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POLARIS

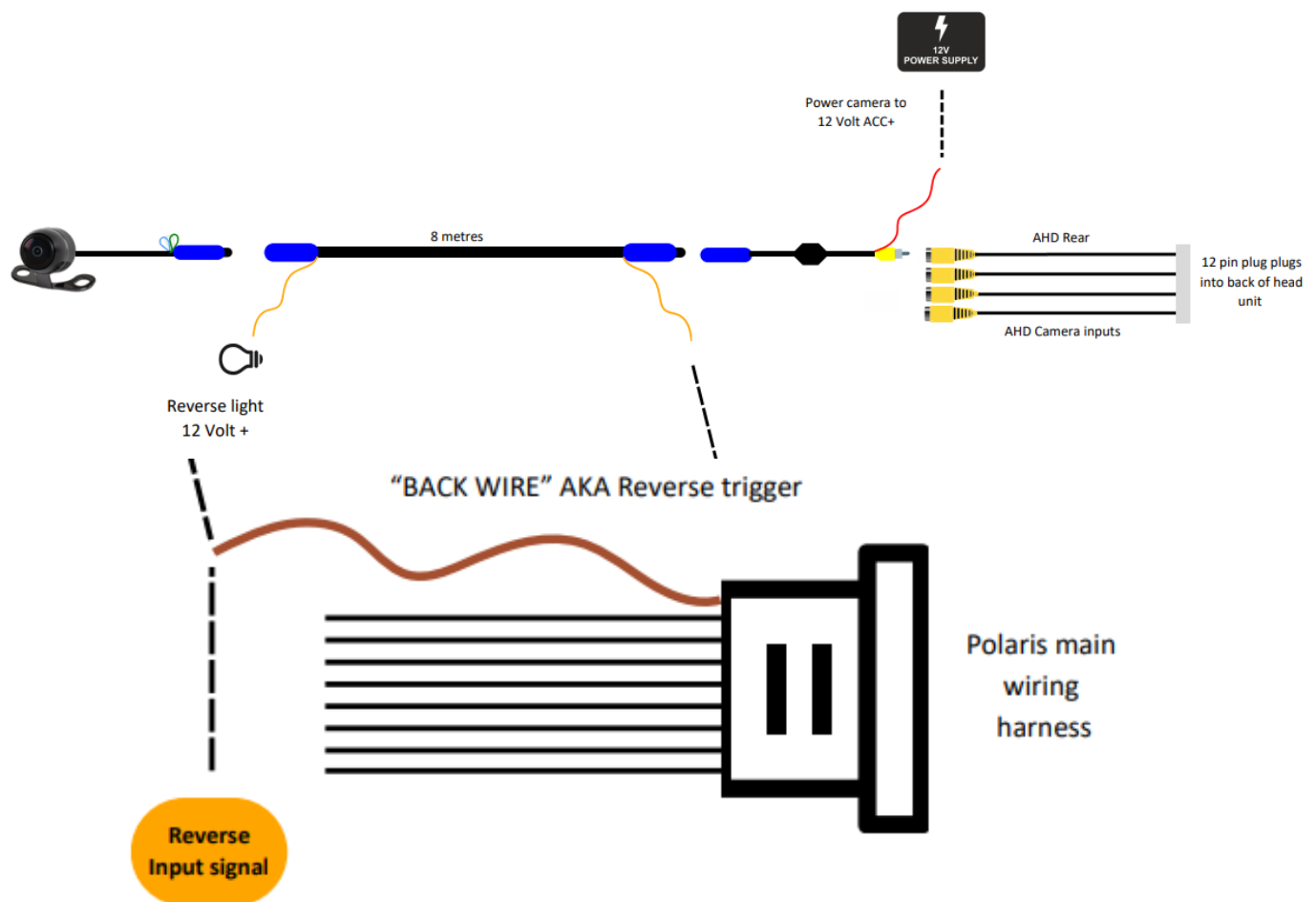
Polaris AHD Mini Camera



Specifications

- Product Name: Polaris AHD Mini Camera
- Power Requirement: 12 Volt
- Wire Length: 8 meters
- Compatibility: AHD Rear AHD Camera inputs
- Connectivity: 12-pin plug for head unit, 8-pin plug for CANbus module

The BACK wire signals the head unit when the car is in reverse and must be connected to a reverse input signal. You CANbus get this from the front of the vehicle. If unavailable, connect it to the orange wire on the 8m extension cable, then wire the other end to your reverse light (+). The orange wire acts as a built-in extension, saving you from running an extra wire from front to back if you need to pick up a reverse trigger from your reverse lights.



Plug in the Camera – Connect the camera into the AHD REAR camera input

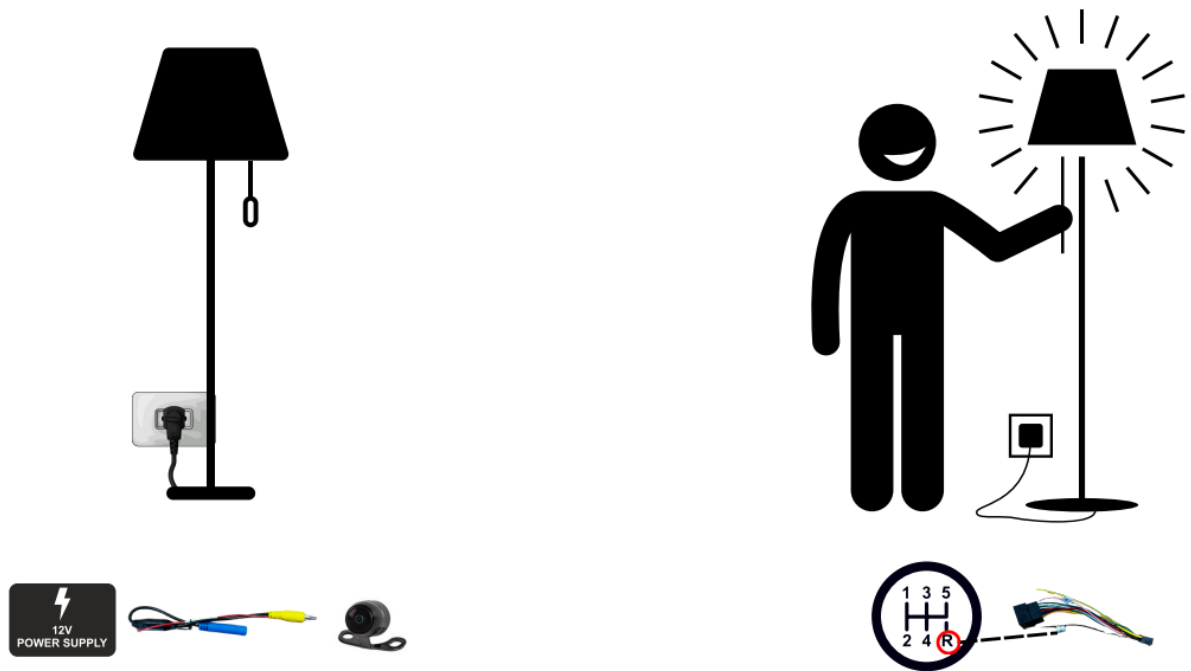
1. Power the Camera – Connect the RED wire from the camera's RCA plug to an

accessory power source (12V ACC+).

2. Connect the Reverse Trigger – Locate the “BACK/REVERSE” wire on the main power harness and connect it to a reverse signal from your vehicle. This tells the head unit when you shift into reverse.
3. Skip Step 3 if You Have a CANbus Module – If your head unit has a CANbus module, it will handle the reverse signal automatically.
4. Alternative Reverse Signal for Older Vehicles – If your vehicle doesn’t have a reverse signal at the front, use the orange wire on the camera extension cable to connect to your reverse lights at the rear.
5. Check Settings – After installing and powering on the unit, confirm that the camera input and format are set correctly: Settings > Reverse Mode > Reverse Video Input: AHD Front Rear Record. Format : 1080 FHD 30 Hz
6. Test the Camera – Shift into reverse and make sure the camera displays properly on the screen.
7. If you have multiple cameras, please see pages 19 to 20 to ensure the correct settings are adjusted.

Mini Camera Control Wires

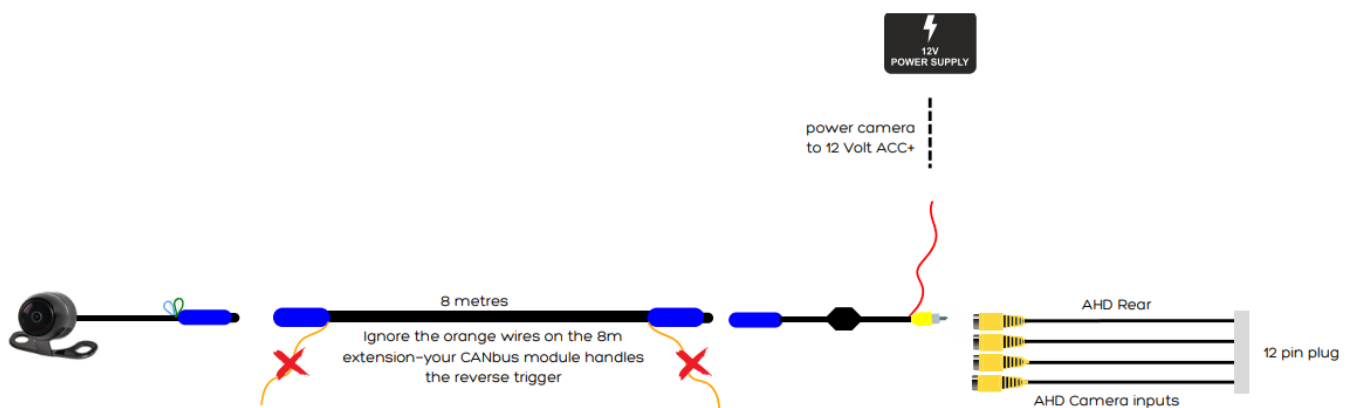
- BLUE: AHD/CVBS: Cut this wire to convert the camera to a CVBS signal (note: Camera image quality will decrease slightly)
- GREEN: Image Control: Cut this wire to mount the camera on the front of the vehicle and change the reversed image to a front-facing image.
- WHITE: Guidelines: Cut this wire to remove the guidelines from the camera display. Still confused about camera power and reverse trigger?
- Lamp Analogy:
 - Imagine you have a lamp (THE CAMERA) plugged into the wall and turned on.
 - The lamp has POWER, but without someone flipping the light switch (REVERSE TRIGGER), the lamp (the head unit display) won’t know to turn on.
 - The reverse trigger is like the light switch—it tells the head unit when it’s time to switch to the camera feed, even if the camera itself already has power.
 - If you have powered the camera to 12-volt+ Accessories, you can also manually “switch” it on via the Cam app on the head unit.



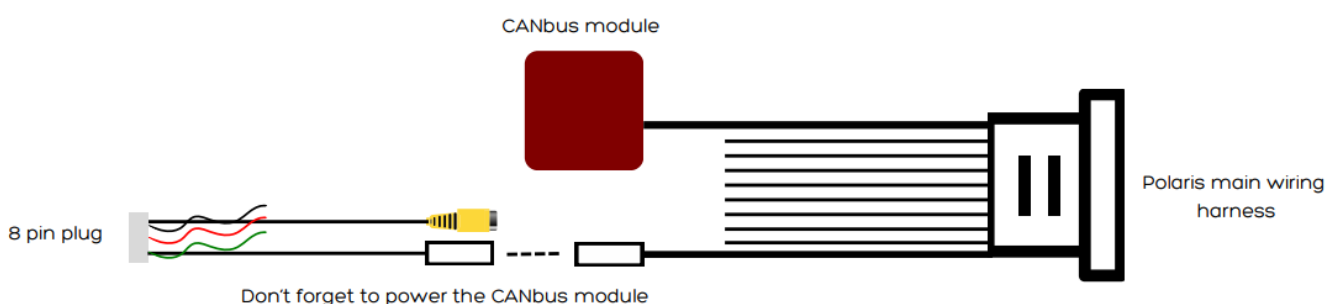
POWERING the camera to 12 VOLT ACC+ is like plugging a lamp into a wall

Wiring up the BACK wire from the Polaris main harness to a REVERSE FEED in the car is like switching the lamp on.

Polaris AHD Mini Camera with CANbus module



The CANbus module will pick up your reverse trigger as long as you have powered it.



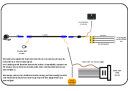
1. Plug in the Camera – Connect the camera into the AHD REAR camera input.
2. Power the Camera – Connect the RED wire from the camera's RCA plug to an accessory power source (12V ACC+).
3. Reverse Trigger Handling – If your head unit includes a CANbus module, it will automatically manage the reverse signal.
4. Power the CANbus Module – Make sure you have powered the CANbus module by plugging together 2 white plugs (one is located on the Polaris main harness, and the other is located on one of the fly leads).
5. Check Settings – After installing and powering on the unit, confirm that the camera input and format are set correctly: Settings > Reverse Mode > Reverse Video Input: AHD Front Rear Record. Format: 1080 FHD 30Hz
6. Test the Camera – Shift into reverse and make sure the camera displays properly on the screen.
7. If you have multiple cameras, please see pages 19 to 20 to ensure the correct settings are adjusted..

FAQs

Still confused about camera power and reverse trigger?

Powering the camera to 12 Volt ACC+ is like plugging a lamp into a wall. Wiring up the BACK wire to a REVERSE FEED is like switching the lamp on.

Documents / Resources

	<p>Polaris AHD Mini Camera [pdf] Instructions</p> <p>DAGNCO14xSA, BAFGz6hPf0A, AHD Mini Camera, AHD Camera, Mini Camera, Camera</p>
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References

- [User Manual](#)

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