

Introduction & Features

The RP4-VW11 interface allows the replacement of a factory radio in select Volkswagen vehicles with LSFT-CAN databus radios. Using this interface will retain factory features such as steering wheel controls (SWC) and the factory Volkswagen amplifier whenever the original radio is removed. The RP4-VW11 also provides data bus driven outputs such as retained accessory power (RAP), vehicle speed sensor (VSS), illumination, reverse trigger and parking brake.

Important Notes

1. The radio select rotary switch on the side of the interface must be adjusted to the proper radio setting before plugging the interface into the vehicle (see next page for setting chart).
2. The interface comes pre-programmed for all of the vehicles factory SWC functions and does not require programming unless you wish to re-assign the SWC functions to different buttons or assign buttons that are not pre-programmed. The SWC can always be restored to default settings by pressing and releasing the program button on the side of the interface once and waiting 7 seconds for the LED to flash 4 times.
3. The LED will flash whenever a user programmable SWC button is pressed.
4. The SWC will not function when car is in Accessory mode.
5. **When used in any of the following vehicles equipped with a Multi Function Display (MFD):** The audio screen will display the SWC functions as they are pressed on the steering wheel. It will also display "Programming Mode" whenever the programming button on the side of the interface is pressed. The Blue/White remote input wire must be hooked up and the MFD must be in audio mode for these features to be displayed.
2009+ CC,
2010+ Eos, Golf, GTI, Jetta, Passat, Rabbit
2011+ Tiguan
6. **When used in any of the following vehicles equipped with a MFD:** The up & down arrows on the SWC that also control the MFD come programmed with functions but the SWC will control both the radio and the MFD. These buttons can be removed by reprogramming the interface and not programming these buttons.
2006-2009 Golf, GTI, Jetta, Passat
2007-2009 Eos, Rabbit
6. In vehicles equipped with factory Bluetooth, the telematics module must be disconnected in order to use the Phone & Voice buttons. Not disconnecting the telematics module will result in the MFD switching to phone mode every time the Phone or Voice buttons are pressed. The telematics module can usually be found under the passenger seat.
7. The RAP feature is not available in 2010+ vehicles equipped with a premium amplified system

Wiring Connection Chart

Interface Connector

Red / White	P.B. Output (-)
Purple / White	VSS Output
Blue/White	Radio On Input
Red	Acc. Output (1 amp)
Orange / White	Illum. Output (+)
Green	Reverse Output (+)

Vehicle Connector

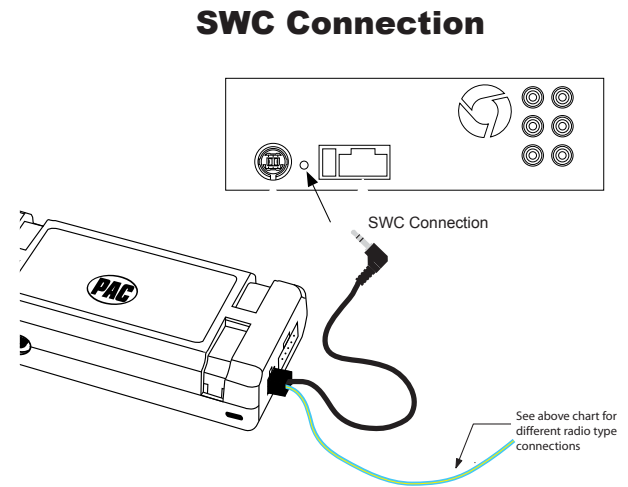
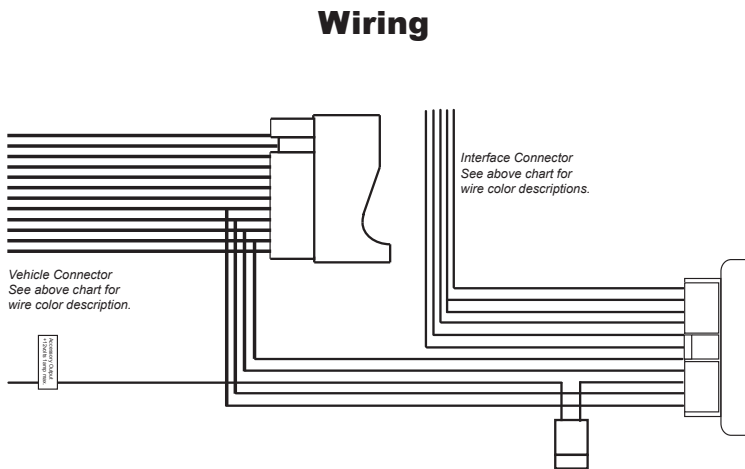
Yellow	Battery +12v
Black	Ground
Blue/White	Amp Turn On Input
White	Front L + input
White / Black	Front L - input
Grey	Front R + input
Grey / Black	Front R - input
Green	Rear L + input
Green / Black	Rear L - input
Purple	Rear R + input
Purple / Black	Rear R - input

SWC Connector

Blu/Yel	Kenwood, Newer JVC, OEM or Blaupunkt
3.5mm Jack	Alpine, JVC, Clarion, Pioneer, Sony, Valor, Boyo, Dual, Visteon or Advent

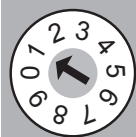


Illustration / Schematic



Installation Steps

SET RADIO SELECT SWITCH



Alpine	Advent, BOYO, Dual, Visteon, Sony	Blaupunkt	Clarion	JVC	Kenwood	OEM	Pioneer	Valor
1	7	8	4	2	3	6	7	5

1. The radio select rotary switch on the side of the interface must be adjusted to the proper radio setting before plugging the interface into the vehicle.

2. Make connections as described in the connection chart on page one. **Vehicles with a premium factory amplifier:** The factory amplifier only accepts two channels of audio input (left and right). Fading is not supported in this application. The factory amplifier's fading is controlled by data communication from the factory radio. Neither the aftermarket radio or the RP interface have the ability to control the amplifier's fader.
3. Connect the SWC wire according to the chart on page 1 (aftermarket radio **MUST** support a wired remote input)
4. If you wish to reassign functions to the SWC follow the programming instructions in the next section.

Optional Steering Wheel Control Programming

IMPORTANT! The interface comes pre-programmed for all of the vehicles factory SWC functions and does not require programming unless you wish to re-assign the SWC functions to different buttons. The SWC can always be restored to default settings by pressing the program button on the side of the interface once and waiting 7 seconds for the LED to flash 4 times.

In the following vehicles equipped with a MFD the screen must be set to audio mode for all buttons to program correctly.

- 2009+ CC,
- 2010+ Eos, Golf, GTI, Jetta, Passat, Rabbit
- 2011+ Tiguan

The OK & Back buttons can be programmed but they will also control the MFD at the same time.

2004-2010 Touareg can only program Volume Up & Down



Optional Steering Wheel Control Programming (cont.)

Default SWC Button Assignments

	Alpine	JVC	Kenwood	Clarion	Valor	OEM	Sony/Pioneer	Blaupunkt
Volume +	Volume +	Volume +	Volume +	Volume +	Volume +	Volume +	Volume +	Volume +
Volume -	Volume -	Volume -	Volume -	Volume -	Volume -	Volume -	Volume -	Volume -
Phone	Receive	Receive	Answer	Send/End	Source	Answer	Answer	Source
Track +	Track +	Track +	Track +	Search +	Track +	Next	Track +	Track +
Track -	Track -	Track -	Track -	Search -	Track -	Previous	Track -	Track -
Voice/Star	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute
Preset Up	Preset +	Band	Disc +	N/P	Cursor Up	Cursor Up	Preset +	Disc +
Preset Down	Preset -	Preset +	Disc -	N/P	Cursor Down	Cursor Down	Preset -	Disc -
OK	N/P	N/P	N/P	N/P	N/P	N/P	N/P	N/P
Back	N/P	N/P	N/P	N/P	N/P	N/P	N/P	N/P

*N/P = Not programmed by default. Can be re-programmed to perform any function the user would like.

If you wish to re-assign the SWC functions, the interface must be programmed in the specific order shown in the chart on the next page. If you come across a function in the chart that your steering wheel does not have, or you do not want to program, press and release the program button on the side of the interface to skip that function. The LED will flash off and on confirming that you have successfully skipped that function and are ready to proceed to the next one.

SET RADIO SELECT SWITCH



Alpine	Advent, BOYO, Dual, Visteon, Sony	Blaupunkt	Clarion	JVC	Kenwood	OEM	Pioneer	Valor
1	7	8	4	2	3	6	7	5

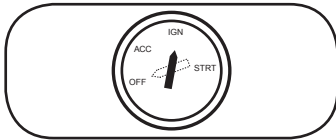
Optional Programming Order

	Alpine	JVC	Kenwood	Clarion	Valor	OEM	Advent, Boyo, Dual, Visteon, Sony	Pioneer	Blaupunkt
1	Volume +	Volume +	Volume +	Volume +	Volume +	Volume +	Volume +	Volume +	Volume +
2	Volume -	Volume -	Volume -	Volume -	Volume -	Volume -	Volume -	Volume -	Volume -
3	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute
4	Preset +	Source	Source	Source	Source	Source	Preset +	Preset +	Source
5	Preset -	Track +	Play	Search +	Track +	Next	Preset -	Preset -	Track +
6	Source	Track -	Track +	Search -	Track -	Previous	Source	Source	Track -
7	Track +	Band/Disc +	Track -	Band	Up Cursor	Play/Ok	Track +	Track +	Disc +
8	Track -	Preset/Disc -	Disc/FM +	Send/End	Down Cursor	Band	Track -	Track -	Disc -
9	Power	Select	Disc/AM -	Send	Ok	Up Cursor	Band	Band	Ok
10	Enter/Play	Attenuation	Answer	End		Down Cursor		Phone Menu	
11	Band/Program	Phone Receive				BT Answer		Answer Call	
12	Receive	Phone Reject				BT Hangup		End Call	
13	End	Voice Dial						Voice Activation	
14		Power							

Optional Steering Wheel Control Programming (cont.)

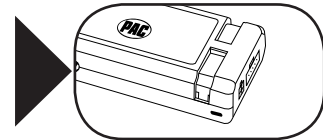
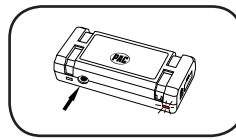
Step A.

Turn the vehicle ignition to the ON position.



Step B.

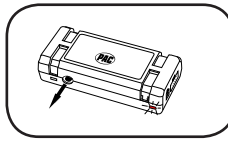
Press and hold the programming button.



LED will turn off.

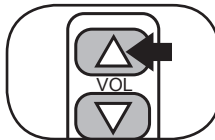
Step C.

Release the programming button. The LED will turn back on.



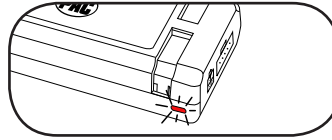
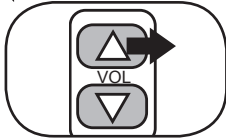
Step D.

Within 7 seconds, press and release the button that is to be learned on the steering wheel.



Step E.

Release the button.



The LED will turn on back on.

Step F.

If you need to program more buttons, repeat steps D & E for each additional audio function on the steering wheel.

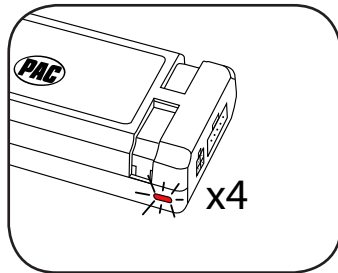
Program remaining buttons



The LED will turn off during this process.

Step G.

After all buttons are programmed



Once programming is completed, **wait 7 seconds.** The LED will flash four times indicating the end of programming.



Testing & Verification

1. Turn the ignition on. The LED on the interface will turn on & the +12v accessory wire will turn on.
2. Turn on the radio & check balance & fade. Note: **Premium Factory amplified Systems** will not fade as neither the aftermarket radio or the RP interface have the ability to control the amplifier's fader.
3. Verify that all SWC are functioning properly.
4. Turn off vehicle & remove key. Radio will turn off as soon as the key is removed from the ignition

