



Volkswagen Data Interface 2002-2017

INTRODUCTION

The AX-ADVW01 harness is designed for, and must be used with, the AX-ADBOX1 or AX-ADBOX2 interface (sold separately). Please refer to the AX-ADBOX1 or AX-ADBOX2 for the 16-pin connector with stripped leads.

INTERFACE FEATURES

- Provides accessory power (12-volt 10-amp)
- Maintains the retained accessory power (R.A.P.) feature
- Provides NAV outputs (parking brake, reverse, speed sense)
- Pre-wired ASWC-1 harness (ASWC-1 sold separately)

[†] Excluding digital-(Fender) amplified models

- Can be used in non-amplified, or analog/digital-(Fender) amplified models
- Retains balance and fade[†]
- Micro "B" USB updatable

APPLICATIONS

VOLKSWAGEN

Beetle	2012-2015	Golf, Golf R	2010-2014	Jetta Sportwagen	2010-2014
CC	2009-2017	GTI	2002-2014	Passat	2002-2015
EOS	2007-2016	Jetta (with double DIN factory radio)	2002	R32	2007-2008
Golf (with double DIN factory radio)	2002	Jetta	2003-2015	Rabbit	2007-2009
Golf	2003-2006	Jetta GLI	2006-2015	Tiguan	2009-2015

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INTERFACE COMPONENTS

- AX-ADVW01 harness

TOOLS REQUIRED

- Crimping tool and connectors, or solder gun, solder, and heat shrink
- Small flat-blade screwdriver
- Tape
- Wire cutter
- Zip ties

CAUTION! All accessories, switches, climate controls panels, and especially air bag indicator lights must be connected before cycling the ignition. Also, do not remove the factory radio with the key in the on position, or while the vehicle is running.

CONNECTIONS TO BE MADE

From the 16-pin harness with stripped leads to the aftermarket radio (harness included with interface):

- Connect the **Red** wire to the accessory wire.

Note: If installing an ASWC-1 (sold separately), connect the **Red** wire on the AX-ADTY01 harness as well.

- If the aftermarket radio has an illumination wire, connect the **Orange/White** wire to it.

The following (3) wires are only for multimedia/navigation radios that require these wires.

- Connect the **Blue/Pink** wire to the VSS/speed sense wire.
- Connect the **Green/Purple** wire to the reverse wire. (Not applicable in manual transmission vehicles)
- Connect the **Light Green** wire to the parking brake wire.
- Tape off and disregard the following (10) wires, they will not be used in this application: **Blue/White, Brown, White, White/Black, Gray, Gray/Black, Green, Green/Black, Purple, Purple/Black.**

From the AX-ADVW01 harness to the aftermarket radio:

- Connect the **Black** wire to the ground wire.
- Connect the **Yellow** wire to battery wire.
- Connect the **White** wire to the left front positive speaker output.
- Connect the **White/Black** wire to the left front negative speaker output.
- Connect the **Gray** wire to the right front positive speaker output.
- Connect the **Gray/Black** wire to the right front negative speaker output.
- Connect the **Green** wire to the radio's left rear positive speaker output.
- Connect the **Green/Black** wire to the radio's left rear negative speaker output.
- Connect the **Purple** wire to the radio's right rear positive speaker output.
- Connect the **Purple/Black** wire to the radio's right rear negative speaker output.

12-pin pre-wired ASWC-1 harness:

- This harness is to be used along with the optional ASWC-1 (not included) to retain steering wheel audio controls. If the ASWC-1 is not being used, disregard this harness. If it will be used, please refer to the ASWC-1 instructions for radio connections and programming. Disregard the harness that comes with the ASWC-1.

INSTALLING & PROGRAMMING THE AX-ADVW01

Attention! The AX-ADVW01 will work with both the AX-ADBOX1 and AX-ADBOX2 interfaces, but programming will be different. Refer to the proper page for whichever interface is being used. Also note, the programming instructions for the AX-ADBOX2 reflect gen. 2. If installing a gen. 1 AX-ADBOX2, refer to the AX-ADBOX1 programming instructions. Gen. 2 interfaces can be distinguished by a blue reset button between the (2) connectors.

AX-ADBOX1

Installing the AX-ADVW01

With the key in the off position:

- Connect the 16-pin harness with stripped leads, and the AX-ADVW01 harness, into the interface.
- Connect the AX-ADVW01 harness to the wiring harness in the vehicle.
- If an ASWC-1 (sold separately) will be used, do not connect it until the AX-ADVW01 is programmed and fully functional.

Programming the AX-ADVW01

Attention! If the interface ever loses power, the following steps will need to be performed again. Please ensure that the owner of the vehicle knows this.

- Turn the key (or push-to-start button) to the ignition position and wait until the radio comes on.
Note: If the radio doesn't come on within 60 seconds, turn the key to the off position, disconnect the interface, check all connections, reconnect the interface, and then try again.
- Turn the key (or push-to-start button) to the off position, then to the accessory position. Test all functions of the installation for proper operation, before reassembling the dash.

Continue to Adjusting the AX-ADVW01

INSTALLING & PROGRAMMING THE AX-ADVW01

Attention! The AX-ADVW01 will work with both the AX-ADBOX1 and AX-ADBOX2 interfaces, but programming will be different. Refer to the proper page for whichever interface is being used. Also note, the programming instructions for the AX-ADBOX2 reflect gen. 2. If installing a gen. 1 AX-ADBOX2, refer to the AX-ADBOX1 programming instructions. Gen. 2 interfaces can be distinguished by a blue reset button between the (2) connectors.

AX-ADBOX2

Installing the AX-ADVW01

With the key in the off position:

- Connect the 16-pin harness with stripped leads, and the AX-ADVW01 harness, into the interface.
- If an ASWC-1 (sold separately) will be used, do not connect it until the AX-ADVW01 is programmed and fully functional.

Attention! Do not connect the AX-ADVW01 harness to the wiring harness in the vehicle just yet.

Programming the AX-ADVW01

For the steps below, the L.E.D. located inside the interface can only be seen while active. The interface does not need to be opened to see the L.E.D.

1. Start the vehicle.
2. Connect the AX-ADVW01 harness to the wiring harness in the vehicle. The L.E.D. will initially be **Green** to indicate the interface is powered.

3. After a few seconds the L.E.D. will turn on solid **Red** while the interface automatically programs to the vehicle. The radio will shut off at this point. This process should take 5 to 30 seconds.
4. After the interface is programmed, the L.E.D. will turn on solid **Green**, and the radio will come back on, indicating programming was successful.
5. Test all functions of the installation for proper operation, before reassembling the dash.
6. If the interface fails to function, refer to “Troubleshooting”, “Resetting the interface”.

Troubleshooting

Resetting the interface

1. The **Blue** reset button is located inside the interface, between the two connectors. The button is accessible outside the interface, no need to open the interface.
2. Press and hold the reset button for two seconds, then let go to reset the interface.
3. Refer to “Programming the AX-ADVW01 Interface” from this point.

Continue to Adjusting the AX-ADVW01

ADJUSTING THE AX-ADVW01

Audio level adjustment (Fender amplified models only):

- With the vehicle and radio turned on, turn the volume up $\frac{3}{4}$ of the way.
- With a small flat-blade screwdriver, adjust the potentiometer clockwise to raise the audio level; counterclockwise to lower the audio level.
- Once at a desired level, audio level adjustment is complete.







AX-ADVW01

INSTALLATION INSTRUCTIONS



IMPORTANT

If you are having difficulties with the installation of this product, please call our Tech Support line at 1-800-253-TECH. Before doing so, look over the instructions a second time, and make sure the installation was performed exactly as the instructions are stated. Please have the vehicle apart and ready to perform troubleshooting steps before calling.



KNOWLEDGE IS POWER

Enhance your installation and fabrication skills by enrolling in the most recognized and respected mobile electronics school in our industry. Log onto www.installerinstitute.com or call 800-354-6782 for more information and take steps toward a better tomorrow.



Metra recommends MECP certified technicians