

VS41 / GM6A-RST

Vehicle Specific Instructions for use with
RadioPRO ADVANCED GM6A-RST

Introduction & Features

The VS41 is an intelligent 4 camera switcher for controlling front, rear, and blind spot cameras. It is designed to be used with PAC radio replacement interfaces.

Important Notes

1. The Standard Installation instructions below are specifically for adding reverse, blind spot, and front cameras (or any combination of the three) to an aftermarket radio using the GM6A-RST. If you are adding any other type of camera or if greater flexibility is required, follow the Advanced Installation instructions on page 2.
2. The GM6A-RST must be installed in the vehicle with the VS41 connected in order to access the "Camera Control" settings in the RadioPRO PC Application
3. The reverse trigger output will provide a 150 mA 12v (+) trigger while any of the analog input triggers are activated.
4. The VS41 video output will always default to the signal from Input 1 when none of the input triggers are activated. This Input is ideal for connecting the reverse camera.
5. The VS41 inputs have priority in descending numerical order. For example: If you have Input 3 or 4 triggered, then you trigger a lower number input (for example Input 2), Input 2 will take priority over the higher numbered Input.
6. If there is poor video quality after installation of this module, please ensure quality connections on all RCA connections.

Installation Steps - Standard Installation

1. Make your camera connections as shown in the diagram below.
2. With the GM6A-RST installed in the vehicle, connect the VS41's 10 Pin Plug to the 10 Pin Expansion Port on the GM6A-RST. Connect the GM6A-RST to your computer using a micro-USB cable.
3. In the RadioPRO PC Application, select Configure, then Camera Control. Set your camera presets based on what position the camera is located in for proper functionality. When selecting a setting, hover your mouse over the selected function to see what that function will control or do when selecting it.
4. Ensure that the bottom drop down menu is set for "I am not using analog triggers on the VS41".
5. Verify proper operation of the installed cameras.

RadioPRO PC App

Camera 1 - Factory Reverse Camera Only

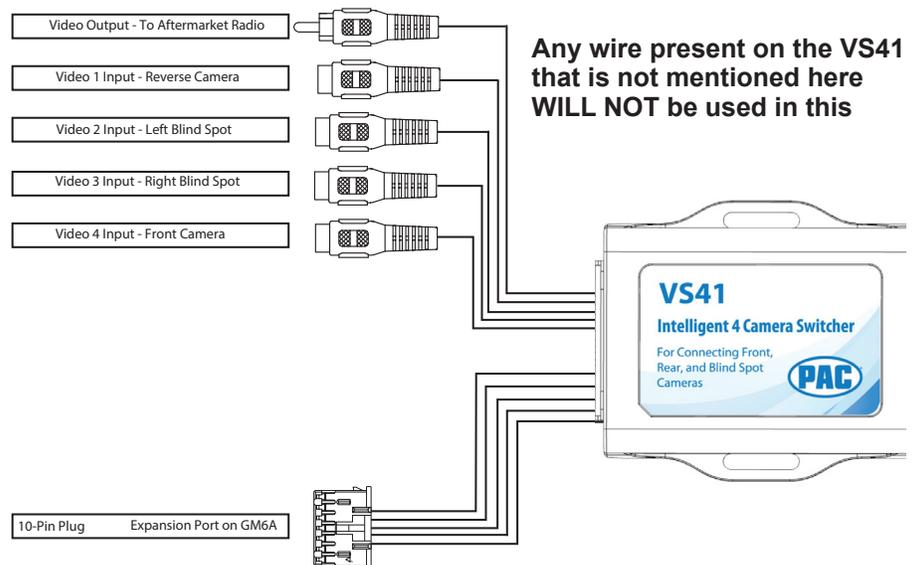
Camera 2 Camera preset: LEFT
Low Speed Override:

Camera 3 Camera preset: RIGHT
Low Speed Override:

Camera 4 Camera preset: FRONT
Max Duration: 10 Seconds
Max Speed Threshold: 10 MPH

VS41 Trigger Selection: I am not using analog triggers on the VS41
I am not using analog triggers on the VS41
I am using analog triggers on the VS41

Wiring Connection Chart



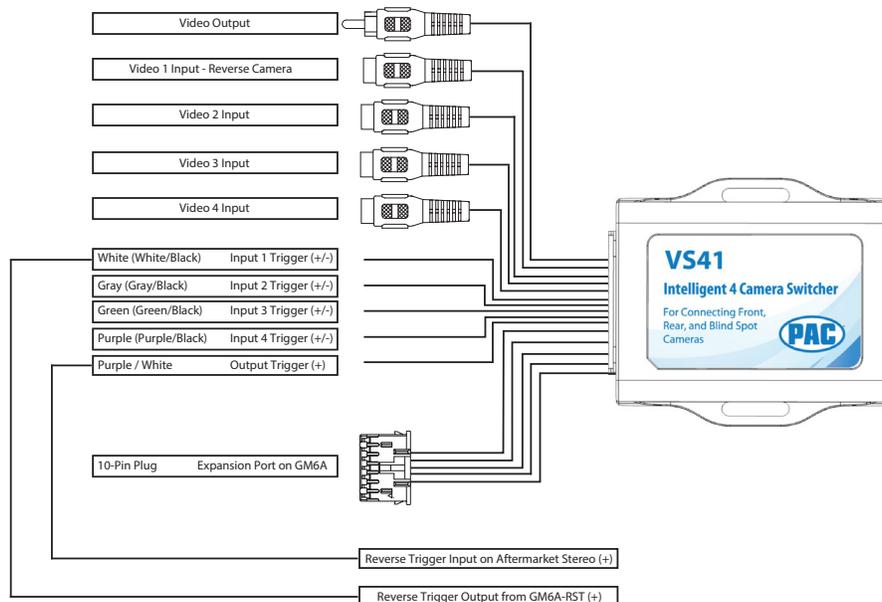
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Installation Steps - Advanced Installation

1. Make your camera connections and trigger connections as desired. Use only the positive OR negative trigger for each input. Do not use both.
2. The Reverse Trigger Output from the GM6A-RST needs to connect to the Input 1 + Trigger on the VS41.
3. The Output Trigger + from the VS41 needs to connect to the Reverse Trigger Input + on the aftermarket stereo.
4. With the GM6A-RST installed in the vehicle, connect the VS41's 10 Pin Plug to the 10 Pin Expansion Port on the GM6A-RST. Connect the GM6A-RST to your computer using a mirco-USB cable.
5. On the RadioPRO PC Application, select Configure, then Camera Control. Set your camera presets based on what position the camera is located in for proper functionality. When selecting a setting, hover your mouse over the selected function to see what that function will control or do when selecting it.
6. Ensure that the bottom drop down menu is set for "I am using analog triggers on the VS41".
7. Verify proper operation of the installed cameras.

Wiring Connection Chart



RadioPRO PC App

The screenshot shows the RadioPRO PC App interface. The top navigation bar includes icons for Configure, Firmware, About, and Support. The main menu on the left lists Audio Settings, Steering Wheel Controls, Camera Control (highlighted), Vehicle Settings, and Chime Control. The right panel displays the Camera Control settings for four cameras. Camera 1 is set to 'Factory Reverse Camera Only'. Camera 2 has settings for Camera preset (FRONT), Max Duration (10 Seconds), and Max Speed Threshold (10 MPH). Camera 3 has a Camera preset (AUX) and a note: 'When this setting is selected you must use the corresponding analog trigger input 3 on the VS41'. Camera 4 has a Camera preset (NONE). At the bottom, the VS41 Trigger Selection is set to 'I am using analog triggers on the VS41'.

