



INSTALLATION INSTRUCTIONS FOR PART HYKIA-01

HYKIA-01

**Read Important Warning on page 1
before attempting any installation**

Hyundai and Kia 2010-up SPDIF amplifier interface

- Retains amplified SPDIF sound system
- Retains fade and balance
- Provides navigation outputs
- Retains OEM steering wheel controls (if equipped)
- USB updatable

Applications

Hyundai

Tuscon (*non-NAV only*) 2010-up
Sonata 2010-up

Kia

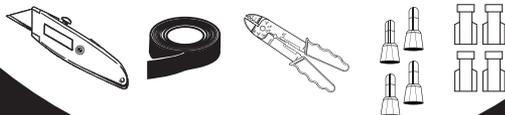
Optima 2010-up
Sorento (*non-NAV only*) 2011-up
Sportage 2011-up

Interface Components

- HYKIA-01 Interface
- 16-pin harness with stripped leads
- 10-pin to 24- & 18-pin connector
- Female 3.5 mm jack

Tools required for installation

- Cutting Tool • Tape • Crimping Tool • Connectors
(ie. butt connectors, bell caps, etc.)
- Female Spade connectors (optional) • SPDT Relay (optional)



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Caution

Metra recommends disconnecting the negative battery terminal before beginning any installation. All accessories, switches, and especially air bag indicator lights must be plugged in before reconnecting the battery or cycling the ignition.

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



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Metra recommends MECP certified technicians



Connections on the interface

From the 16-pin harness:

- Connect the **Blue/White** wire to the amp turn on wire of the aftermarket radio.
- Connect the **White** wire to the left front positive speaker output of the aftermarket radio
- Connect the **White/Black** wire to the left front negative speaker output of the aftermarket radio
- Connect the **Gray** wire to the right front positive speaker output of the aftermarket radio
- Connect the **Gray/Black** wire to the right front negative speaker output of the aftermarket radio
- Connect the **Green** wire to the left rear positive speaker output of the aftermarket radio
- Connect the **Green/Black** wire to the left rear negative speaker output of the aftermarket radio
- Connect the **Purple** wire to the right rear positive speaker output of the aftermarket radio
- Connect the **Purple/Black** wire to the right rear negative output of the aftermarket radio (if equipped)
- Connect the **Light Green** wire to the parking brake wire of the aftermarket navigation radio (if equipped).
- Connect the **Green/Purple** wire to the reverse wire of the aftermarket navigation radio (if equipped).



Connections on the interface (cont.)

10-pin to 24- and 18-pin connector

1. From the 10-pin harness:

- *Connect the male 3.5mm jack to the aftermarket radio's SWC input (if equipped)*

If you are using an Eclipse or Kenwood radio, plug the female 3.5mm connector with the **Brown** and **Brown/White** wires into the male 3.5mm connector of the ASWC harness.

***For Kenwood/JVC radios:**

Connect the Kenwood/JVC SWC wire (normally **Blue/Yellow**) to the **Brown** wire of the ASWC. Isolate and tape the **Brown/White** wire, it will not be used.

***For Eclipse radios:**

Connect the Eclipse SWC wires (Normally **Brown** and **Brown/Black**) to the **Brown** and **Brown/White** wires of the ASWC. **Brown** goes to **Brown** and **Brown/White** goes to **Brown/Black**.

For all other radios, plug in the male 3.5mm connector of the ASWC into the back of the aftermarket radio, designated for an external SWC control interface. Please refer to the aftermarket radios manual if you are in doubt where the 3.5mm connector of the ASWC goes.



Connections on the interface (cont.)

2. From the 24-pin harness:

- Connect the **Yellow** wire to the 12-volt constant/battery wire of the aftermarket radio
- Connect the **Black** wire to the ground wire of the aftermarket radio
- Connect the **Red** wire to the ignition/accessory wire of the aftermarket radio
- Connect the **Blue/Pink** wire to the VSS or speed sense wire of the aftermarket navigation radio.

3. From the 18-pin harness:

- Connect the **Orange** wire to the illumination wire of the aftermarket radio. If the aftermarket radio has no illumination wire tape off the **Orange** wire.
- Connect the **Blue** wire to the power antenna wire of the aftermarket radio. If the aftermarket radio does not have a power antenna wire tape off the **Blue** wire.

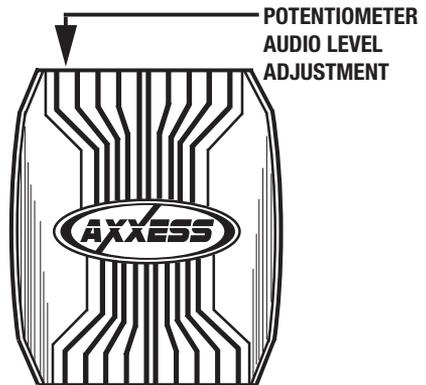


Installing the HYKIA-01

1. With all the connections completed, plug the 16-and 10-pin harnesses into the HYKIA-01.
2. Plug the 24- and 18-pin harness into the vehicle side harness, and plug the aftermarket radio harness into the aftermarket radio.
3. *Reconnect the negative battery terminal.*
4. Cycle the key by turning the ignition on for 30-seconds, then back off, then back on again to test the radio.

Testing and adjusting the HYKIA-01

1. Turn the aftermarket radio on.
2. Set potentiometer all the way to the left.
3. *Set radio to desired level*
4. *Adjust the potentiometer to the right until the radio's audio level is high and free of distortion.*
5. *Reassemble dash and enjoy your new radio.*





Programming the SWC

Initial SWC programming of HYKIA-01

1. Turn on the ignition and radio
2. The HYKIA-01 will start to blink fast during the Car/Radio detection phase
3. Press and hold the volume up button on the steering wheel for 10-seconds to lock in the vehicle
4. After the unit detects the car it will begin searching for a radio
5. The LED on the 16-pin side of the interface will go off when finished
6. The LED will blink the corresponding number to indicate the radio type found. (see chart below)

1st led flash is for Eclipse

2nd led flash is for Kenwood

3rd led flash is for Clarion

4th led flash is for Sony and Dual

5th led flash is for JVC

6th led flash is for Pioneer and Jensen

*7th led flash is for Alpine**

8th led flash is for Visteon

9th led flash is for Valor

10th led flash is for Clarion 5v

** Note: If the LED flashes 7 times and you do not have an Alpine radio connected to it that means that the HYKIA-01 did not see any radio connected. Verify the 3.5mm connector is connected to the SWC input on the radio.*



To manually set the radio type

1. Turn on the ignition and the radio
2. Within the first 20-seconds of the ignition being turned on, press and hold down the volume down button on the steering wheel for 20-seconds.
3. The LED will go solid, which is located on the 16-pin side of the interface.
4. Release the volume down button and the LED will turn off
5. Press the volume up button the number of times corresponding to the radio type.
6. When the number of presses matches the radio Number—press down the volume down button.
7. The radio type is now stored.
8. The LED will blink the number of time corresponding to the radio type selected.
 - 1st led flash is for Eclipse*
 - 2nd led flash is for Kenwood*
 - 3rd led flash is for Clarion*
 - 4th led flash is for Sony and Dual*
 - 5th led flash is for JVC*
 - 6th led flash is for Pioneer and Jensen*
 - 7th led flash is for Alpine**
 - 8th led flash is for Visteon*
 - 9th led flash is for Valor*
 - 10th led flash is for Clarion 5v*

** Note: If the LED flashes 7 times and you do not have an Alpine radio connected to it that means that the HYKIA-01 did not see any radio connected. Verify the 3.5mm connector is connected to the SWC input on the radio.*



Remapping the SWC buttons

1. Turn the ignition on.
2. Within the first 20-seconds of the ignition being on, press and hold volume up button for 20-seconds.
3. The LED will go solid.
4. Release the volume button—The LED will go off and SWC button #1 has been stored (volume up cannot be remapped).
5. Follow the list below in order pushing the steering wheel control button you want for the function below. If you want to skip a command press the volume up on the steering wheel, this will tell the HYKIA-01 to skip the command and go to the next one.
6. If a button will not be used, press the volume up button instead to indicate this fact.
7. Continue through all 14 buttons. Press volume up if not using a given button.
8. After the 14th button all programming is finished. The LEDs will no longer go on when pressing a button.

- | | |
|-------------------|------------------------|
| 1. Volume Up | 8. Preset Down |
| 2. Volume Down | 9. Power |
| 3. Seek Up/Next | 10. Band |
| 4. Seek Down/Prev | 11. Play/Enter |
| 5. Source/Mode | 12. PTT (Push To Talk) |
| 6. Mute | 13. On Hook |
| 7. Preset Up | 14. Off Hook |

Note: Not all options are available on aftermarket radios.



Resetting the SWC portion of the HYKIA-01

To relearn the SWC portion of the interface follow the steps below.

- 1.** Turn on the ignition.
- 2.** Remove power from the board.
- 3.** Press and hold down the SOURCE/MODE steering wheel button
- 4.** Connect the board to the car.
- 5.** The unit will now blink and you can continue with Step #4 in the "INITIAL FIRST TIME CONNECTING UNIT" section.



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