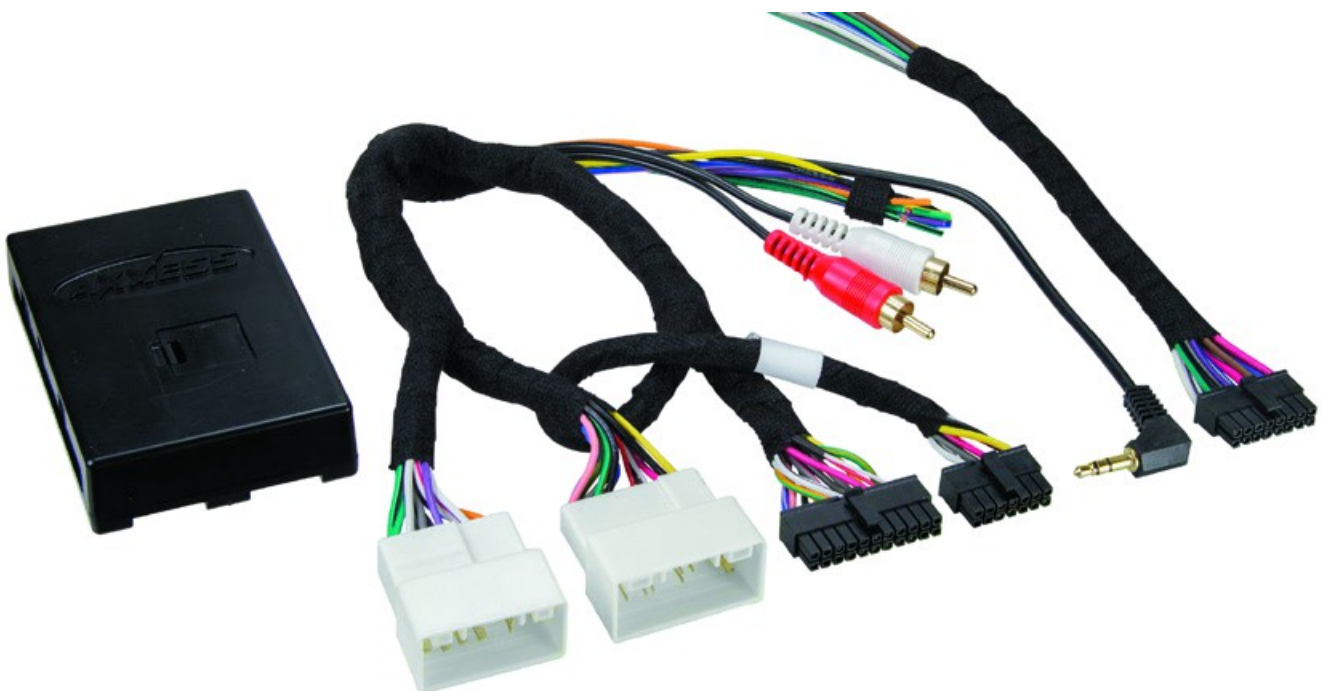


## AXXESS AXDIS-HK1 Vehicle Data Interface Instruction Manual

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### AXDIS-HK1 INSTALLATION INSTRUCTIONS



**Hyundai/Kia Data Interface with SWC 2010-2016**

Visit [AxxessInterfaces.com](http://AxxessInterfaces.com) for more detailed information about the product and up-to-date vehicle specific applications

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## INTERFACE COMPONENTS

- AX-HK1 interface
- AX-HK1 harness
- 16-pin harness with stripped leads
- Female 3.5mm connector with stripped leads

## INTERFACE FEATURES

- Provides NAV outputs (parking brake, reverse, speed sense)
- Retains audio controls on the steering wheel
- Retains BlueLink
- Designed for amplified \* and non-amplified models\*\*
- Retains balance and fade
- Micro-B USB updatable

\* Requires the AX-HYKIA-SPDIF (sold separately)

\*\* Bristol Audio Systems not covered Non-amplified models only

## APPLICATIONS

### HYUNDAI

Elantra *	2011-2016
Genesis Coupe *	2013-2016
Santa Fe *	2013-2016
Santa Fe Sport *	2014-2016
Sonata *	2011-2016
Sonata Hybrid *	2011-2015
Tucson *	2010-2015

## KIA

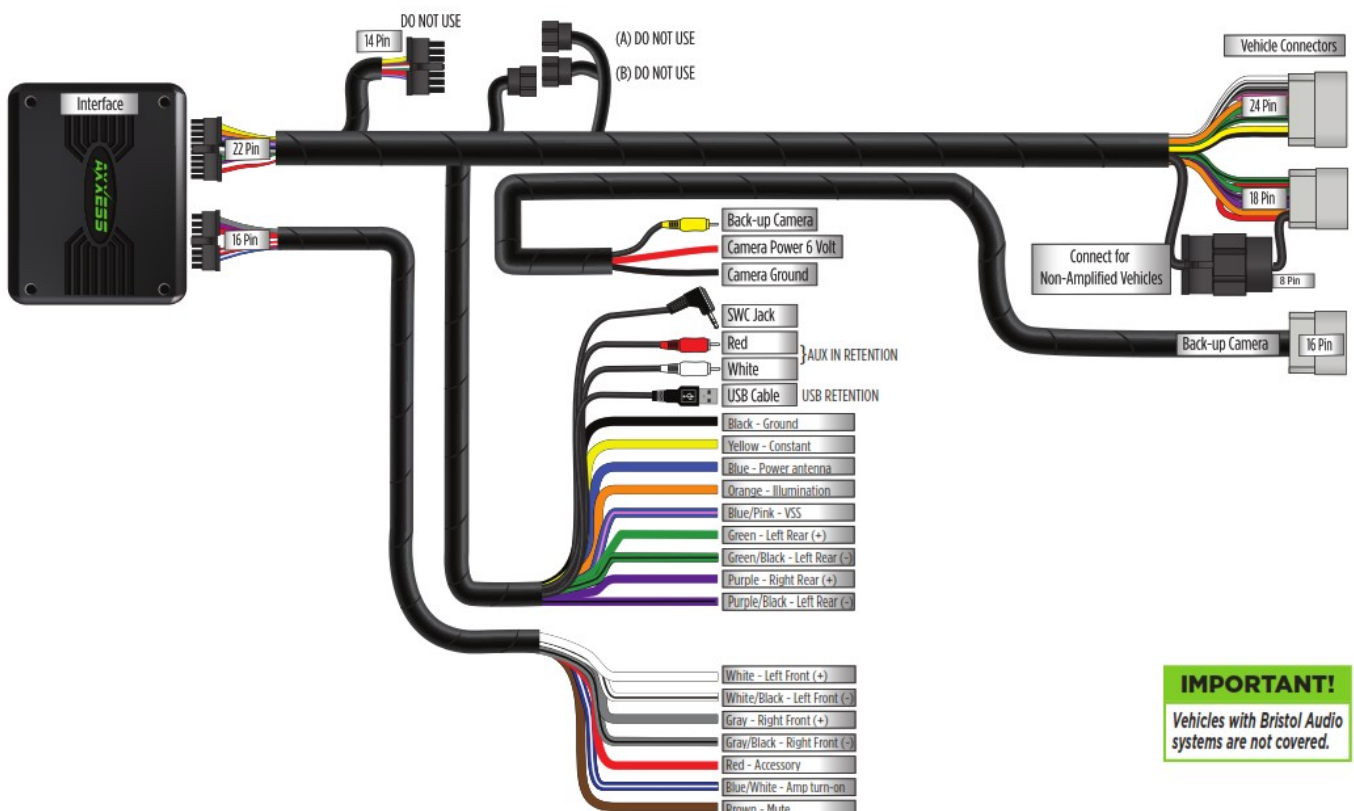
Optima *	2011-2015
Optima Hybrid *	2011-2016
Sorento (with UVO) *	2011-2013
Sorento *	2014-2016
Soul *	2012-2013
Sportage	2011-2016

## TOOLS REQUIRED

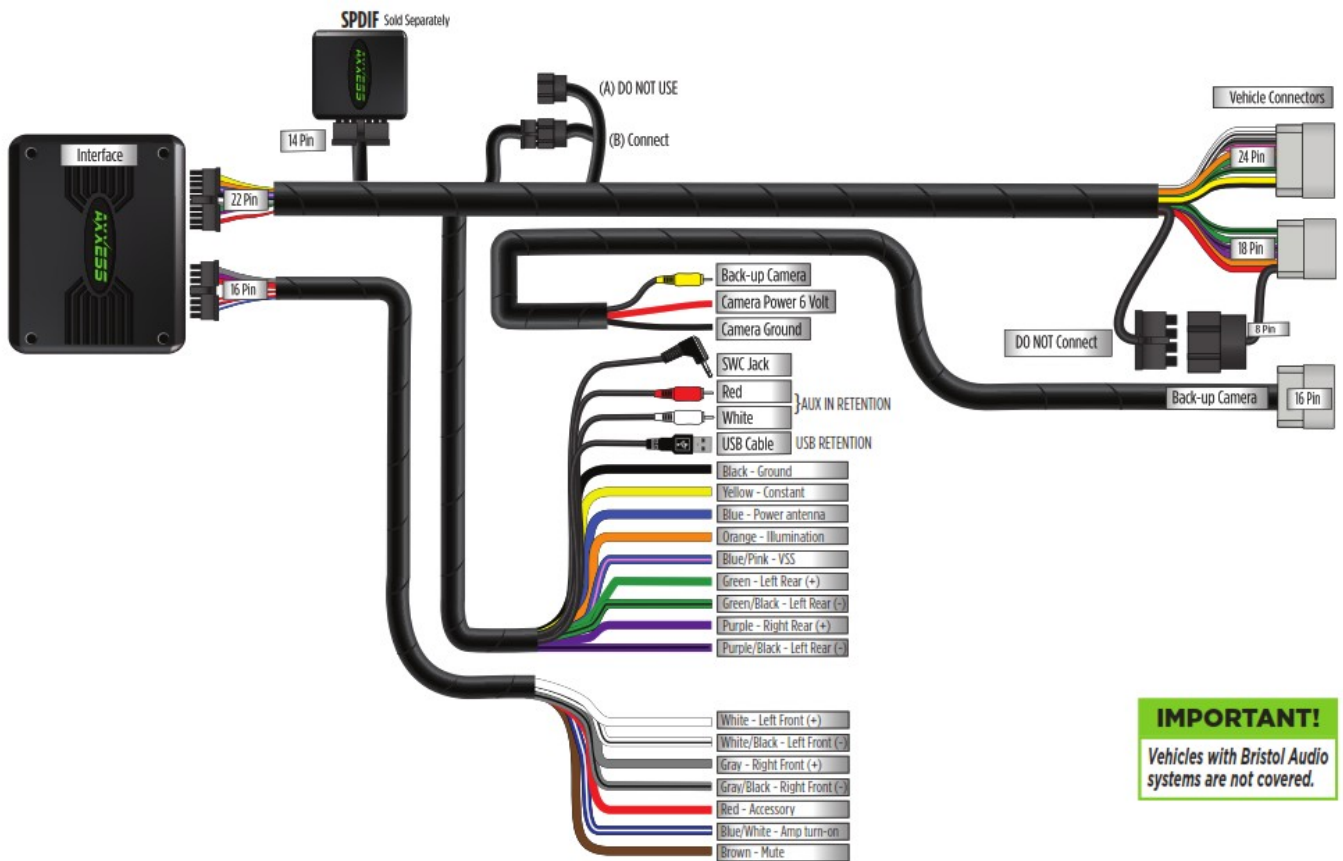
- Crimping tool and connectors, or solder gun, solder, and heat shrink
- Tape
- Wire cutter
- Zip ties

**ATTENTION:** With the key out of the ignition, disconnect the negative battery terminal before installing this product. Ensure that all installation connections are secure before cycling the ignition to test this product. **NOTE:** Refer to the instructions included with the aftermarket radio.

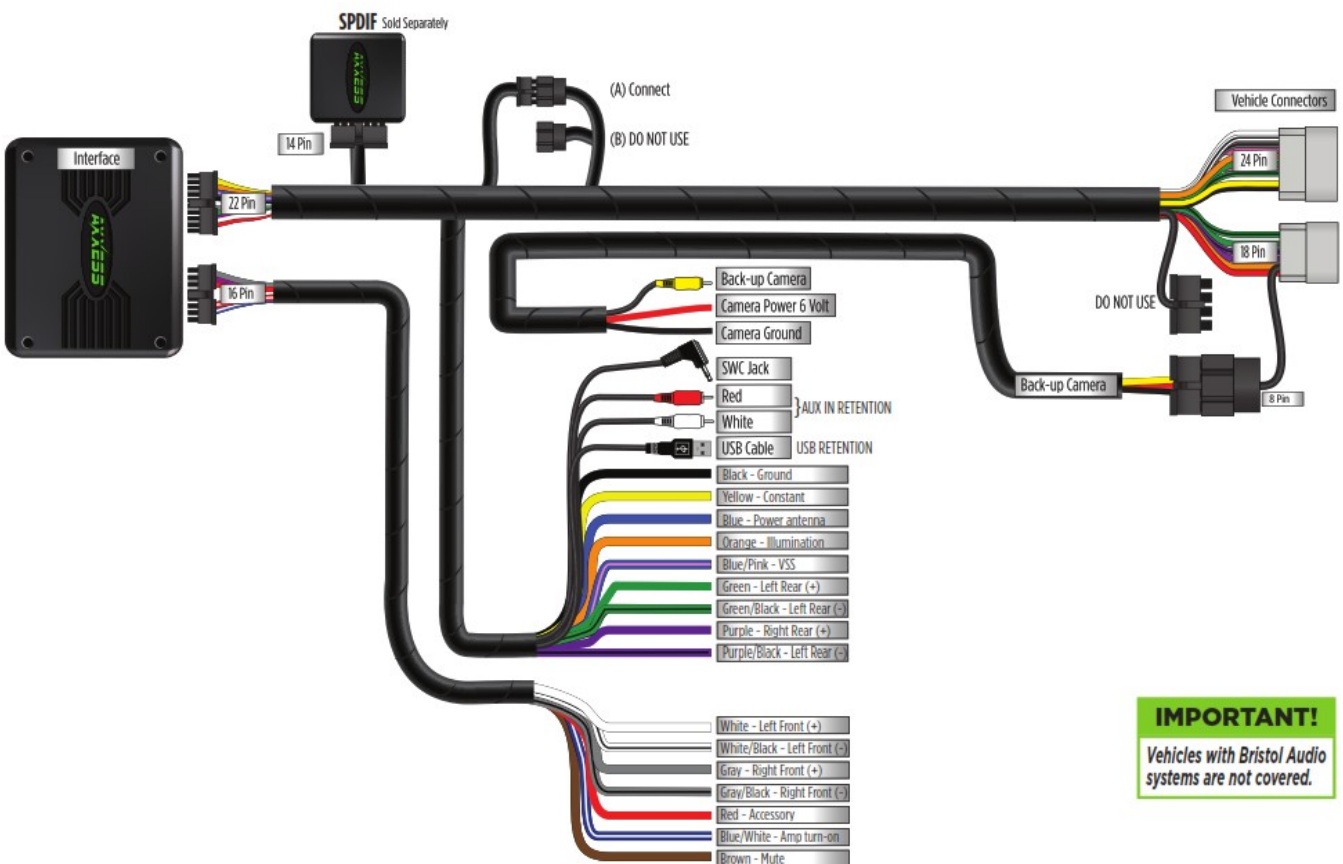
## NON-AMPLIFIED VEHICLES



## AMPLIFIED VEHICLES WITHOUT NAVIGATION



## AMPLIFIED VEHICLES WITH NAVIGATION



## INSTALLATION

With the key in the off position:

- Connect the 16-pin harness with stripped leads, and the AX-HK1 harness, into the AX-HK1 Interface.
- For models equipped with a factory amplifier, connect the AX-HK1-SPDIF (sold separately) to the AX-HK1 interface.

**Attention!** Do not connect the AX-HK1 harness to the vehicle's wiring harness until Step 2 of Programming.

**Attention!** If retaining steering wheel controls, ensure that the jack/wire is connected to the radio before proceeding. If this step is skipped, the interface will need to be reset for the steering wheel controls to function.

#### L.E.D. feedback

The (21) Red L.E.D. flashes represent which brand radio the AX-HK1 detects.

Each flash represents a different radio manufacturer. For example, if you are installing a JVC radio, the AX-HK1 will flash Red (5) times, and then stop.

Following is the L.E.D Feedback Legend a legend that indicates which radio Manufacturer corresponds to which flash.

#### L.E.D. Feedback Legend

Flash Count	Radio	Flash Count	Radio
1	Eclipse (type 1) †	12	Eclipse (type 2) †
2	Kenwood ‡	13	LG
3	Clarion (type 1) †	14	Parrot **
4	Sony / Dual	15	XITE
5	JVC	16	Philips
6	Pioneer / Jensen	17	TBA
7	Alpine *	18	JBL
8	Visteon	19	Insane Audio
9	Valor	20	Magnadyne/Axxera
10	Clarion (type 2) †	21	Boss
11	Metra OE		

**\*Note:** If the AX-HK1 flashes Red (7) times, and you do not have an Alpine radio connected to it, that means the ASWC-1 does not detect a radio connected it. Verify that the 3.5mm jack is connected to the correct steering wheel jack/wire in the radio.




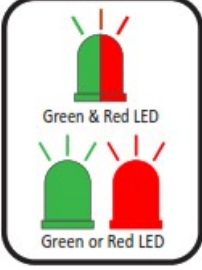

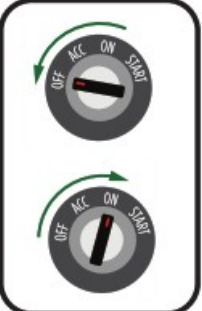
**\*\* Note:** The AX-SWC-PARROT is required (sold separately). Also, the Parrot radio must be updated to rev. 2.1.4 or higher through [www.parrot.com](http://www.parrot.com).

**Note:** If you have a Clarion radio and the steering wheel controls do not work, change the radio type to the other Clarion radio type; same for Eclipse. Refer to the "Programming Information" document online.

**Note:** If you have a Kenwood radio and the L.E.D. feedback comes back as showing as a JVC radio, change the radio type to a Kenwood. Refer to the "Programming Information" document online.

## PROGRAMMING

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.

<p>1.</p> 	<p>Turn on the vehicle.</p>
<p>2.</p> 	<p>Connect the AX-HK1 harness to the wiring harness in the vehicle.</p>
<p>3.</p>  <p>Green LED</p>	<p>The L.E.D. will initially turn solid Green, then turn off for several seconds, while it auto d etects the radio installed.</p>
<p>4.</p>  <p>Green &amp; Red LED</p> <p>Green or Red LED</p>	<p>The L.E.D. will then flash Red up to (21) times, indicating which radio is connected to t he interface, and then turn off for several seconds. The L.E.D. will then turn solid Red, while the interface auto detects the vehicle.</p>
<p>5.</p>  <p>Green &amp; Red LED</p> <p>Green LED</p>	<p>The radio will shut off at this point. This process should take 5 to 30 seconds. Once the vehicle has been auto detected by the interface, the L.E.D. will turn solid Green, and t he radio will come back on, indicating programming was successful.</p>
<p>6.</p> 	<p>Turn the vehicle off then on again to make sure the programming worked.</p>

7.



Test all functions of the installation for proper operation, before reassembling the dash.

## STEERING WHEEL CONTROL SETTINGS

**Attention:** The Axxess Updater App can also be used to program the following (3) sub-sections as well, after the interface has been initialized and programmed.

### Changing radio type

If the LED flash count does not match the radio in the Radio Legend, then the AXDIS-HK1 must be manually programmed:

1. Turn the key to the ignition and after (3) seconds press and hold the Volume-Down button on the steering wheel until the L.E.D. in the AX-HK1 interface turns a solid green.
2. Release the Volume-Down button; the L.E.D. will go out indicating the interface is in Changing Radio Type mode.
3. Press and hold the Volume-Up button until the L.E.D. turns a solid green and then release. Repeat this step until the number of the radio manufacturer from the Radio Legend is reached.
4. Once the desired radio number has been selected, press and hold the Volume-Down button on the steering wheel until the L.E.D. turns a solid green. The L.E.D. will remain on for about (3) seconds, while it stores the new radio information.
5. Once the L.E.D. goes off, the Changing Radio Type mode will then end. You can now test the steering control wheel controls.

**Note:** If at any time the user fails to press any button for a period longer than (10) seconds, this process will abort.

### Remapping

Once the AX-HK1 has been programmed, the button assignment for the steering wheel controls may be reassigned, if so desired. For example, the Seek-Up button can be reprogrammed to be the Mute button. Follow the steps below to remap the steering wheel control buttons:

1. Ensure the AX-HK1 is visible so you can see the L.E.D. flashes to confirm button recognition.  
**Tip:** Turning the radio off is recommended.
2. Within the first 20 seconds of turning the ignition on, press and hold the Volume-Up button on the steering wheel until the L.E.D. turns a solid green.
3. Release the Volume-Up button, the L.E.D. will then go out; The Volume-Up button has now been programmed.
4. Follow the list in the Button Assignment Legend to reference the order in which the steering wheel control buttons need to be programmed.

**Note:** If the next function on the list is not on the steering wheel, press the Volume-Up button for (1) second until the L.E.D. comes on, and then release the Volume-Up button. This will tell the AX-HK1 that this function is

not available and it will move on to the next function.

5. To complete the remapping process, press and hold the Volume-Up button on the steering wheel until the L.E.D. in the AX-HK1 goes out.

### Button assignment legend

1. Volume-Up 2. Volume-Down 3. Seek-Up/Next 4. Seek-Down/Prev 5. Source/Mode 6. Mute	7. Preset-Up 8. Preset-Down 9. Power 10. Band 11. Play/Enter 12. PTT (Push to Talk)	13. On-Hook 14. Off-Hook 15. Fan-Up * 16. Fan-Down * 17. Temp-Up * 18. Temp-Down *
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\* Not applicable in this application

**Note:** Some radios may not have these commands. Please refer to the manual provided with the radio, or contact the radio manufacturer for specific commands recognized by that particular radio.

### Dual assignment (long button press)

The AX-HK1 has the capability to assign (2) functions to a single button, except Volume-Up and Volume-Down. Follow the steps below to program the button(s) to the desired setting.

**Note:** Seek-Up and Seek-Down come pre-programmed as Preset-Up and Preset-Down for a long button press.

1. Turn the key to the ignition but do not start the vehicle.
2. Press and hold the desired steering wheel control button for (10) seconds, or until the L.E.D. flashes rapidly. At this point release the button; the L.E.D. will then turn a solid green.
3. Press and release the Volume-Up button the number of times corresponding to the new button number selected. Refer to the Dual Assignment Legend. The L.E.D. will flash rapidly while the Volume-Up button is being pressed, and then go back to a solid L.E.D. once released. Proceed to the next step once the Volume-Up button has been pressed the desired number of times.

Caution: If more than (10) seconds elapses between pressing the Volume-Up button, this procedure will abort, and the L.E.D. will go out.

4. Press the desired button to store it to memory. The L.E.D. will now go out indicating the new information has been stored to memory.

**Note:** These steps must be repeated for each button desired to assign a dual assignment feature to. To reset a button back to its default state, repeat Step 1, then press the Volume-Down button. The L.E.D. will go out, and the dual assignment feature for that button will be erased.

### Dual assignment legend

1. Not allowed 2. Not allowed 3. Seek-Up/Next 4. Seek-Down/Prev 5. Mode/Source 6. ATT/Mute	7. Preset-Up 8. Preset-Down 9. Power 10. Band 11. Play/Enter 12. PTT	13. On-Hook 14. Off-Hook 15. Fan-Up * 16. Fan-Down * 17. Temp-Up * 18. Temp-Down *
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## TROUBLESHOOTING

### Resetting

1. The Blue reset button is located between the two connectors on the outside of the interface.
2. Press and hold the reset button for 2 seconds, and then let go to reset the interface.
3. Refer to the Programming section from this point.



<http://axxessinterfaces.com/>

Having difficulties? We're here to help.



Contact our Tech Support line at: **1-386-257-1187**



Or via email at: [techsupport@metra-autosound.com](mailto:techsupport@metra-autosound.com)

#### **Tech Support Hours (Eastern Standard Time)**

Monday – Friday: 9:00 AM – 7:00 PM

Saturday: 10:00 AM – 7:00 PM

Sunday: 10:00 AM – 4:00 PM



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## Documents / Resources



[AXXESS AXDIS-HK1 Vehicle Data Interface](#) [pdf] Instruction Manual  
AXDIS-HK1, Vehicle Data Interface, AXDIS-HK1 Vehicle Data Interface

## References

-  [Auto Sound Company Inc - Aftermarket Vehicle Accessory Specialists](#)
-  [Axxess Integrate - Comprehensive Interface Products for Vehicle Upgrades](#)
- P [Parrot | European leader in professional drones](#)

Manuals+.