



VW Data Interface 2002-2017

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INTERFACE FEATURES

- Provides accessory power (12-volt 10-amp)
- Maintains the retained accessory power (R.A.P.) feature
- Provides NAV outputs (parking brake, reverse, and speed sense)
- Prewired AXSWC harness (AXSWC sold separately)
- Retains balance and fade†
- Can be used in non-amplified or amplified models (including Fender sound systems)
- Micro-B USB updatable

† Fade not retained in Fender sound systems

APPLICATIONS

VOLKSWAGEN

Beetle	2012-2015	Golf, Golf R	2003-2014	Jetta SportWagen	2010-2014
CC	2009-2017	GTI	2002-2005	Passat	2002-2015
EOS	2007-2016	Jetta (ISO DDIN models only)	2002	Rabbit	2007-2009
Golf (ISO DDIN models only)	2002	Jetta, Jetta GLI	2003-2015	Tiguan	2009-2015

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INTERFACE COMPONENTS

- AXTO-VW1 interface • AXTO-VW1 harness
- 16-pin harness with stripped leads

TOOLS REQUIRED

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

Attention! Let the vehicle sit with the key out of the ignition for a few minutes before removing the factory radio. When testing the aftermarket equipment, ensure that all factory equipment is connected before cycling the key to ignition.

CONNECTIONS TO BE MADE

From the 16-pin harness to the aftermarket radio:

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

Note: If installing an AXSWC (sold separately), connect the **Red** wire on the AXTO-VW1 harness as well.

- Connect the **Orange/White** wire to the illumination wire. (If the aftermarket radio has no illumination wire, tape off the **Orange/White** wire).
- Connect the **Blue/White** wire to the amp turn on wire (In models with a Fender amp, this wire must be connected to hear sound from the factory amplifier).
- Tape off and disregard the following (9) wires, they will not be used in this application **Brown, White, White/Black, Gray, Gray/Black, Green, Green/Black, Purple, Purple/Black**

The following wires are for aftermarket multimedia/navigation radios that provide these wires (if not required, tape them off and disregard them):

- Connect the **Light Green** wire to the parking brake wire (if applicable and not available on manual transmission).
- Connect the **Blue/Pink** wire to the speed sense wire (if applicable).
- Connect the **Green/Purple** wire to the reverse wire (if applicable).

From the AXTO-VW1 harness to the aftermarket radio:

- Connect the **Black** wire to the ground wire.
- Connect the **Yellow** wire to the 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 left rear positive speaker output.
- Connect the **Green/Black** wire to the left rear negative speaker output.
- Connect the **Purple** wire to the right rear positive speaker output.
- Connect the **Purple/Black** wire to the right rear negative speaker output.

12-pin pre-wired AXSWC harness:

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

INSTALLING THE AXTO-VW1

With the key in the off position:

- Connect the 16-pin harness with stripped leads, and the AXTO-VW1 harness, into the interface.
- If an AXSWC (sold separately) will be used, do not connect it until the AXTO-VW1 is programmed and fully functional.

Attention! Do not connect the AXTO-VW1 harness to the wiring harness in the vehicle just yet.

PROGRAMMING THE AXTO-VW1

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 AXTO-VW1 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”.

ADJUSTING THE AXTO-VW1

Audio level adjustment (Fender amplified systems only):

- With the vehicle and radio turned on, turn the volume up 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.

TROUBLESHOOTING

Resetting the Axxess interface

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



AXTO-VW1 INSTALLATION INSTRUCTIONS



If you are having difficulties with the installation of this product, contact our Tech Support line either by phone at **1-800-253-TECH**, or email at **techsupport@metra-autosound.com**. Before doing so, look over the instruction booklet a second time and ensure that the installation was performed exactly as the instruction booklet is stated. Have the vehicle apart and ready to perform troubleshooting steps before contacting Metra/Axxess Tech Support.



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**