Hyundai/Kia **Data Interface with SWC**
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 models**
- Provides NAV outputs (parking brake, reverse, speed sense)
- Retains audio controls on the steering wheel
- Retains BlueLink®   • Retains balance and fade***
- Micro-B USB updatable

* Requires the AXSP-HK (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	2014-2016
Elantra (Non-NAV)	2011-2013
Genesis Coupe	2013-2013
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
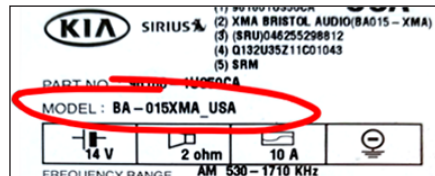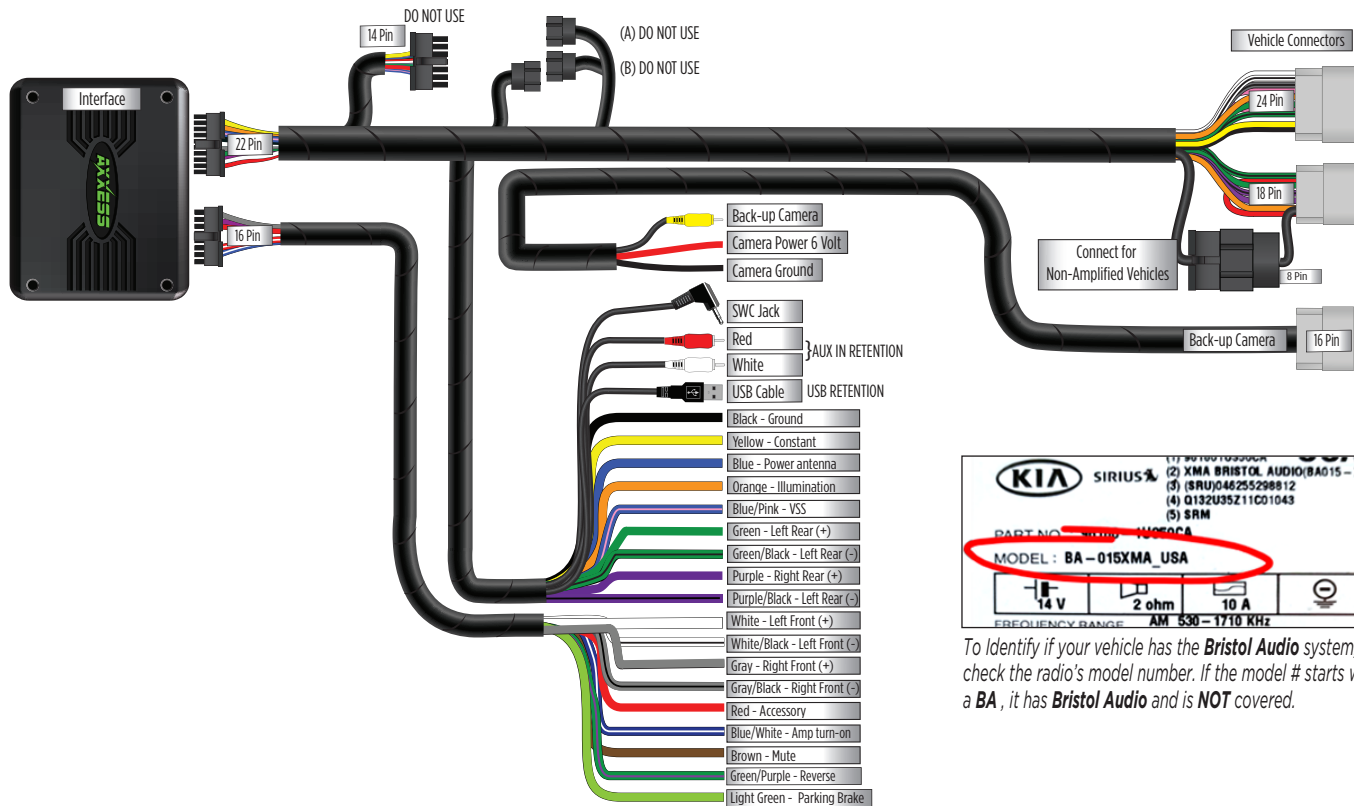|	
Optima (Non-NAV)	2014-2015
Optima	2011-2013
Sorento (Non-NAV)	2014-2016
Sorento (Non-NAV, w/ UVO)	2011-2013
Soul (Non-Nav)	2012-2013
Sportage	2011-2016

TABLE OF CONTENTS

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.
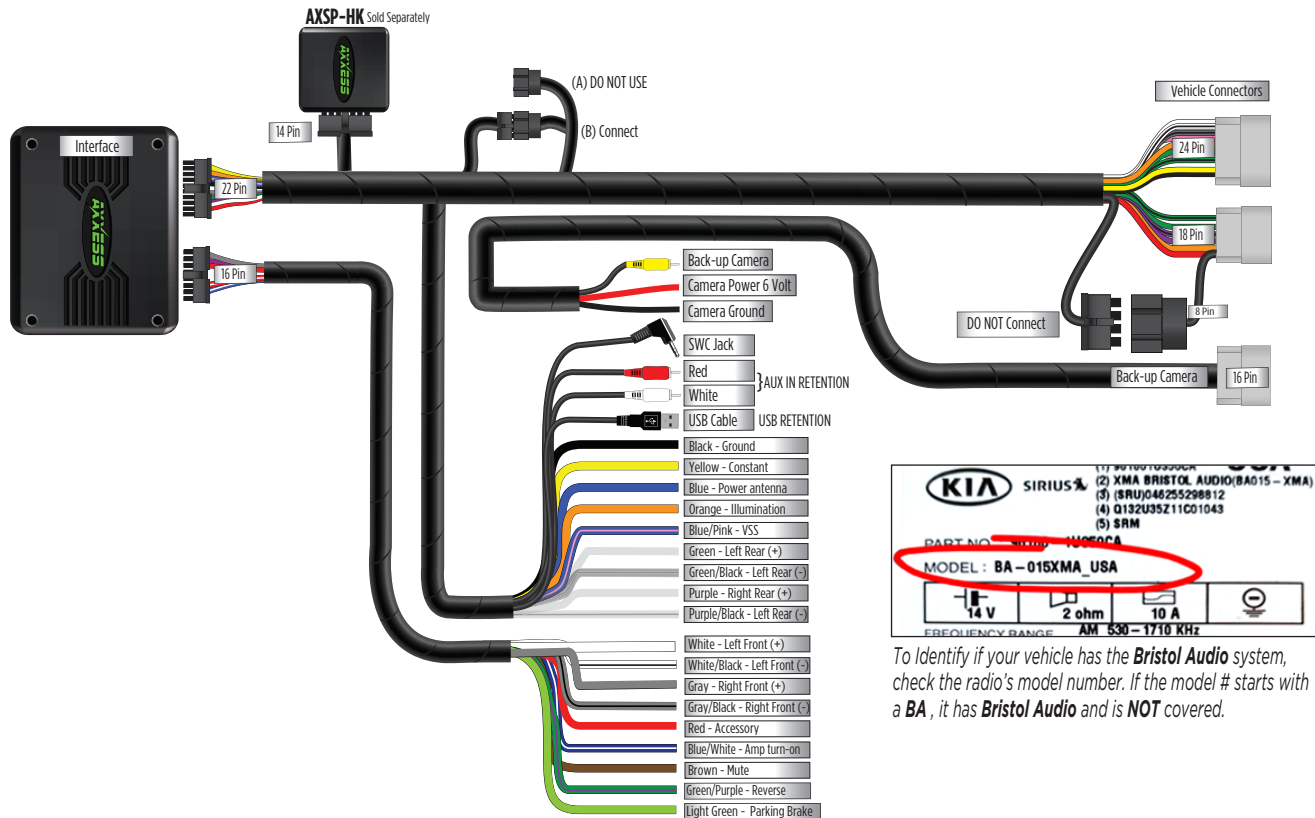*NOTE: Refer to the instructions included with the aftermarket radio.*

DO NOT USE

14 Pin

(A) DO NOT USE

(B) DO NOT USE

Vehicle Connectors

24 Pin

Interface

22 Pin

18 Pin

16 Pin

Back-up Camera
Camera Power 6 Volt
Camera Ground

Connect for
Non-Amplified Vehicles

8 Pin

SWC Jack
Red
White
} AUX IN RETENTION

Back-up Camera   16 Pin

USB Cable   USB RETENTION

Black - Ground
Yellow - Constant
Blue - Power antenna
Orange - Illumination
Blue/Pink - VSS
Green - Left Rear (+)
Green/Black - Left Rear (-)
Purple - Right Rear (+)
Purple/Black - Left Rear (-)
White - Left Front (+)
White/Black - Left Front (-)
Gray - Right Front (+)
Gray/Black - Right Front (-)
Red - Accessory
Blue/White - Amp turn-on
Brown - Mute
Green/Purple - Reverse
Light Green - Parking Brake

KIA SIRIUS

(1) 9018010950CA
(2) XMA BRISTOL AUDIO(BA015 – XMA)
(3) (SRU)046255298812
(4) Q132U35Z11C01043
(5) SRM

PART NO

MODEL : BA – 015XMA_USA

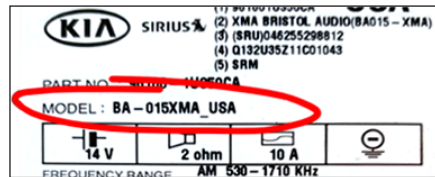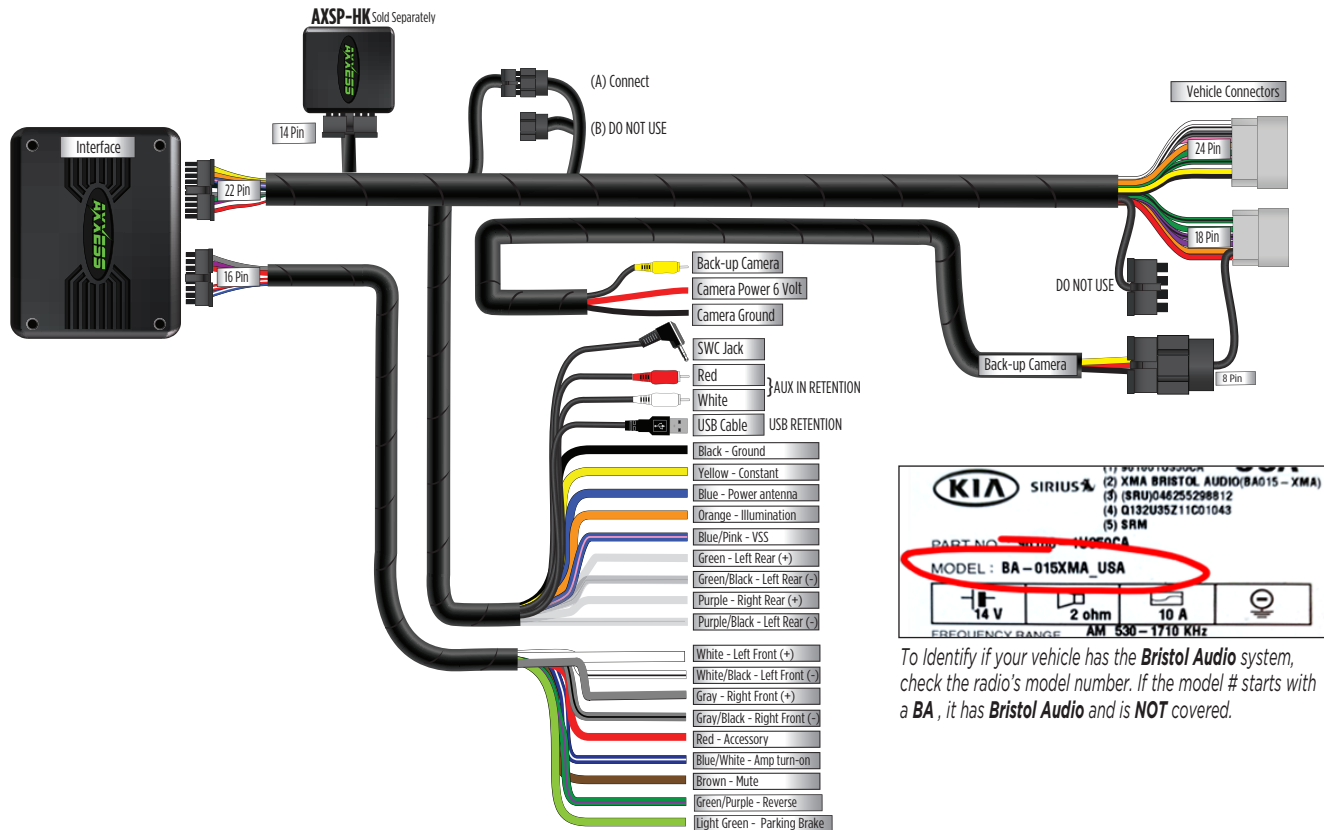14 V   2 ohm   10 A

FREQUENCY RANGE   AM 530 – 1710 KHz

*To Identify if your vehicle has the **Bristol Audio** system, check the radio's model number. If the model # starts with a **BA** , it has **Bristol Audio** and is **NOT** covered.*

AXXESS

AMPLIFIED VEHICLES WITHOUT NAVIGATION

AXSP-HK Sold Separately

14 Pin

Interface

22 Pin

16 Pin

(A) DO NOT USE

(B) Connect

Vehicle Connectors

24 Pin

18 Pin

DO NOT Connect

8 Pin

Back-up Camera

Camera Power 6 Volt

Camera Ground

SWC Jack

Red
White
} AUX IN RETENTION

USB Cable   USB RETENTION

Back-up Camera   16 Pin

Black - Ground
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Brown - Mute
Green/Purple - Reverse
Light Green - Parking Brake

KIA SIRIUS

(1) 9010010990CA
(2) XMA BRISTOL AUDIO(BA015 − XMA)
(3) (SRU)046255298812
(4) Q132U35Z11C01043
(5) SRM

PART NO   WWWW 1V050CA

MODEL : BA − 015XMA_USA

14 V   2 ohm   10 A

FREQUENCY RANGE   AM 530 − 1710 KHz

*To Identify if your vehicle has the **Bristol Audio** system, check the radio's model number. If the model # starts with a **BA** , it has **Bristol Audio** and is **NOT** covered.*

AXSP-HK Sold Separately

Interface

14 Pin

22 Pin

16 Pin

(A) Connect

(B) DO NOT USE

Vehicle Connectors

24 Pin

18 Pin

DO NOT USE

Back-up Camera

8 Pin

Back-up Camera

Camera Power 6 Volt

Camera Ground

SWC Jack

Red

White
} AUX IN RETENTION

USB Cable   USB RETENTION

Black - Ground
Yellow - Constant
Blue - Power antenna
Orange - Illumination
Blue/Pink - VSS
Green - Left Rear (+)
Green/Black - Left Rear (−)
Purple - Right Rear (+)
Purple/Black - Left Rear (−)

White - Left Front (+)
White/Black - Left Front (−)
Gray - Right Front (+)
Gray/Black - Right Front (−)
Red - Accessory
Blue/White - Amp turn-on
Brown - Mute
Green/Purple - Reverse
Light Green − Parking Brake

KIA SIRIUS

(1) 9618010990CA
(2) XMA BRISTOL AUDIO(BA015 − XMA)
(3) (SRU)046255298812
(4) Q132U35Z11C01043
(5) SRM

PART NO.

MODEL : BA − 015XMA_USA

14 V   2 ohm   10 A

FREQUENCY RANGE   AM 530 − 1710 KHz

*To Identify if your vehicle has the **Bristol Audio** system, check the radio's model number. If the model # starts with a **BA** , it has **Bristol Audio** and is **NOT** covered.*

AXXESS

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.*

LED Feedback: The (24) **Red LED** 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 LED 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**.
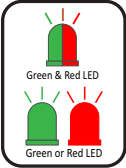
LED Feedback Legend

Flash Count	Radio	Flash Count	Radio
1	Eclipse (type 1) †	13	LG
2	Kenwood ‡	14	Parrot **
3	Clarion (type 1) †	15	XITE
4	Sony / Dual	16	Philips
5	JVC	17	TBA
6	Pioneer / Jensen	18	JBL
7	Alpine *	19	Insane
8	Visteon	20	Magnadyne
9	Valor	21	Boss
10	Clarion (type 2) †	22	Axxera
11	Metra OE	23	Axxerra (type 2)
12	Eclipse (type 2) †	24	Alpine (type 2)
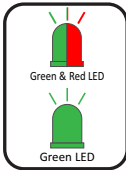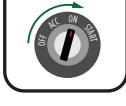
For the steps below, the LED located inside the interface can only be seen while active. The interface does not need to be opened to see the LED

1. Turn on the vehicle.

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

3. The LED will initially turn solid **Green**, then turn off for several seconds, while it auto detects the radio installed.
Note: If the vehicle is Non-Amplified, press and hold VOLUME UP while the Green light is on solid.

Green LED

4. The LED will then flash **Red** up to (24) times, indicating which radio is connected to the interface, and then turn off for several seconds. The LED will then turn solid **Red**, while the interface auto detects the vehicle.

Green & Red LED
Green or Red LED

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 LED will turn solid **Green**, and the radio will come back on, indicating programming was successful.

Green & Red LED
Green LED

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.

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 LED in the **AXDIS-HK1** interface turns a solid green.

2. Release the Volume-Down button; the LED will go out indicating the interface is in Changing Radio Type mode.

3. Press and hold the Volume-Up button until the LED 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 LED turns a solid green. The LED will remain on for about (3) seconds, while it stores the new radio information.

5. Once the LED 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 LED 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 LED turns a solid green.

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, 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

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 LED flashes rapidly. At this point release the button; the LED 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 LED will flash rapidly while the Volume-Up button is being pressed, and then go back to a solid LED 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 LED will go out.*

4. Press the desired button to store it to memory. The LED 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 LED 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 *

* 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.

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

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MOBILE ELECTRONICS
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Metra recommends MECP certified technicians