SRK-JK11H

Introduction and Features

The SRK-JK11H is a complete radio installation kit for 2011-2018 Jeep Wrangler JK and the Stinger HEIGH10 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 HEIGH10 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.

3. Directions for removing the HEIGH10 display panel are on page 17.

Recommended Tools

Plastic Panel Tool
7mm, 10mm Socket
Ratchet

Phillips Screwdriver
Pick Tool
Flush Cutters

Wire Feeder
Cloth Tape

Included Components

1. **Mounting Panel Front Frame**
2. **HEIGH10 Display Mounting Panel**
3. **Main Wiring Harness (SRK-CH1A-HAR)**
4. **Side Mounting Brackets (x2)**
5. **Module Bracket (H_MODULE_BRKT)**
6. **Top Support Bracket**
7. **18" USB Adapter (USB-UN3)**
8. **PAC-LINK/Speed Sen Harness (10P-2-10P-6-HAR)**
9. **2014-2018 CAN Harness (JK14-CAN-HAR)**
10. **2011-2013 CAN Harness (JK07-CAN-HAR)**
11. **Satellite Antenna Adapter (SAT-01)**
12. **AM / FM Antenna Adapter (BAA22)**
13. **PAC-LINK Module (PL1)**
14. **Radio Replacement Interface Module (CH1A-SRK)**
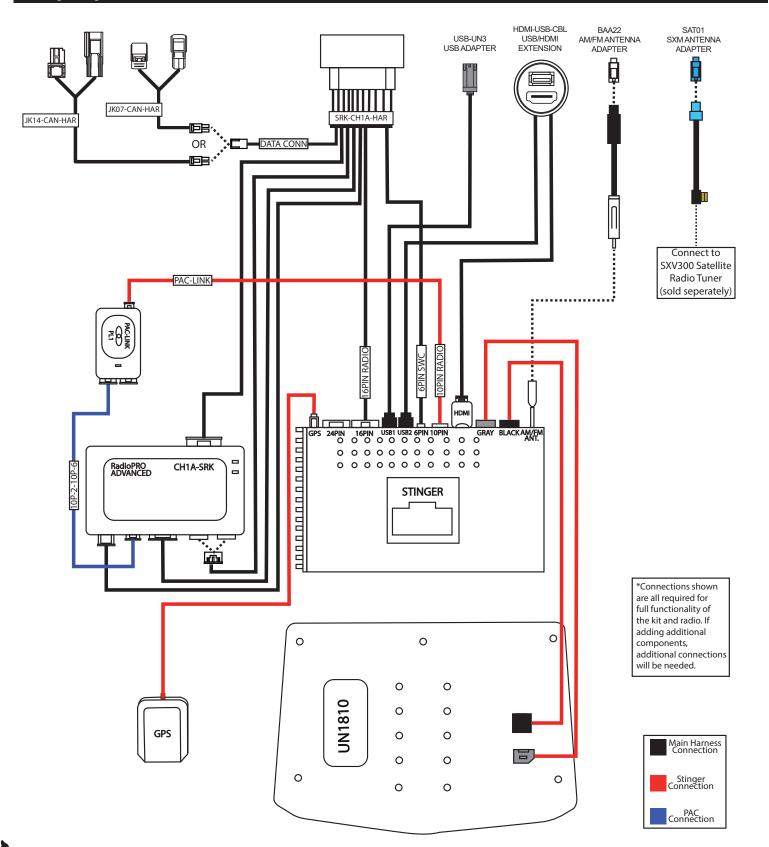15. **USB/HDMI Extension (HDMI-USB-CBL V2)**

NOTE: Along with the SRK-JK11H components, additional hardware and wire harnesses from the HEIGH10 (UN1810) kit will also be used in the installation. There is a component list, hardware guide, wire harness descriptions and illustrations in the UN1810 Installation Guide for reference.

Included zip ties, M4 x 10 Screws (4x), clip nut and #10-24 X ½" screw not shown.

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Wiring Diagram Overview

JK14-CAN-HAR

JK07-CAN-HAR

OR

DATA CONN

SRK-CH1A-HAR

USB-UN3
USB ADAPTER

HDMI-USB-CBL
USB/HDMI
EXTENSION

BAA22
AM/FM ANTENNA
ADAPTER

SAT01
SXM ANTENNA
ADAPTER

Connect to
SXV300 Satellite
Radio Tuner
(sold seperately)

PAC-LINK

PAC-LINK
PL1

10P-2-10P-6

RadioPRO
ADVANCED   CH1A-SRK

GPS

16PIN RADIO

6PIN SWC

10PIN RADIO

HDMI

GPS 24PIN   16PIN   USB1 USB2 6PIN 10PIN   GRAY BLACK AM/FM
                                                          ANT.

STINGER

UN1810

*Connections shown
are all required for
full functionality of
the kit and radio. If
adding additional
components,
additional connections
will be needed.

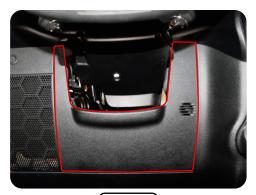|	Main Harness Connection
	Stinger Connection
	PAC Connection

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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

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.

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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-JK11H 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/HDMI 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-HDMI Extension (HDMI-USB-CBL V2)

Apple CarPlay, Android Auto, and any Firmware Updates require access to a USB port. If the vehicle is not equipped with a factory USB port, or if you would like an second USB port and a HDMI port, install the supplied HDMI-USB-CBL extension. For this installation, the factory 12V power outlet will be replaced with the HDMI-USB-CBL. You can mount the USB/HDMI ports wherever you like.

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.

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

Part Two: USB/HDMI Extension (HDMI-USB-CBL V2) (cont.)

Step 4

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

Step 5

Route the USB/HDMI 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 proper operation of Apple CarPlay and Android Auto, in addition to the optional GPS card if installed. The GPS antenna and mounting plate are included with the HEIGH10 accessories.
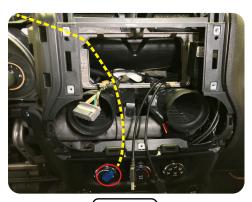

Step 1

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

Step 2

From the HEIGH10 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.

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.

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.

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Section 3: Display, Radio Module and Harness Preparation

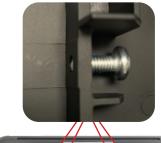### Part One: Display Mounting Panel Preparation

Step 1

Place the HEIGH10 display into the front of the mounting panel and carefully turn the panel over onto a soft surface while holding the display in place.

Step 2

Use four M4x12 screws from the HEIGH10 hardware to attach the display to the mounting panel.

Step 3

Partially screw in the four M4x10 screws from the SRK-JK11H hardware into the side holes of the mounting panel. NOTE: Ensure screw tip is flush and does not exceed the plastic thickness.
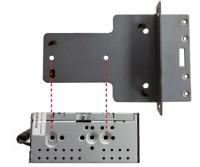
Part Two: Attaching the Radio Module Mounting Brackets

FRONT arrow should point towards the Stinger logo.

Step 1

Align and attach one of metal side brackets to the right side of the radio module using two M5 x 10 screws from the HEIGH10 box.

Step 2

Align and attach the remaining metal side bracket to the left side of the radio module using two M5 x 10 screws from the HEIGH10 box.

Step 3

Using two M4x4 screws from the HEIGH10 hardware, 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-CH2A-HAR)

Step 1

Using two of the longer 8" 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 6" 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-CH2A-HAR Main Harness to the indicated ports on the CH4 module.

Step 4

Connect the fourth connector to the appropriate port. *Amplified* (left) if the vehicle has a factory amplifier, *Non-Amplified* (right) for base audio.

Step 5

Secure the main harness to the module bracket using a zip tie.

Step 6

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 CHR1A-SRK module.
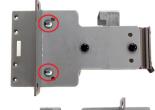
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Section 3: Display, Radio Module and Harness Preparation (cont.)

Part Three: Main Harness Connections (SRK-CH2A-HAR) (cont.)

Step 7

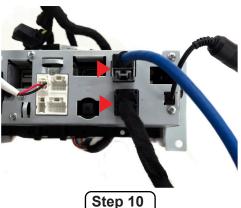Slide the module bracket assembly between the side brackets on the radio module.

Step 8

For each side, align the module bracket with the two holes on the side bracket. Using #6 coarse thread screws from the HEIGH10 hardware, attached the module bracket to the side brackets.

Step 9

On the SRK-CH1A-HAR Main harness, plug the 16PIN Radio harness and the 6PIN Steering Wheel Control harness into the HEIGH10 radio module.
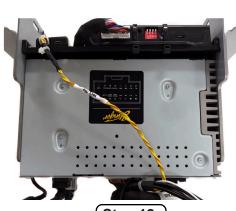

Step 10

From the HEIGH10 harnesses, plug in the gray LVDS and black 8-pin display cable connectors into the radio module.

Step 11

From the HEIGH10 harnesses, connect the 3-pin PAC-LINK lead on the 10-pin Multi Camera Harness to the PL1.

Step 12

Route the 10-pin harness under the radio module to the back of the radio assembly.
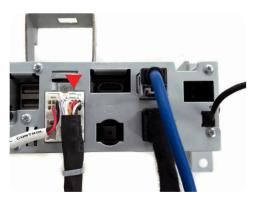
Section 3: Display, Radio Module and Harness Preparation (cont.)

Part Three: Main Harness Connections (SRK-CH2A-HAR) (cont.)

Step 13

Connect the pink SPEED SEN lead on the Main Harness to the pink SPEED SEN lead on the 10-pin Harness.

Step 14

Plug in the 10-pin radio harness into the 10-pin port on the back of the radio module.

Step 15

When all connections are complete, the two display cables should be routed to the front of the radio assembly and use a zip tie to bundle the wire harnesses on the rear of the radio module.

Section 4: Radio Unit Installation

Part One: In-Vehicle Harness and Cable Connections

Step 1

With the radio assembly inside the vehicle, connect the AM/FM antenna. Connect the vehicle's gray 22-pin radio plug to the SRK-CH1A-HAR main harness.

Step 2

If just installing a single USB, plug it into the USB port closest to the edge of the radio. This port is for Apple CarPlay and AndroidAuto.

Plug in the HDMI cable if installed.

Step 3

If installing a second USB, plug it into the other USB port on the radio module.

Plug in the GPS antenna.

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Section 4: Radio Unit Installation (cont.)

Part One: In-Vehicle Harness and Cable Connections (cont.)

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.

Step 5

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

Part Two: Mounting the Radio Assembly

Step 1

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

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Section 4: Radio Unit Installation (cont.)

Part Two: Mounting the Radio Assembly (cont.)

Step 4

Once in position, install two screws to hold the radio assembly in place. We recommend testing the radio functions before completely reassembling the vehicle.

Step 5

Temporarily connect the two display cables to the back of the display.

Step 6

Once the radio display is connected, power up the radio and check 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 > Phone > Settings**

Unplug the two display cables from the back of the display after function test is complete

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Section 4: Radio Unit Installation (cont.)

Part Two: Mounting the Radio Assembly (cont.)

Step 7

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

Step 8

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

Step 9

Reinstall the factory 7mm screw in the upper storage tray. If using the clip-on nut, use the #10-24 X ½" 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 two display cables to the back of the display.

Section 4: Radio Unit Installation (cont.)

Part Three: Attaching the Display Panel (cont.)

Step 4

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 5

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

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

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Section 4: Radio Unit Installation (cont.)

Part Three: Attaching the Display Panel (cont.)

Step 6

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 7

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

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 HEIGH10)

To update the Stinger radio firmware, refer to the HEIGH10 product page at:

www.stingerelectronics.com/products/heigh10

Reset / Restoring Interface Factory Settings

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@PAC-audio.com
Phone: 866-931-8021
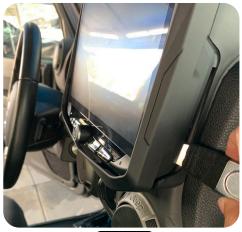**International:** 727-592-5991

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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

While holding the display with one hand, insert a soft plastic panel tool under either bottom corner and slightly pry up to release the display panel.

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