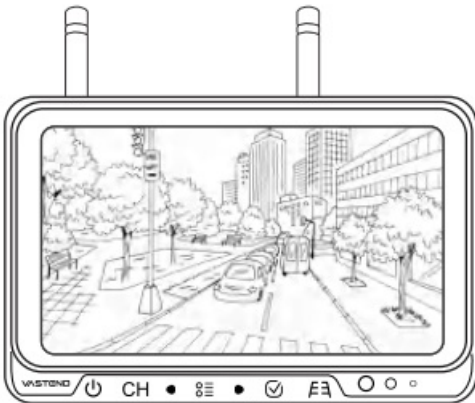
2. Enter the menu and select pairing



3. Short press enter to start pairing



4. Waiting for matching and drawing successfully



NOTE: when you need pairing, please confirm the circuit is properly connected and powered. If you need to pairing multiple cameras, please switch to the corresponding channel.

PICTURE SETTING

Step 1: Touch the Menu button to enter menu mode. In the menu, the Use ► button keys to switch the pictures(touch ◀ button to select from right to left, Touch ► button to select from left to right). The second icon is the Picture setting.



Step 2: Touch the OK Button to confirm and enter this mode. In this mode, you can adjust Brightness/ Contrast/ HUE. Touch the menu button to return to the previous menu.



MIR-FLIP

Rotation Options (Vertical/Rear View/Front View)



Tips: The Screen Rotation Settings can be switched only when the screen is displayed separately full screen, which cannot be split screen.

Split Screen Mode

Touch the menu button to enter the menu mode. Use ► button to switch to this mode. Touch the OK Button confirm and enter this mode.



(In this mode, You can choose eight different split screen modes. The last is off icon means to turn off split mode and enter single screen mode)

For example, select the split screen of camera 1 and 2, and then exit the menu button. The screen displays the split screen images of camera 1 and 2.



Camera ON / OFF

This function can be used to turn off or on the selected camera in the system.



(Please confirm that all cameras are on before set)

For example: Close CAM1. First select the CAM1 icon (the CAM1 icon turns yellow). Touch the OK button to enter this CAM1 (the icon color is red now). Then use the ► button to switch to OFF, CAM1 is turned off and the screen will not display the image of CAM1.

(At this time, even if the camera 1 was be connected and powered on, the screen will not display the image of CAM1).



The operation of CAM2/CAM3/CAM4 is the same as that of CAM1.

AUTO SCAN: This is the Circular video recording function. If this function is turned on, CAM1234 will continue to record video continuously. The image of the display is CAM1, CAM2, CAM3, CAM4, and the cycle jumps all the time. After this function is turned on, the monitor cannot adjust the split screen function

SYSTEM

In this mode, you can adjust Time/Language/ Auto-Dim/Delay time/P-Line/Default.



Play

The monitor needs to insert an SD card to use this function. If the SD card is inserted, the recorded videos will be stored here, You can watch the record videos here When you insert the SD card, there is an SD card icon in the upper left corner of the display, with a red dot on it.



RECORD

In this mode, you can turn on/off the Rewrite and Format the SD card.
After the rewrite function is turned on, if the memory card is full, the video recorded before will be deleted automatically, and then the video, will be recorded again automatically.
When you insert the SD card for the first time, you need to format the SD card through format and then use it.



screen protector

The small blue label on the corner of the monitor is the protective film. You can choose to tear it off or not. For the service life of the monitor, we recommend not to tear it off.



Add up to four Cameras

This camera has four wireless channels, and four cameras can be added to this display as front view, rear view side, left side view side and right side view mode, providing a safe driving environment.

If you want to buy more extra camera, please contact us, we would like to offer you a discount.

The monitor supports adding 1 to 4 cameras



Single Screen

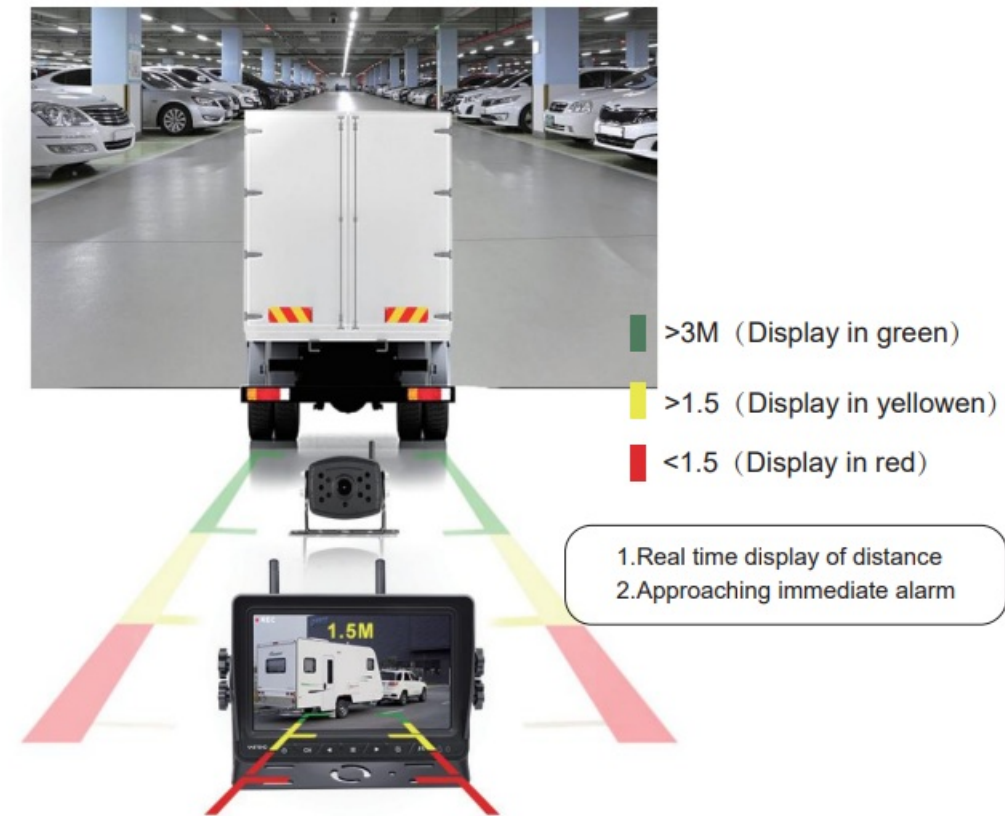


Split Screen

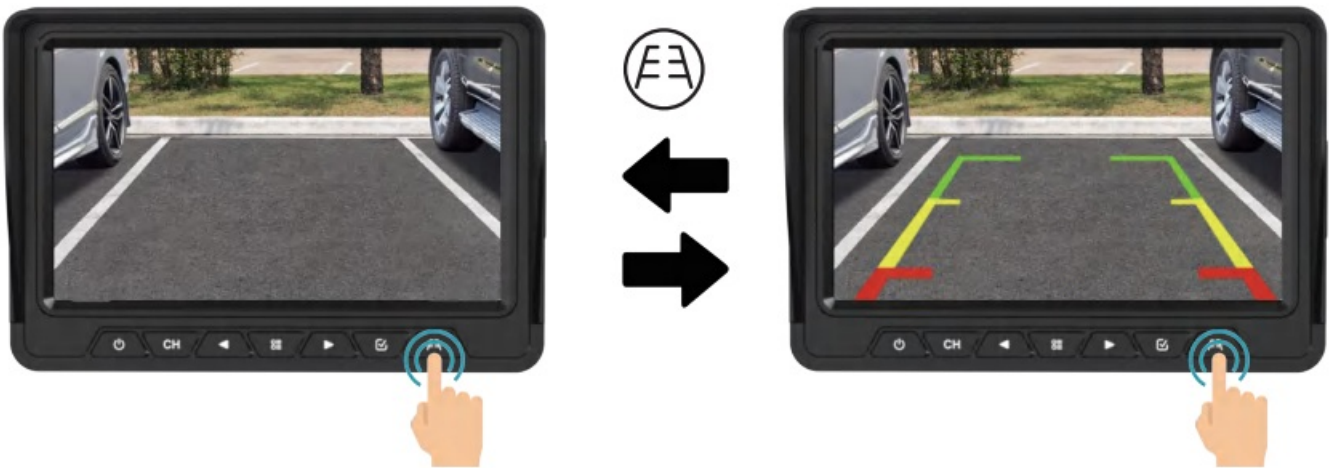


Quad Screen

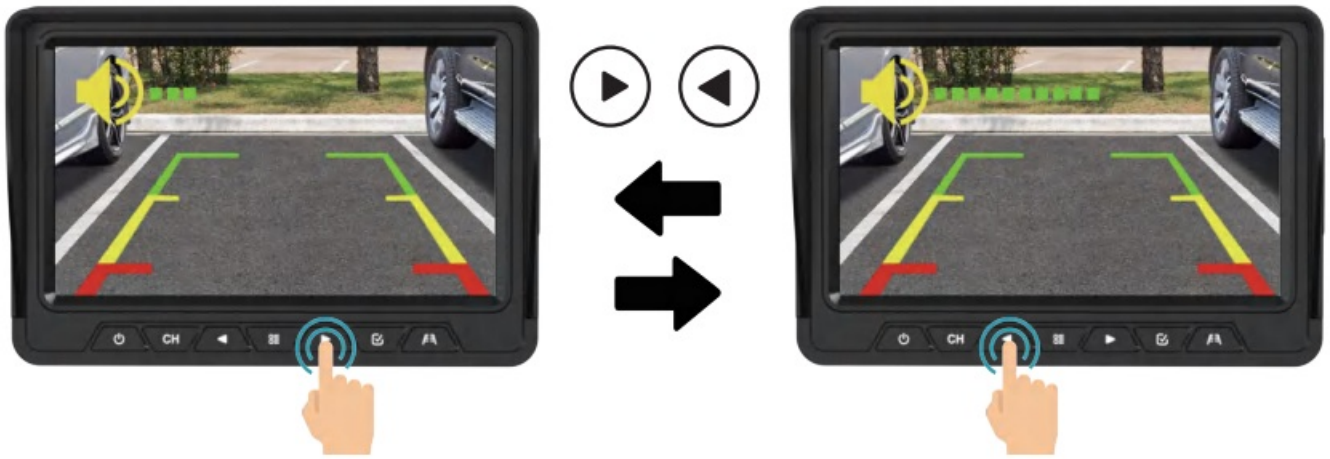
Reverse radar function



Radar function switch



Radar sound adjustment



Waterproof Camera

The camera is made of IP69 waterproof material.



Warranty

Two years quality warranty and lifetime tech support. Please contact us if you meet any issues.



Troubleshoot

1. If there is no image after installed the system, please check whether the monitor is powered on first. If the monitor button lights up, it means that has power. Then please reference below video that check the camera's Infrared lights if turn on. If not lit on, It may be the camera was burn out or not power.

<https://youtu.be/TBVcxXpY7M>

2. Please check the Positive and Negative poles of the power supply before installation. If the Positive and Negative poles are connected in opposite directions, the camera will be damaged.
3. Sometimes due to the length of the vehicle is too long or the material of the vehicle is thick, plus the driving speed is too fast, the signal becomes weak or the image is delayed.

No matter what signals or installation problems you meet, please contact us to get a professional solutions.

Thank you!

Specifications

Power Supply	DC9to40V
Wireless Frequency	2.4 GHz
Wireless Range	500m(open area)
Delaying Time	<200ms
Operating temperature	-20 °c – 80 °c

CAMERA

Image Sensor	1/3 inch
Waterproof Rating	JP69
View Angle	150"
Camera Pixel	1000TVL

MONITOR


LCD Size	7 inch JPS
Resolution	1920(H) x 1080M
Contrast	500:1
Brightness	600cd/ <i>mf</i>
Response Time	25ms

Troubleshooting

Problem	Solution
Monitor Won't turn on	Check the cigarette lighter has 9-40V DC Output
	Check the fuse in the Cigarette socket adapter
Camera and Monitor won't pair	Check if the camera is receiving power
	Make sure to follow the instructions to operate the Pairing
Weak Signal	Check if the camera and monitor antennas are installed
	Distance between camera and monitor is too great. Reduce distance between camera and monitor
	Large dense objects could be obscuring the signal. If possible, move the objects
	Interference from overhead power lines may be affecting the signal
Night Vision is poor	Try unpairing and pairing
	The night sensor on the camera may be dirty or obstructed
	Ensure the camera is installed at least 2 inches away from rear lights
Dark Picture	Check whether brightness and contrast are adjusted correctly

VASTEND

Documents / Resources

	<p>VASTEND M1 Pro Wireless Reversing Camera with Radar Function [pdf] User Manual M1 Pro Wireless Reversing Camera with Radar Function, M1 Pro, Wireless Reversing Camera with Radar Function, Reversing Camera with Radar Function, Radar Function</p>
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References

- [User Manual](#)

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