



Volkswagen (with MIB platform) HDMI and Camera Interface 2014-up*

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INTERFACE FEATURES

- Provides front and rear camera inputs to the factory radio
- Provides an HDMI input to the factory radio
- Micro "B" USB updatable

INTERFACE COMPONENTS

- AX-AM-VW91 interface
- AX-AM-VW91 harness
- 6-pin to 4-pin LVDS (video) cable
- 10-pin harness with RCA jacks

APPLICATIONS

VOLKSWAGEN

Golf/Rabbit (Typ 5G) (a) (c) (e)	2014-2017	Polo (Typ 6C) (b)	2014-2017
Golf SV (Typ 5G) (b) (e) (f)	2014	Touran (Typ 5T) (b) (e)	2015-2017
Passat/CC (Typ 3G) (c) (d)	2015-up	Tiguan (b) (e)	2016-up
(a) Composition Media 5.8"	(c) Composition Media 8"	(e) Discover Navigation 8"	
(b) Composition Media 6.5"	(d) Discover Media 8"	(f) Discover Navigation Pro 8"	

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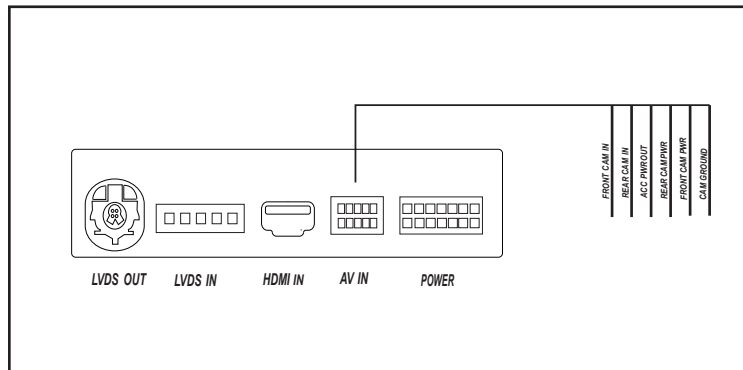
TOOLS REQUIRED

- Wire cutter • Crimp tool • Solder gun • Tape
- Connectors (example: butt-connectors, bell caps, etc.)

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

- If installing a front/rear camera, connect the **Black** wire labeled “GND”, to the camera(s) ground wire.
- If installing a backup camera, connect the **Red** wire labeled “Reverse Camera 12v”, to the backup camera power wire.
- If installing a front camera, connect the **Red** wire labeled “Front Camera 12v”, to the front camera power wire.
- The **Red** wire labeled “Acc Power Output” is optional if a power source is required while a camera is active.
- If installing a backup camera, connect the RCA jack labeled “Reverse Camera Video Input” to the camera.
- If installing a front camera, connect the RCA jack labeled “Front Camera Video Input” to the camera.
- If adding an HDMI input to the factory radio, connect an HDMI cable (Axxess part number AX-HDCABLE, sold separately), to the port on the AX-AM-VW91 labeled “HDMI IN”.

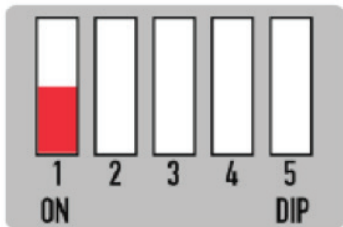


(Connections Diagram)

CONFIGURING THE AX-AM-VW91

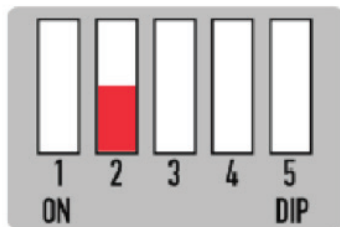
Dip switch settings

Remove the access door located on the top of the AX-AM-VW91 interface to access the dip switches.



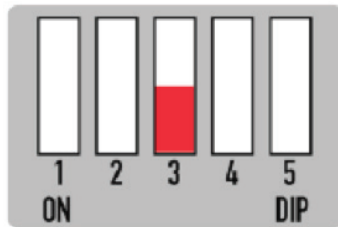
Dip 1

If the vehicle is equipped with a factory backup camera: **On:** Yes **Off:** No



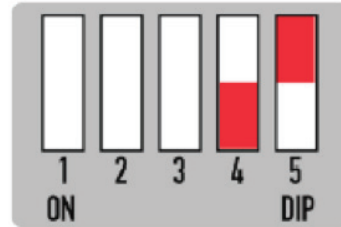
Dip 2

If the vehicle has an aftermarket front camera: **On:** Yes **Off:** No



Dip 3

If the vehicle has an aftermarket backup camera: **On:** Yes **Off:** No

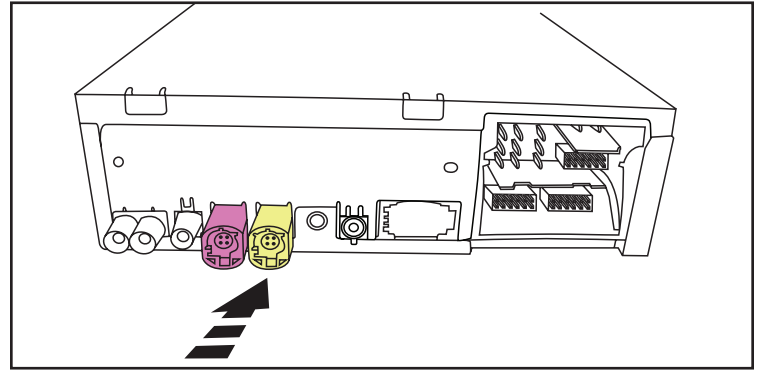


Dips 4 & 5

- 5.8-inch screen:
Dip 4 Off - Dip 5 N/A
- 6.5-inch or higher screen:
Dip 4 On - Dip 5 N/A

INSTALLING THE AX-AM-VW91

- Remove the main connector from the radio, then connect the *male* plug from the AX-AM-VW91 harness into the radio.
 - Connect the factory *male* factory connector into the *female* plug from the AX-AM-VW91 harness.
 - Connect the AX-AM-VW91 harness into the AX-AM-VW91 interface.
 - Remove the LVDS (video) cable from the radio, then connect it to the AX-AM-VW91 interface (LVDS OUT). (Figure A)
- Note:** This factory connector may be gray or yellow.
- Connect the 6-pin to 4-pin LVDS (video) cable into the radio, and then into the AX-AM-VW91 interface (LVDS IN).
 - Connect the 10-pin harness with RCA jacks into the AX-AM-VW91 interface.



(Figure A)

USER GUIDE

Button Configuration

- The buttons on the factory radio, will be used to operate the AX-AM-VW91.



HDMI access

- Select AUX-IN as a source from the factory radio.
- Hold the “MEDIA” button for 2 seconds to switch between the factory screen and the AX-AM-VW91 screen.
- Hold the “MENU” button (or press the top right corner of the touchscreen) to disable the video-in-motion warning message.

Front camera access

- Ensure dip switch 2 is selected to “ON”.
- Hold the “MENU” button for 2 seconds to activate the front camera.

Rear camera access

- The backup camera will automatically activate while the vehicle is in reverse gear.
- Deselecting the reverse gear will activate the front camera, if installed and dip switch 2 is selected to “ON”.

Note: This camera takes priority over HDMI mode, and front camera mode. But will not deactivate the front camera. Press the top right corner of the touchscreen, or drive over 10 mph, to cancel front camera mode.

View Version Number

- Hold the “MEDIA” button for 8 seconds to enter the firmware information screen.



AX-AM-VW91

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