

## Volunteer Audio Installation Tips



# STEERING WHEEL CONTROLS





Volunteer Audio is a leading source of aftermarket car audio products. We want to make sure your new system integrates with the vehicle as seamlessly as possible. In order to keep the original audio steering wheel controls (SWC) functioning when installing an aftermarket audio system, an electronic interface is required.



### SWC Interface Wiring

There are two wires used for steering wheel controls. Each interface (either stand-alone or as part of a multi-function product) has one blue/yellow wire and one black wire with a stereo-type 3.5mm plug. Both wires accomplish the same purpose: transferring the SWC signals to the radio. It depends on the radio brand (see table) as to which connection is used. **DO NOT CONNECT BOTH.** The blue/yellow wire is sometimes mistaken for blue/white and connected to the blue/white. This will cause malfunctions, so check the colors carefully. Simply fold and tape off the unused SWC wire.

Wire Color	Functions with:
Blue/Yellow	 Kenwood, Newer JVC, or OEM
3.5mm Jack	 Advent, Alpine, Boyo, Clarion, Dual, Fusion, JVC, Lightning Audio, Pioneer, Sony, Valor, and Visteon

- ✓ Do not plug the black 3.5mm plug into the microphone (MIC) jack.
- ✓ Make sure the plug seats all the way in.
- ✓ Zip-tie or tape the plug securely in place or it may back out over time.
- ✓ Some Sony radios have an indexed jack that is keyed to orient the wire vertical and upward. This keeps it from snagging during installation. If the plug orientation is not correct, the plug will only go in half way. This will cause control malfunctions.
- ✓ Do not connect the blue/yellow wire to the blue/white.



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## Assembly Order

Assemble all steering wheel control interface connections before turning on power. Interfaces function in conjunction with the radio and the vehicle Electronic Control Module. Interfaces are sensitive and can get “confused” and controls may act erratically if assembled while power is on. Read the SWC instructions carefully for specifics of assembly order (and programming if needed) before starting the installation.

## Problems? Try this...

To re-initialize an interface that is not acting as expected, turn off the power (ignition key). If the dash is still opened up, unplug the wiring harness from the vehicle, turn off all electrical features such as the dome light and do not open the door or operate anything electrical. Sit and wait about 15 minutes to allow any residual power to dissipate from the electronics. You may also do this procedure from outside the vehicle by disconnecting the battery cable. Reassemble the wiring harness (or reconnect the battery cable) and turn on the key. This procedure often clears up interface malfunctions.

# TECHNICAL SUPPORT

If you are still having problems, below are contact numbers for technical support provided by the major manufacturers of steering wheel control interfaces. A representative technician can go through step-by-step diagnostics with you.

Manufacturer	Website	Tech Support Line
PAC	<a href="http://www.pac-audio.com/SWI">www.pac-audio.com/SWI</a>	(866) 931-8021
SCOSCHE	<a href="http://www.scosche.com">www.scosche.com</a>	(800) 365-4490, EXT. 3
AXXESS	<a href="http://www.axxessinterfaces.com">www.axxessinterfaces.com</a>	(800) 253-8324

In the unlikely event that a product is deemed defective by the technician, contact Volunteer Audio Tech Support at 1(844) 302-8346, Ext. 4, to arrange a return merchandise authorization for product replacement of items still under warranty.

Please have your order number (top corner of the packing slip) ready when you call. Also, please provide:

- ✓ the name of the manufacturer's technical representative that assisted you
- ✓ the suspected reason the item may be defective
- ✓ date of contact

This basic information will greatly assist in expediting a replacement part for you. It may also help identify a problem that would benefit the manufacturer and other consumers.



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