



TOOLS REQUIRED

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

INTERFACE COMPONENTS

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

APPLICATIONS

See next page

Radio Replacement Data Interface w/SWC

Fits Select Hyundai/Kia Models 2011-2016

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

INTERFACE FEATURES

- Designed for amplified* and non-amplified** systems
- Provides accessory power (12-volt 10-amp)
- Retains R.A.P. (Retained Accessory Power)
- Provides NAV outputs (speed sense)
- Retains audio controls on the steering wheel
- Retains BlueLink[®] if equipped
- Retains balance & fade (non-amplified models only)
- Micro “B” USB updatable

*Requires the AXSP-HK (sold separately)

**Bristol audio systems not covered

For **Dash Disassembly Instructions**, refer to metraonline.com. Enter the year, make, and model of the vehicle in the **Vehicle Fit Guide** for **Radio Install Kits**.

www.MetraOnline.com



Product Info



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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.

APPLICATIONS

HYUNDAI

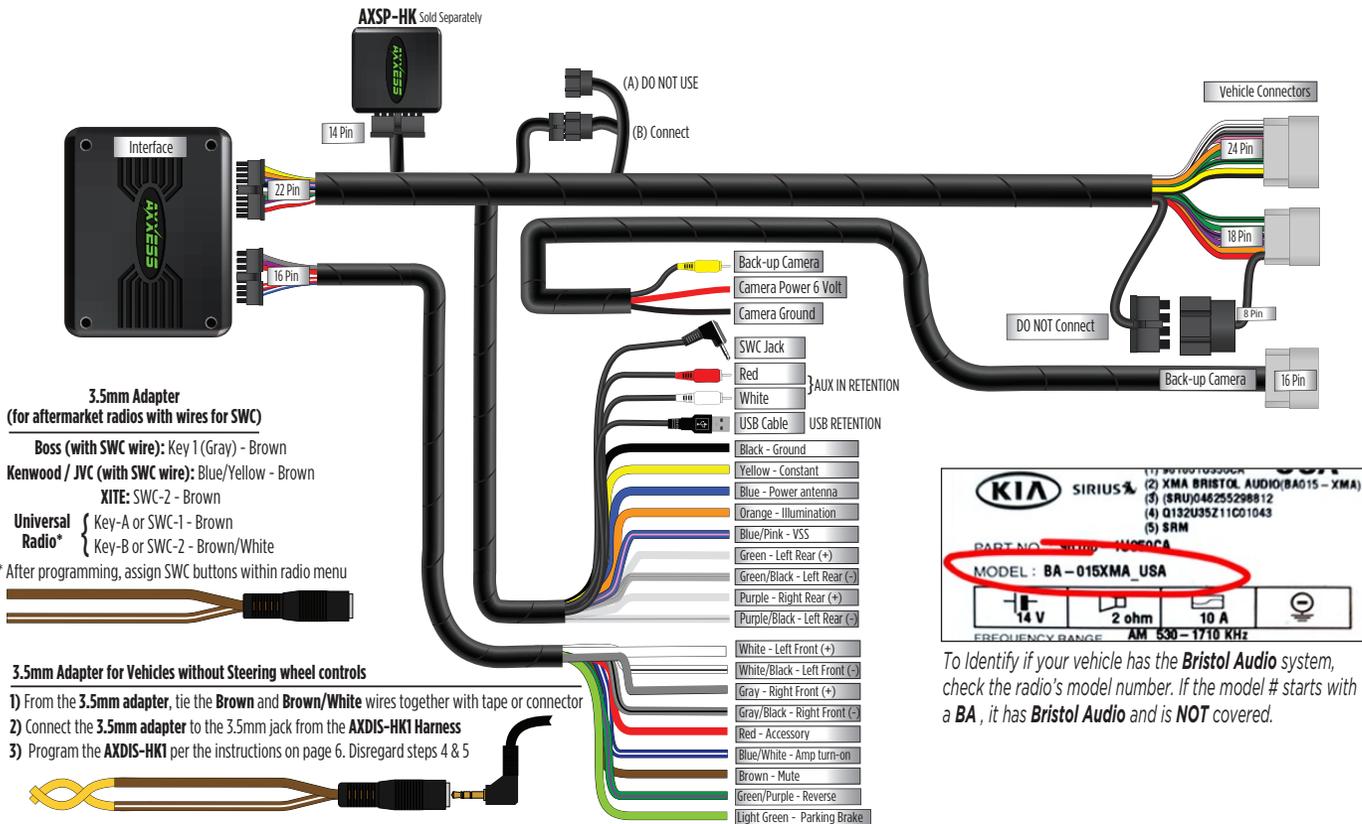
Elantra2014-2016
Elantra (Non-NAV)2011-2013
Genesis Coupe.....2013
Genesis Coupe (Non-NAV).....2013-2016
Santa Fe / Sport (Non-NAV)2013-2016

Sonata.....2011-2016
Sonata Hybrid (Non-NAV)2011-2015
Tucson (Non-NAV).....2011-2015

KIA

Optima (Non-NAV)2014-2015
Optima.....2011-2013
Sorento (Non-NAV)2014-2016
Sorento (Non-NAV, w/ UVO)2011-2013
Soul (Non-Nav).....2012-2013
Sportage.....2011-2016

CONNECTIONS: AMPLIFIED VEHICLES WITHOUT NAVIGATION



INSTALLING THE AXDIS-HK1

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** (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.

PROGRAMMING THE AXDIS-HK1

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

1. Start the vehicle.
2. Connect the **AXDIS-HK1 harness** to the wiring harness in the vehicle.
3. The LED will initially turn on solid **Green**, then turn off for a few second while detecting the radio.
4. The LED will then flash **Red & Green** in different patterns (see chart) indicating which radio is connected to the interface, and then turn off for a couple of seconds. Pay close attention to the **RED & Green** LED pattern. This will help in troubleshooting, if need be. Refer to the **LED Feedback** section for more information.
5. After a couple seconds the LED will turn on solid **Red** while the interface auto detects the vehicle. The radio will shut off at this point. The process should take 5 to 30 seconds.
6. Once the vehicle has been auto detected by the interface, the LED will turn on solid **Green**, then the radio will come back on, indicating that programming was successful.
7. Test all functions of the installation for proper operation, before reassembling the dash. If the interface fails to function, refer to the **Troubleshooting** section.

Note: The LED will turn on solid **Green** for a moment, then turn off under normal operation after the key has been cycled.

STEERING WHEEL CONTROL SETTINGS: LED FEEDBACK

RADIO	LED PATTERN	
Pioneer/Jensen	G	
JVC	R	
KENWOOD	GG	
SONY/DUAL	GR	
Reserved for future use	RG	
ALPINE	RR	
ALPINE (type 2)	GGG	
AXXERA	GGR	
AXXERA (type 2)	GRG	
MAGNADYNE	GRR	

- 1) If the LED pattern shows **JVC**, but a **JVC** radio isn't installed, change the radio type to Kenwood. Refer to the **Changing Radio Type** document.
- 2) If the LED pattern shows **Alpine**, but an **Alpine** radio isn't installed, make sure the 3.5mm jack is plugged into the radio.
- 3) If no SWC, change the radio type to the opposite radio type. Refer to the **Changing Radio Type** document.

RADIO	LED PATTERN	
BOSS	RGG	
Reserved for future use	RGR	
CLARION (type 1)	RRG	
CLARION (type 2)	RRR	
Reserved for future use	GGGG	
Reserved for future use	GGGR	
Reserved for future use	GGRG	
Reserved for future use	GRRR	
Reserved for future use	GRGG	
Reserved for future use	GRGR	
Resistive Radio #1	GRRG	
Resistive Radio #2	GRRR	
Resistive Radio #3	RGGG	
Resistive Radio #4	RGGR	
Resistive Radio #5	RGRG	
Resistive Radio #6	RGRR	

STEERING WHEEL CONTROL SETTINGS: CHANGING RADIO TYPE

Attention! The Axxess Updater App can also be used to program the following (3) sub-sections as well, pending that the **AXDIS-HK1** interface has been programmed.

Changing Radio Type

If the LED flashes do not match the radio you have connected, you must manually program the **AXDIS-HK1** to tell it what radio it is connected to.

1. After (3) seconds of turning the key on, press and hold the **Volume-Down** button on the steering wheel until the LED in the **AXDIS-HK1** goes solid.
2. Release the **Volume-Down** button; the LED will go out indicating the interface is in Changing Radio Type mode.
3. Refer to the **Radio Legend** to know which radio number you would like to have programmed.
4. Press and hold the **Volume-Up** button until the LED goes solid, and then release. Repeat this step for the desired radio number you have selected.
5. Once the desired radio number has been selected, press and hold the **Volume-Down** button on the steering wheel until the LED goes solid. The LED will remain on for about (3) seconds while it stores the new radio information.
6. Once the LED goes out, 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.

Flash Count Radio Legend

1 PIONEER/JENSEN	10 MAGNADYNE	19 Reserved
2 JVC	11 BOSS	20 Reserved
3 KENWOOD	12 Reserved	21 Resistive Radio #1
4 SONY/DUAL	13 CLARION (type 1)	22 Resistive Radio #2
5 Reserved	14 CLARION (type 2)	23 Resistive Radio #3
6 ALPINE	15 Reserved	24 Resistive Radio #4
7 ALPINE (type 2)	16 Reserved	25 Resistive Radio #5
8 AXXERA	17 Reserved	26 Resistive Radio #6
9 AXXERA (type 2)	18 Reserved	

STEERING WHEEL CONTROL SETTINGS: REMAPPING

Remapping the steering wheel control buttons

Once the **AXDIS-HK1** has been programmed, the **Button Assignment** for the steering wheel controls may be reassigned if so desired. For example, if the **Seek-Up** button is preferred to be the **Mute** button instead. Follow the steps below to remap the steering wheel control buttons.

1. Ensure the **AXDIS-HK1** is visible so you can see the LED flashes to confirm button recognition.

Tip: Turning the radio off is recommended.

2. Within the first twenty seconds of turning the ignition on, press and hold the **Volume-Up** button on the steering wheel until the LED goes solid.

3. Release the **Volume-Up** button, the LED 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 LED comes on to skip that function, 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 LED in the **AXDIS-HK1** goes out.

Button Assignment Legend

Function #	Function	Function #	Function
1	Volume-Up	10	Band
2	Volume-Down	11	Play/Enter
3	Seek-Up/Next	12	PTT (Push to Talk)
4	Seek-Down/Prev	13	On-Hook
5	Source/Mode	14	Off-Hook
6	Mute	15	Fan-Up *
7	Preset-Up	16	Fan-Down *
8	Preset-Down	17	Temp-Up *
9	Power	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.

STEERING WHEEL CONTROL SETTINGS: DUAL ASSIGNMENT

Dual Assignment Instructions (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 your liking.

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

1. Turn on the ignition but do not start the vehicle.
2. Press and hold down the steering wheel control button that you want to assign a long press function to for about (10) seconds, or until the LED flashes rapidly. At this point release the button; the LED will then go solid.
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 LED will flash rapidly while the **Volume-Up** button is being pressed, and then go back to a solid LED once released. Go 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 LED will go out.*

4. To store the long press button in memory, press the button that you assigned a long press button to (the button held down in Step 2). The LED will now go off indicating the new information has been stored.

Note: *These steps must be repeated for each button you would like to assign a dual purpose feature to. To reset a button back to its default state, repeat Step 1, and then press the **Volume-Down** button. The LED will go out, and the long press mapping for that button will be erased.*

Dual Assignment Legend

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

* Not applicable in this application

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.

IMPORTANT! If you wire up this interface into a vehicle with **Bristol Audio** your *Brake Light Fuse will blow*. This interface is not designed for Bristol Audio.

Uninstall the interface and replace the brake light fuse.



AXDIS-HK1

INSTALLATION INSTRUCTIONS



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 - 5:00 PM

Sunday: 10:00 AM - 4:00 PM



**Metra recommends MECP
certified technicians**