

Introduction and Features

The SRK-JK11HX is a complete radio installation kit for 2011-2018 Jeep Wrangler JK and the Stinger Horizon10 Infotainment system (sold separately). All modules and cables are included to retain important features of the factory system, including: steering wheel-mounted radio controls, USB port, factory amplifier and AM/FM reception. Data integration with the vehicle and the Stinger Horizon10 adds advanced vehicle information, performance gauges, off-road enhancements, four programmable camera triggers, and factory amplifier control. Plug & Play wiring harnesses, along with a “zero-modify” mounting system, allow for a quick and easy installation without the need to cut or splice any factory wiring or modifying the vehicle trim panels or sub-dash.

Important Notes

We recommend reading this manual thoroughly to familiarize yourself with the entire process prior to beginning the installation. Although this kit does not require any modifications to the vehicle, it does require following the steps as shown to ensure it is installed correctly with no damage to the vehicle.

1. Does not retain the following factory features:

- Uconnect®
- SiriusXM® Satellite Radio

2. To retain SiriusXM Satellite Radio would require purchasing a SXV300 SiriusXM tuner.

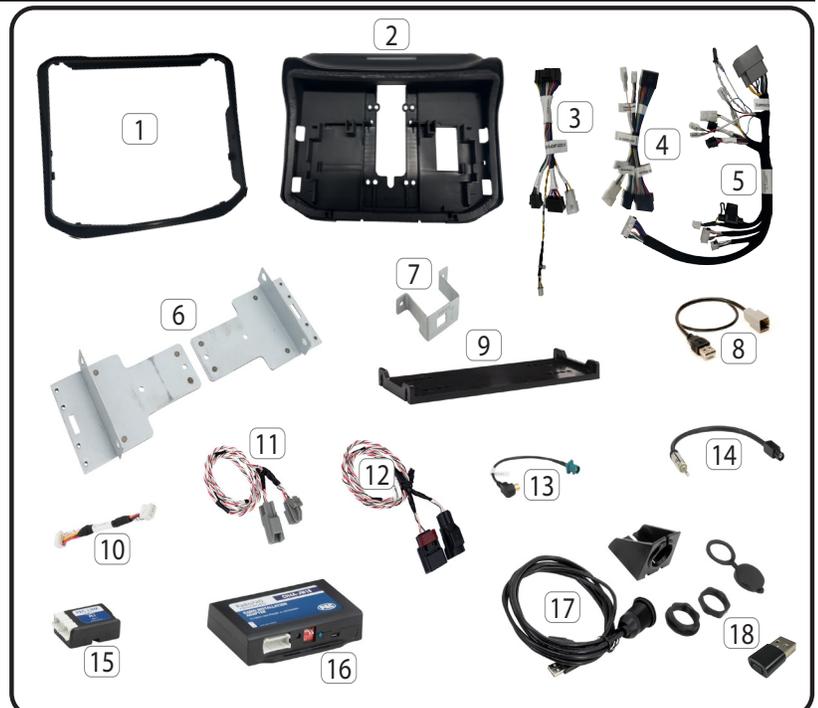
Recommended Tools

<i>Plastic Panel Tool</i>	<i>#1 Phillips Screwdriver</i>	<i>Flush Cutters</i>	<i>Painters Tape</i>
<i>7mm, 10mm Socket</i>	<i>#2 Phillips Screwdriver</i>	<i>Wire Feeder</i>	
<i>Ratchet</i>	<i>Flathead Screwdriver</i>	<i>Cloth Tape</i>	

Included Components

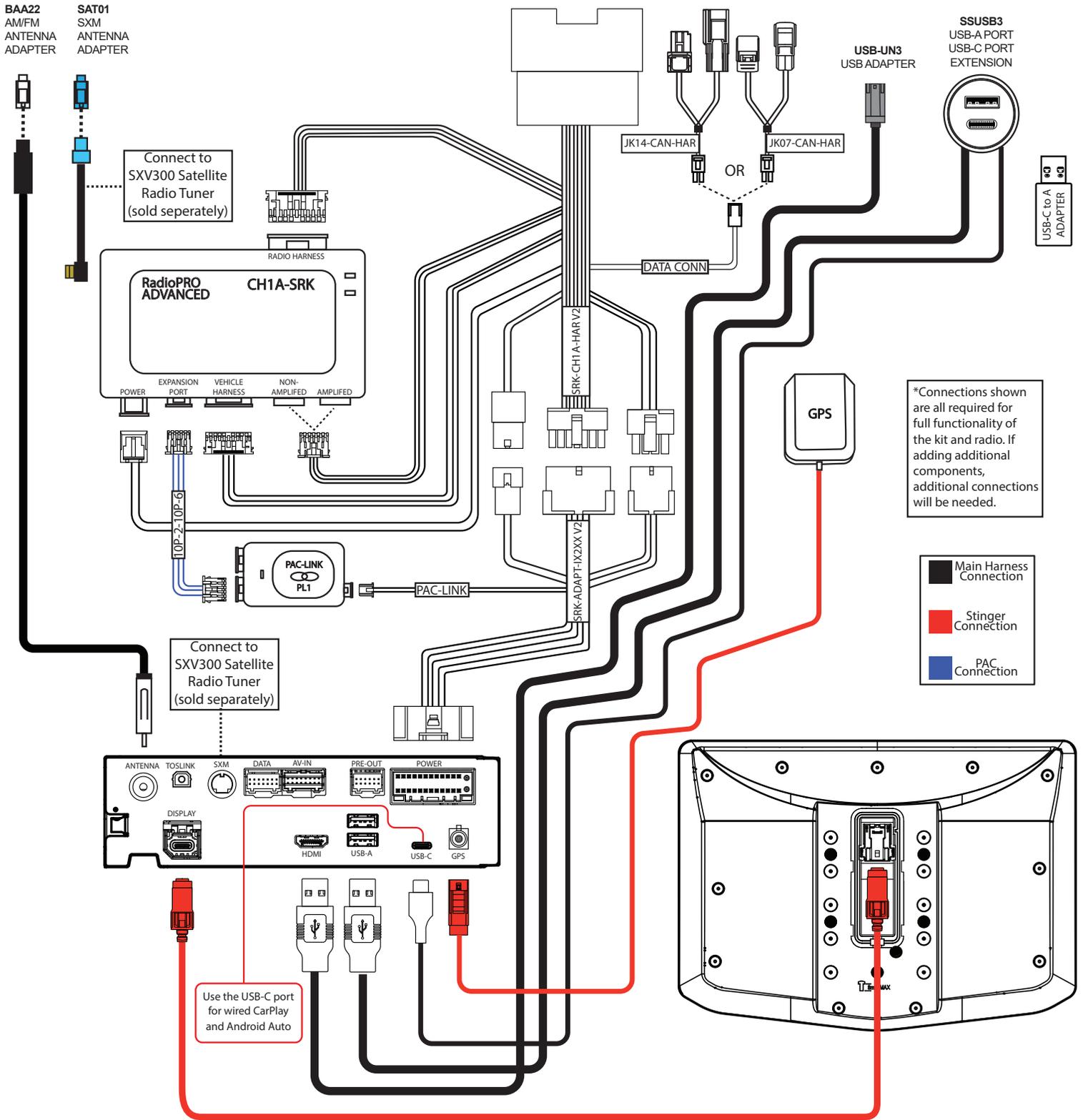
1. Mounting Panel Front Frame
2. HEIGH10, Horizon10 Display Mounting Panel
3. UN1810 Harness (SR-SRK-ADAPT-UN1810 V1)
4. IX210 Harness (SR-SRK-ADAPT-IX2XX V1)
5. Main Harness (SRK-CH1A-HAR V2)
6. Side Mounting Brackets (x2)
7. Top Support Bracket
8. 18" USB Adapter (USB-UN3)
9. Module Bracket (H_MODULE_BRKT)
10. PAC-LINK/Speed Sen Harness (10P-2-10P-6-HAR)
11. 2014-2018 CAN Harness (JK14-CAN-HAR)
12. 2011-2013 CAN Harness (JK07-CAN-HAR)
13. Satellite Antenna Adapter (SAT-01)
14. AM / FM Antenna Adapter (BAA22)
15. PAC-LINK Module (PL1)
16. Radio Replacement Interface Module (CH1A-SRK)
17. USB-A / USB-C Extension (SSUSB3)
18. USB-C TO USB-A Adapter included with (SSUSB3)

NOTE: There is a component list, hardware guide, wire harness descriptions and illustrations in the HORIZON10 (IX210) Installation Guide for reference.



Included zip ties, M4 x 12 Screws (4x), M5 x 10 Screws (4x), M4 x 6 Screws (2x), M4 x 10 Screws (4x), M3 x 6 Self-tap Screws (2x), 10 x 1/2 Screw (1x), 10 x 3/8 Screw (4x), clip nut and Screws **NOT SHOWN**.

Wiring Diagram Overview



This installation manual will cover the necessary order of procedures to complete the installation efficiently and to avoid redoing any steps along the way. The order will be as follows; Disassembly, In-Vehicle Harness Connections and Preparation, Display, Radio Module and Harness Preparation, and Radio Unit Installation.
(Directions for removing the display panel are on Page 17)

Section 1: Disassembly

Part One: Radio Removal



Step 1

Remove the knee bolster panel below the steering column using a plastic trim tool to release the upper left and right clips and swing panel downward to disengage lower tabs.



Step 2

Remove the two 7mm screws from the bottom edge of the radio/instrument cluster trim panel on both sides of the steering column.



Step 3

Using a plastic trim tool, gently pry to release and remove the power window switches or storage pocket below the radio. Disconnect the connector on the back of the switch assembly.



Step 4

Remove the 7mm screw inside the switch opening.



Step 5

Remove the rubber mat from the storage tray above the radio and remove the 7mm screw underneath.



Step 6

Starting below the radio, reach into the window switch opening and firmly grasp the lower bezel and pull the bezel to release the lower retaining clips.

Section 1: Disassembly (cont.)

Part One: Radio Removal (cont.)



Step 7

Using the storage tray and area over the gauges, pull the top edge of the panel to release the upper retaining clips. Lower the steering wheel and remove the panel.



Step 8

Remove the four 7mm screws securing the radio and pull the radio from the sub-dash.



Step 9

Disconnect all wire harnesses and antenna cables from the back of the factory radio.

Section 2: In-Vehicle Harness Connections and Preparation

Part One: UConnect Console USB Retention (USB-UN3)

Apple CarPlay, Android Auto, and any Firmware Updates require access to a USB port. If the vehicle is equipped with Uconnect and there is a factory USB port in the center console, you may install the USB-UN3 adapter to retain this USB port. If the vehicle is not equipped with a factory USB port, proceed to Part Two on page 5.



Step 1

Remove the climate control / switch panel by pulling outward and releasing the retaining clips. Unplug all connectors from the backside of the panel.



Step 2

For vehicles with factory Uconnect, remove the two 7mm screws securing the Uconnect module located behind the climate control panel.



Step 3

Unplug the factory USB cable connected to the Uconnect Module.

Section 2: In-Vehicle Harness Connections and Preparation (cont.)

Part One: UConnect Console USB Retention (USB-UN3) (cont.)



Step 4

Plug the factory USB cable into the USB-UN3 adapter included in the SRK-JK11HX kit. Reinstall the two 7mm screws to secure the Uconnect module.



Step 5

Route the USB A connector end of the USB-UN3 up to the radio opening.



Step 6

If you are not installing the optional USB extension shown below, reconnect all the connectors on the backside of the climate control / switch panel and snap the panel back in place.

Part Two: USB-C / USB-A Extension (SSUSB3)

Firmware Updates require access to a USB port. If the vehicle is not equipped with a factory USB port, you will have to install the supplied SSUSB3 in order for wired CarPlay and Android Auto to function. For this installation, the factory 12V power outlet will be replaced with the USB-C / USB-A port. You can mount the USB port wherever you like. For Apple CarPlay, Android Auto you have to use the USB-C port for wired connection.



Step 1

If not removed in previous steps, remove the climate control / switch panel by pulling outward and releasing the retaining clips. Unplug all connectors from the backside of the panel.



Step 2

Remove the metal insert from the power outlet by releasing the two retaining clips with a small pick tool and pushing out the front side.



Step 3

Remove the plastic sleeve by depressing the two tabs and pushing out the front.

Section 2: In-Vehicle Harness Connections and Preparation (cont.)

Part Two: USB Extension (SSUSB3 (cont.))



Step 4

Install the optional USB cover and feed the USB cables through the front of the panel. Secure with the flanged nut and then lock with the lock nut.



Step 5

Route the USB cables up to the radio opening, making sure to route them behind the metal bracket. Reconnect and reinstall the climate control panel.

Part Three: GPS Antenna

The GPS antenna is required for retaining vehicle information, proper operation of Apple CarPlay / Android Auto, in addition to the optional GPS card if installed. The GPS antenna and mounting plate are included with the HORIZON10 accessories. Ensure no metal items are above the GPS antenna including items that hang over the window (roof rack).



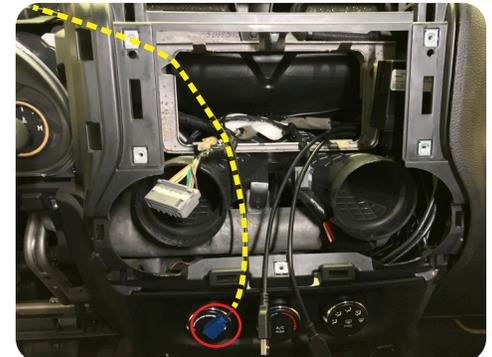
Step 1

Clean the indicated area above the right side of the instrument cluster.



Step 2

From the HORIZON10 box, stick the metal plate to the surface and place the magnetic GPS antenna on the plate.



Step 3

Route the blue GPS connector behind the metal bracket and into the radio opening. Bundle and secure the excess antenna cable behind the instrument cluster.

Section 2: In-Vehicle Harness Connections and Preparation (cont.)

Part Four: CAN T-Harness (JK07-CAN-HAR or JK14-CAN-HAR)



Step 1A

OR



Step 1B



Step 2

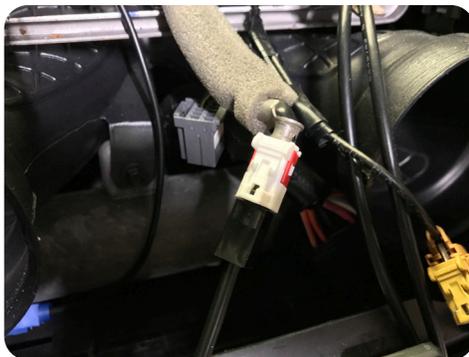
2011-2013 Models: On the wire harness running below the steering column, locate the black 2-pin connector shown. Unplug the connector and plug each end into the matching connector on the JK07-CAN-HAR T-Harness.

2014-2018 Models: On the wire harness running below the steering column, locate the gray 2-pin connector shown. Unplug the connector and plug each end into the matching connector on the JK14-CAN-HAR T-Harness.

Once the CAN T-Harness is connected, route the 2-pin twisted lead up to the radio opening, coming out behind the metal radio bracket. Secure the CAN harness with zip ties.

Note: The above harnesses may be hidden by the wire loom and taped up.

Part Five: AM / FM Antenna Adapter (BAA22)



Step 1

Connect the BAA22 Antenna Adapter to the factory antenna cable (white connector).
Note: The mustard colored antenna cable is for satellite radio.

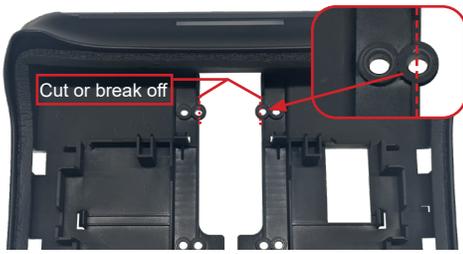


Step 2

These are the in-vehicle connections for the basic installation. If adding cameras, amplifiers or external microphone, those connections should be made at this point, before mounting the radio module.

Section 3: Display, Radio Module and Harness Preparation

Part One: Display Mounting Panel Preparation



Step 1

Place the Display Panel face down and remove the half moon tabs to allow the LCD to mount through the opening.



Step 2

Install 6 rubber covers in the following locations. **NOTE: If the rubber covers are not installed the LCD will not be waterproof. Warranty is void if water damage occurs.**



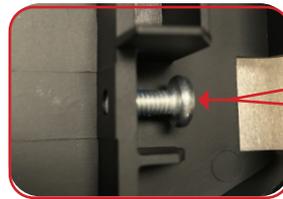
Step 3

Place the display into the front of the housing and carefully turn the panel over onto a soft surface while holding the display in place.



Step 4

Use four M4 x 12 screws and attach the display to the mounting panel.



Step 5

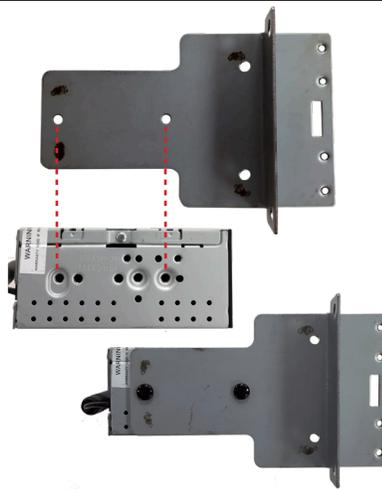
Partially screw in the four M4 x 10 screws into the side holes of the mounting panel. **NOTE: Ensure screw tip is flush and does not exceed the plastic thickness.**

Part Two: Attaching the Radio Module Mounting Brackets



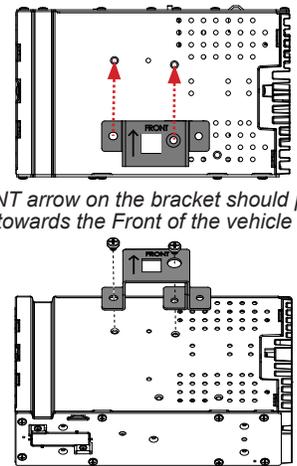
Step 1

Align and attach one of metal side brackets to the right side of the radio module using two M5 x 10 screws.



Step 2

Align and attach the remaining metal side bracket to the left side of the radio module using two M5 x 10 screws.



Step 3

FRONT arrow on the bracket should point towards the Front of the vehicle

Using two M4 x 4 screws, mount the support bracket to the top of the radio module in the location shown.

Section 3: Display, Radio Module and Harness Preparation (cont.)

Part Three: Main Harness Connections (SRK-CH1A-HAR V2)



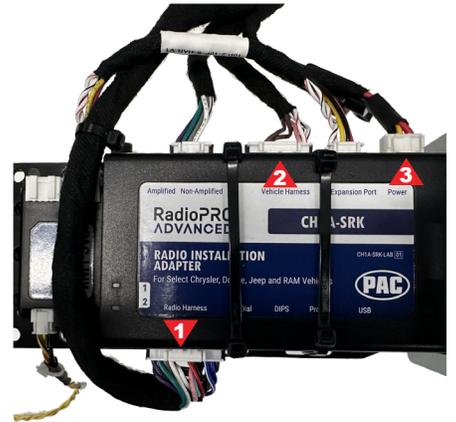
Step 1

Using two 12" zip ties, attach the CH1A-SRK to the Module Bracket as shown. The locking part of the zip ties should be in the front, not the back.



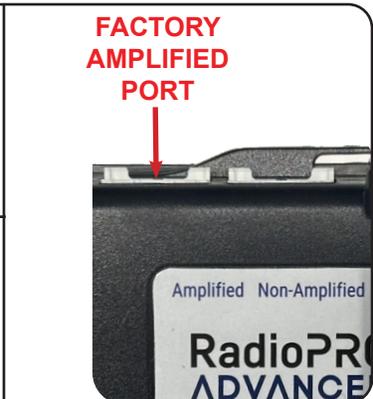
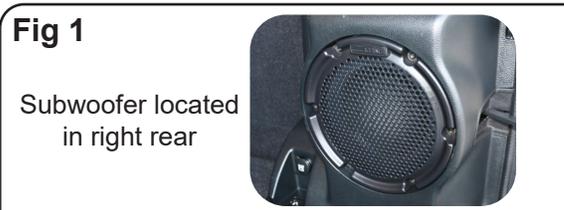
Step 2

Feed a 8" zip tie through the back of the PL-1 and attach to the bracket in the position shown.



Step 3

Connect the three connectors from the SRK-CH1A-HAR Main Harness to the indicated ports on the CH1A-SRK module.



Step 4

Vehicles equipped with a factory subwoofer plug into the AMPLIFIED port. Fig 1. Vehicles with a side mounted sub. Fig 2. Vehicles with a floor mounted sub.

Step 4.1

Connect the fourth connector to the appropriate port. *Amplified* (left) if the vehicle has a factory amplifier, *Non-Amplified* (right) for base audio. Base audio will have no factory subwoofer.

Step 4.2

Vehicles with no factory subwoofer connect to the NON-AMPLIFIED port.



Part Three: Main Harness Connections (SRK-CH1A-HAR V2) (cont.)

Section 3: Display, Radio Module and Harness Preparation (cont.)



Step 5

Connect one end of the PAC 10P-2-10P-6-HAR harness to either port on the PL1. Connect the other end of the harness to the Expansion Port on the CH1A-SRK module.



Step 6

Secure the radio harness to the PL1 harness using a zip tie.

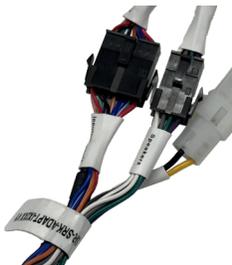


Step 7

Slide the module bracket assembly between the side brackets on the radio module.

Step 8

For each side, align the module bracket with the two holes on the side bracket. Using #6 coarse thread screws and attached the module bracket to the side brackets.



Step 9

From the SRK-JKH harnesses, connect the SR-SRK-ADAPT-IX2XX radio harness into the HORIZON10 radio module.



Step 10

From the SRK-JKH harnesses, connect the SR-SRK-ADAPT-IX2XX radio harness into the HORIZON10 radio module.



Step 11

From the HORIZON10 harnesses, plug in the black display cable connector into the radio module.

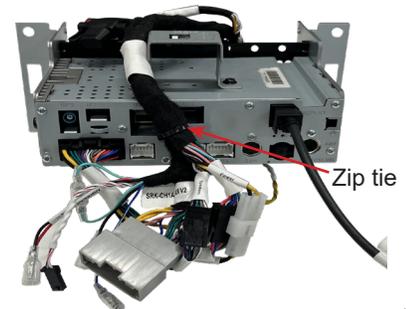


Step 12

Connect the 3-pin PAC-LINK lead on the 29-pin SR-SRK-ADAPT-IX2XX harness to the PL1.

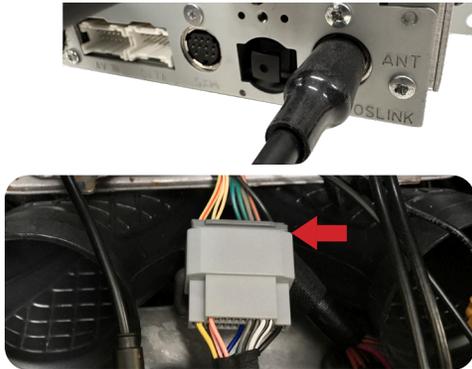
Step 13

When all connections are complete, on the back of the radio attach a zip tie to hold the wire assembly in place.



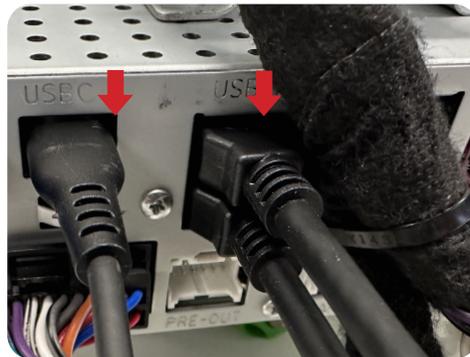
Section 4: Radio Unit Installation

Part One: In-Vehicle Harness and Cable Connections



Step 1

Connect the BAA22 antenna wire into the radio module. Plug in the vehicle's gray 22-pin radio plug to the SRK-CH1A-HAR main harness.



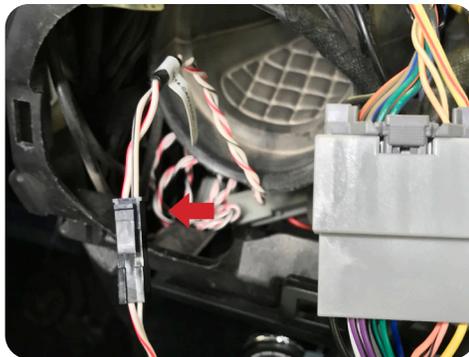
Step 2

Plug in the USB-C and the 2 USB-A connectors from the SSUSB3 into the radio module.



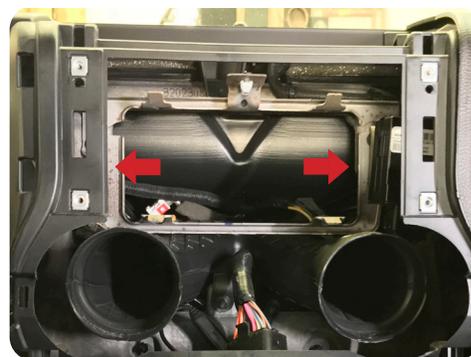
Step 3

Plug in the GPS antenna wire into the radio module.



Step 4

Connect the 2-pin connector coming from the CAN T-Harness to the DATA CON connector on the SRK-CH1A-HAR main harness. Ensure the colors line up.



Step 5

Connect any additional components (camera, amps, SXM) and tuck excess cables, wires and connectors to the sides, not directly behind the radio.

Section 4: Radio Unit Installation (cont.)

Part Two: Mounting the Radio Assembly



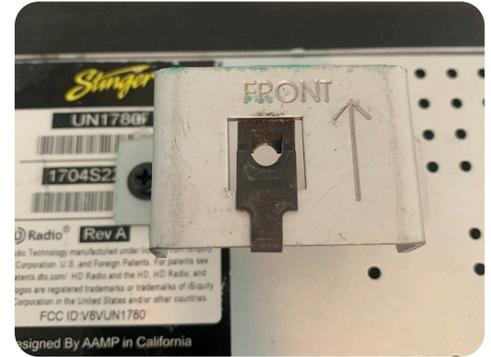
Step 1

With the display cable routed over the top of the radio module, slide the assembly into place. Take caution that no wiring gets pinched between the metal brackets.



Step 2

The top support bracket on the radio assembly needs to go over the top of the factory radio support bracket with the factory nut centered in the bracket cut-out.



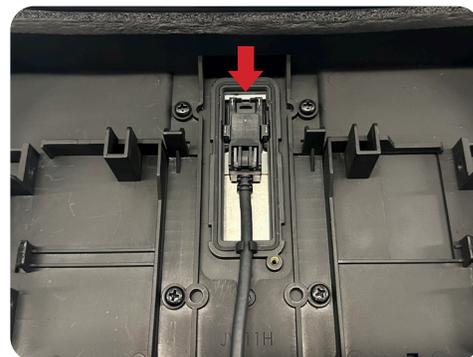
Step 3

If the vehicle does not have a factory radio support bracket, insert the included clip-on nut onto the top bracket as shown.



Step 4

Once in position, install two screws to hold the radio assembly in place.



Step 5

Temporarily connect the display cable to the back of the display. We recommend testing the radio

Section 4: Radio Unit Installation (cont.)

Part Two: Mounting the Radio Assembly (cont.)



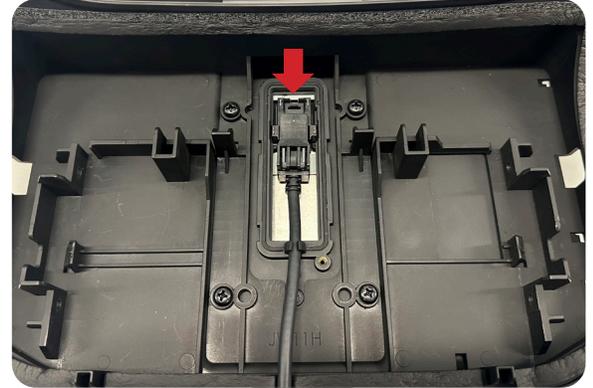
Step 6

Once the radio display is connected, start the Jeep and check for functionality.

Volume, Balance, Fade, AM/FM Reception
Bluetooth, USB, Apple Carplay, Android Auto
Steering Wheel Controls, Vehicle Info Screens
Camera(s)

*If the External Microphone is not installed, the setting must be changed from External (Default) to Internal in the Phone Settings: **Main Menu > Settings > Microphone**

**If the vehicle info screens are not fully populated, refer to the end of the instructions under "Reset PAC interface". Also ensure the GPS antenna can see the outside sky (not in a garage or a bay).



Step 7

Once the radio has been tested, disconnect the display cable from the back of the HORIZON10 display.

Section 4: Radio Unit Installation (cont.)

Part Two: Mounting the Radio Assembly (cont.)



Step 8

Reinstall any remaining 7mm screws to secure the radio assembly.



Step 9

Lower the steering wheel and align and reinstall the instrument cluster / radio panel. Ensure that all retaining clips are fully seated and the display cable is accessible.



Step 10

Reinstall the factory 7mm screw in the upper storage tray. If using the clip-on nut, use the #10-24 X 1/2" Phillips machine screw to secure.



Part Three: Attaching the Display Panel



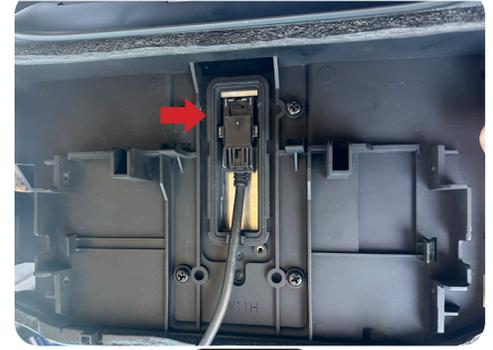
Step 1

Apply a piece of cloth tape across the top and bottom edges of the radio opening. Approximately 1/4" of tape along the face of the dash panel and the remainder folded inward.



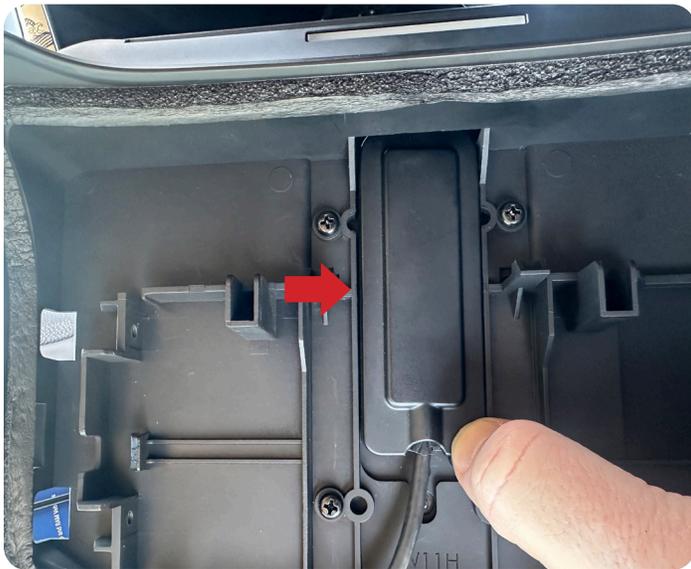
Step 2

Apply a piece of removable tape across the bottom of the radio opening to protect the dash panel during installation.



Step 3

Connect the display cable to the back of the display.



Step 4

Attach the HORIZON10 wire cover to the back of the LCD assembly. The cover needs to install from the top of the bezel and slide down until the screw hole opening is visible. Use a pry tool to slide the cover down.

Use the supplied M2.6 x 6.5 screw from the Horizon10 to hold the cover in place.

WARNING!!!

If the cover is not attached the LCD will not be waterproof. Warranty is void if water damage occurs.

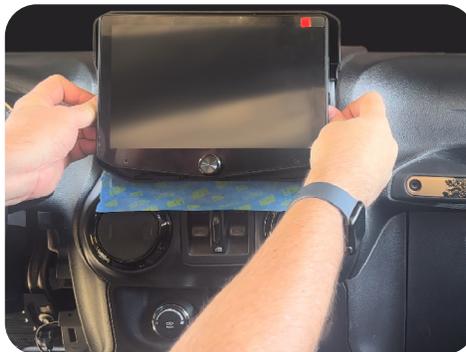
Section 4: Radio Unit Installation (cont.)

Part Three: Attaching the Display Panel (cont.)



Step 5

To attach the display assembly, align the location ribs on the sides of the mounting panel to the side brackets to center the panel side to side.



Step 6

Center the display assembly in the radio opening and push inward until it snaps in place.
Note: Once the locking clips engage, the panel will stay in place



Step 7

Once the display panel is locked into place, use a Phillips screwdriver to tighten the four mounting screws on the left and right sides of the panel.



Step 8

Install the front frame by hooking at the top first, then snapping in the sides and bottom. Remove the tape by pulling downward.

Reinstall the remaining screws, panels and switch pod to complete the installation

Installer Note!

If you are having trouble locking the display in place, confirm the four side mounting screws are flush and not protruding beyond the thickness of the plastic. (FIG A)

FIG A



Product Updates (Firmware)

Firmware Updates (PAC RadioPRO ADVANCED)

The CH1A-SRK can be updated with new firmware as it becomes available. Please visit www.pac-audio.com/firmware for available updates.

Firmware Updates (Stinger HORIZON10)

To update the Stinger radio firmware, refer to the HORIZON10 product page at:

<https://stingersolutions.com/pages/horizon10>

RESET PAC INTERFACE

You can restore the RadioPRO interface module to factory default settings by pressing and holding the programming button on the side of the module until the status LED starts blinking red. Once the LED starts blinking red, release the button. You must release the button while the LED is blinking red in order to perform the reset. This reset will restore all settings to factory defaults.

Technical Support

Email: support@stingersolutions.com

Phone: 727-592-5991



Removing the Display Panel

In the event the display panel needs to be removed, follow the instructions below to prevent damage to the vehicle trim, radio display and installation kit.



Step 1

Remove the front frame by first releasing the side clips at the locations indicated by arrows.



Step 2

Using a very thin pry tool or similar, carefully release the side clips as shown on both sides.



Step 3

Once the side clips are disengaged, swing the bottom edge upwards to unhook the top of the frame and remove.



Step 4

Using a magnetic Phillips screwdriver, remove the two mounting screws on the left and right sides of the mounting panel.



Step 5

Insert a small flathead screw driver into the left and right bottom slots and push in on each side releasing the locking clips. Slightly pull toward you to release the display panel.