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

Visit AxxessInterfaces.com for more detailed information about the product and up-to-date vehicle specific applications

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 AXSP-HK-SPDIF (sold separately)*

*** Bristol Audio Systems not covered*

† Non-amplified models only

INTERFACE COMPONENTS

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

APPLICATIONS

HYUNDAI

Elantra *	2011-2016	Sonata *	2011-2016	Optima *	2011-2015
Genesis Coupe *	2013-2016	Sonata Hybrid *	2011-2015	Optima Hybrid *	2011-2016
Santa Fe *	2013-2016	Tucson *	2010-2015	Sorento (with UVO) *	2011-2013
Santa Fe Sport *	2014-2016				

** Without NAV*

KIA

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

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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.

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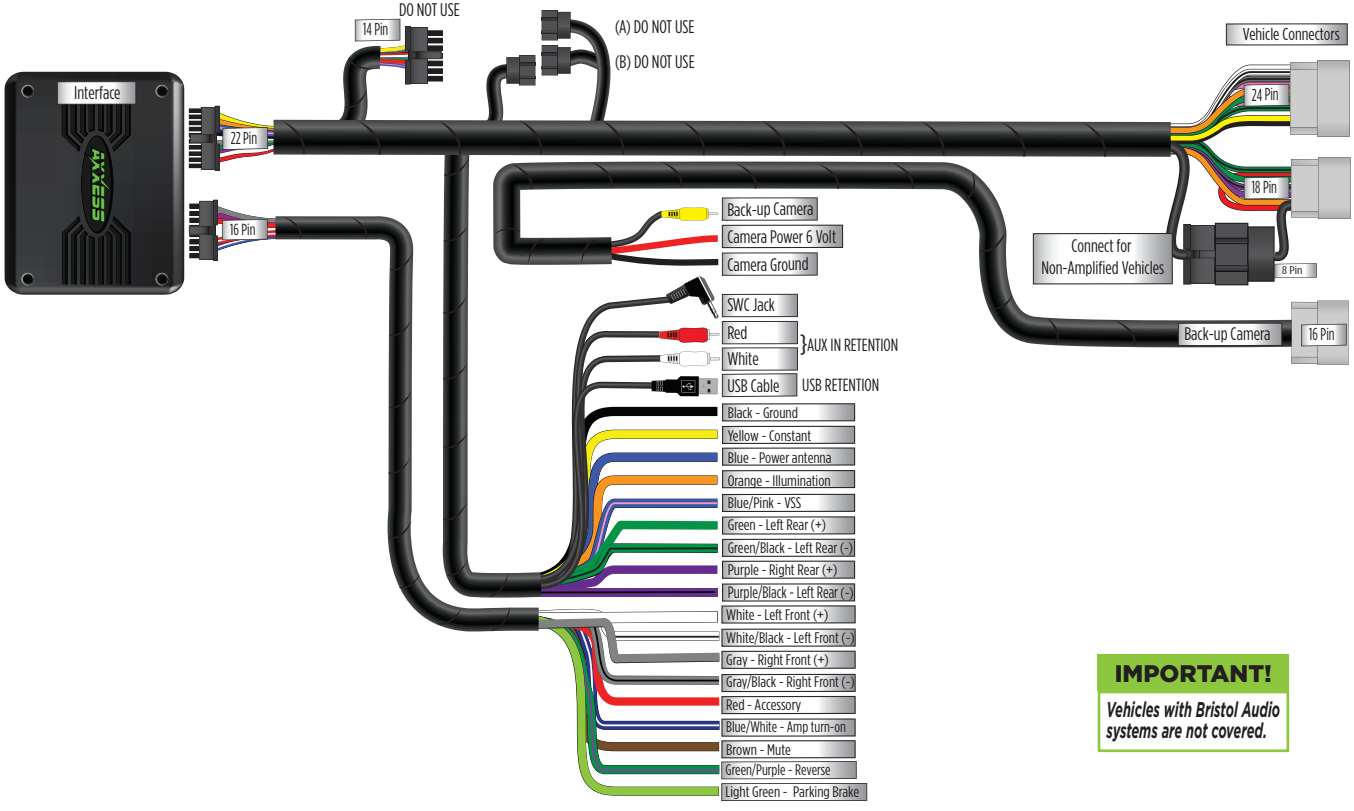
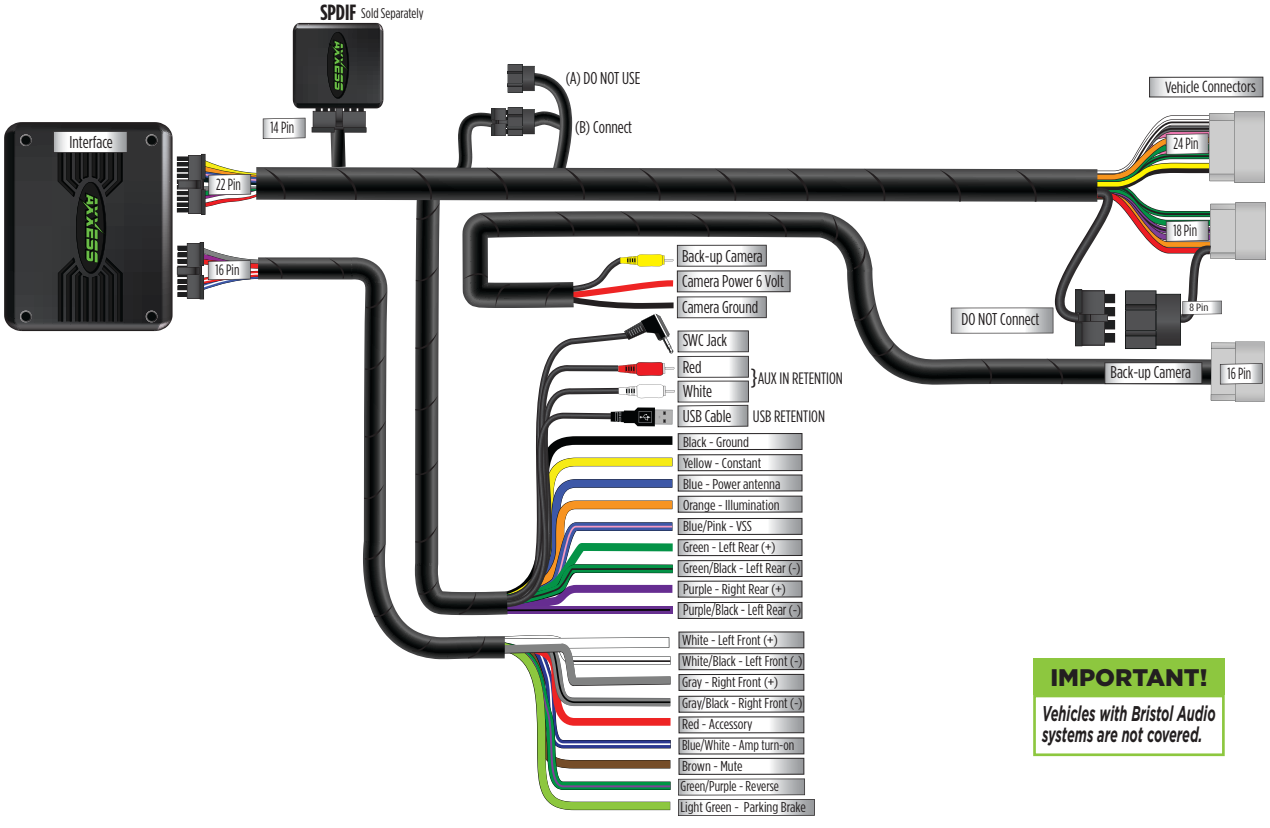
NON-AMPLIFIED VEHICLES



IMPORTANT!

Vehicles with Bristol Audio systems are not covered.

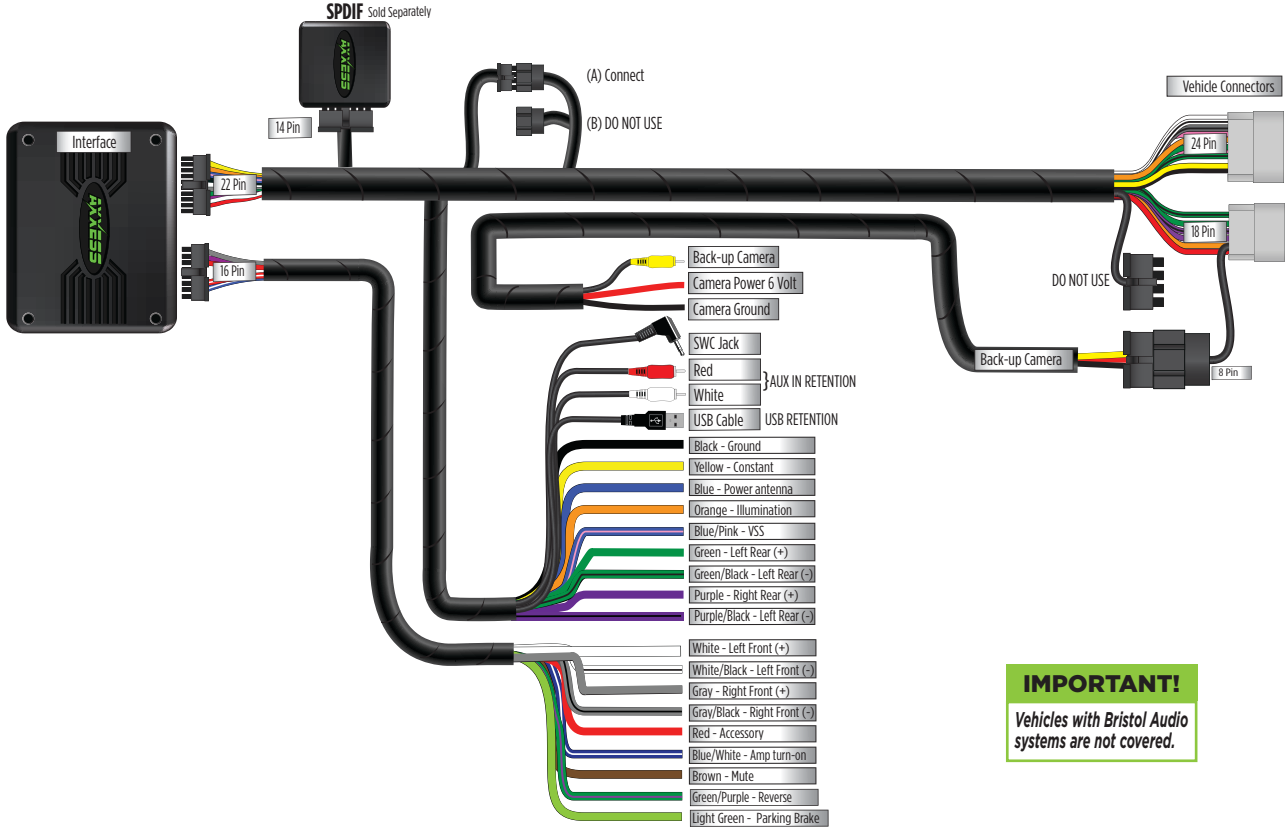
AMPLIFIED VEHICLES WITHOUT NAVIGATION



IMPORTANT!

Vehicles with Bristol Audio systems are not covered.

AMPLIFIED VEHICLES WITH NAVIGATION



IMPORTANT!

Vehicles with Bristol Audio systems are not covered.

With the key in the off position:

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

Attention! *Do not connect the **AXDIS-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 (23) **Red L.E.D.** flashes represent a different radio manufacturer for the **AXXESS steering wheel control interface** (sold separately) to detect. For example, if you are installing a **JVC** radio, the **AXXESS steering wheel control interface** will flash **Red** (5) times, then stop. Following is the **L.E.D Feedback Legend**, which indicates the flash count of the radio manufacturer.

KEYNOTES

* If the **AXXESS steering wheel control interface** flashes **Red** (7) times, and an **Alpine** radio is not installed, that means there is an open connection not accounted for. Verify that the 3.5mm jack is connected to the correct steering wheel jack/wire in the radio.

** The **AX-SWC-PARROT** is required (sold separately). Also, the software in the radio must be rev. 2.1.4 or higher.

† If a **Clarion** or **Eclipse** radio is installed and the steering wheel controls do not function, change the radio to **Clarion (type 2)** or **Eclipse (type 2)** respectively. If the steering wheel controls still do not function, refer to the **Changing Radio Type** document available at axxessinterfaces.com.

‡ If a **Kenwood** radio is installed and the L.E.D. feedback flashes (5) times instead of (2), manually change the radio type to **Kenwood**. To do this, refer to the **Changing Radio Type** document available at axxessinterfaces.com.

L.E.D. Feedback Legend

Flash Count	Radio
1	Eclipse (type 1) †
2	Kenwood ‡
3	Clarion (type 1) †
4	Sony / Dual
5	JVC
6	Pioneer / Jensen
7	Alpine *
8	Visteon
9	Valor
10	Clarion (type 2) †
11	Metra OE
12	Eclipse (type 2) ‡

Flash Count	Radio
13	LG
14	Parrot **
15	XITE
16	Philips
17	TBA
18	JBL
19	Insane
20	Magnadyne
21	Boss
22	Axxera
23	Axxerra (type 2)

Continued on the next page

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.

1.

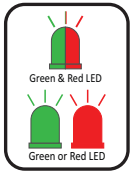
Turn on the vehicle.

2.

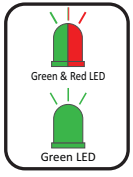
Connect the **AXDIS-HK1** harness to the wiring harness in the vehicle.

3.

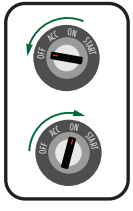
The L.E.D. will initially turn solid Green, then turn off for several seconds, while it auto detects the radio installed.

4. 

The L.E.D. will then flash Red up to (21) times, indicating which radio is connected to the interface, and then turn off for several seconds. The L.E.D. will then turn solid Red, while the interface auto detects the vehicle.

5. 

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 the radio will come back on, indicating programming was successful.

6. 

Turn the vehicle off then on again to make sure the programming worked.

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 **AXDIS-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 **AXDIS-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 **AXDIS-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 **AXDIS-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 **AXDIS-HK1** goes out.

Continued on the next page

STEERING WHEEL CONTROL SETTINGS *(CONT.)*

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 *

** 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 **AXDIS-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.*

STEERING WHEEL CONTROL SETTINGS *(CONT.)*

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 *

** Not applicable in this application*

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.

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

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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