

HD Handlebar Controls

Volunteer Audio is a leading source of aftermarket audio products for Harley-Davidson® motorcycle enthusiasts. To keep OE audio handlebar controls functioning properly, an electronic interface is required. Three available interfaces for handlebar control function are described below. A troubleshooting guide is provided on the following page.

For further troubleshooting assistance, please call 1(844) 302-8346, Ext. 4.



HDSWC1

The HDSWC1 handle bar control interface allows you to connect an aftermarket stereo to your Harley-Davidson® while keeping the full functionality of your factory handle bar controls. The HDSWC1 works with three different Harley-Davidson models

Street Glide 2006-2013
Road Glide 1998-2013
Electra Glide 1998-2013



ASWC-1

The ASWC-1 is a universal SWC interface that can be used on most **2014-up** Harley's when used in conjunction with the **METRA 99-9700 Radio Replacement Kit**. Designed to be used with today's top aftermarket radio brands, the ASWC-1 is able to auto-detect many bikes and aftermarket radios. It will preset the handlebar controls to the aftermarket radio automatically so no programming is required.



SWI-HD

The SWI-HD is a pre-programmed handlebar control interface *included* with the **HDK001K** Radio Replacement Kit. The only adjustment required is to set a dial for the radio brand. The HDK001K kit is designed for Harley **1998-2013 FL** models with factory fairings.





Troubleshooting Guide

There are a few common issues with Harley-Davidson® handlebar controls and aftermarket products. Usually problems can be easily identified and corrected.

Interface Wiring

The two wires used for handlebar controls on the **HDSWC1** and the **SWI-HD** sometimes confuse new installers. Each interface has one blue/yellow wire and an audio-type black wire with a 3.5mm plug. Both wires accomplish the same purpose. 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 un-used 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.
- ✓ Harley's vibrate. 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, which will cause control malfunctions.

Assembly Order

Assemble all handlebar control interface connections before turning on power. Interfaces are sensitive and can get "confused" if assembled while power is on.

To re-initialize an interface that is not acting as expected, turn off the power (ignition key) and disconnect the aftermarket harness from the factory harness (or disconnect a battery cable). Wait about 15 minutes to allow any residual power to dissipate from the electronics. Reconnect the harness or battery cable and turn the key. *This procedure often clears up interface malfunctions.*

Sony Receiver Settings

A few Sony receivers have the remote steering wheel controls preset as "USER". This setting will not work with most US domestic market vehicles. If your handlebar controls are not working with a Sony check the owner's manual ...

- TURN THE RECEIVER OFF (the clock is displayed) →
- GENERAL SETUP →
- STEERING (OR STR EDIT on some models) →
- Change USER to EXTERNAL →
- Back out of settings (*do not* edit other settings)

METRA 99-9700 Radio Replacement Kit and ASWC-1

This kit has an interface (not for handlebar controls) with an LCD readout. You must initialize this interface *prior to connecting the ASWC-1* interface which is sold separately (see page 7 of the 99-9700 installation manual).