

95476
X1000

JL3001 INSTALLATION TIPS

V1.0

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I. INTRODUCTION

Congratulations! If you are reading this, then you are most likely about to install Insane Audio's super awesome JL3001 in your **Jeep Wrangler JL or Gladiator pickup**. This document is intended to give you a few helpful hints and tips.

This should go without saying, but PLEASE USE YOUR NEW INSANE AUDIO HEAD UNIT RESPONSIBLY. Never attempt to operate the unit or view videos while driving. When in doubt, pull over first then do what you need to do. While driving, always keep both hands on the wheel and your eyes on the road!

Should you run into problems or need any additional assistance, feel free to drop us an e-mail at support@insaneaudio.com or visit us at www.insaneaudio.com/support and we will endeavor to get back to you as soon as possible.

Once you get your JL3001 installed, a helpful document is our Quick Start Guide which you can be found at www.insaneaudio.com/support

You'll also want to check out our online user forum at <https://insaneaudio.com/forum> It's a great place to share ideas and join the Insane Audio community! Of course, you can always find additional information and documentation at our homepage at www.insaneaudio.com

Enjoy your new Insane Audio JL3001 and we'll see 'ya on the trail!

I. INTRODUCTION

A quick note from the Insane Audio engineering staff...

Please note that this is a brand new product. So much so, that we haven't yet had a chance to complete a detailed installation manual. This document has the basics for now, but will continue to be updated over the next few days so please bear with us. If you have any specific questions or need technical support, hit us up anytime! Insane Audio's JL3001 is the culmination of years of research and development and we are quite proud of the results. We're sure you will absolutely love Insane Audio's all new JL3001 in your vehicle!

Again, our support staff can always be reached via www.insaneaudio.com/support

II. SAFETY PRECAUTIONS

- **Disconnect the negative battery terminal before beginning this installation!**
- If you are not comfortable installing this product yourself, we highly recommend consulting a professional installer.
- Don't run with scissors.

III. OPENING THE DASH

The JL Dash is held together with pressure clips. Use a dash trim tool to pry the center dash panel. The plastic is easy to scratch, so be careful!



Remove the two (2) Phillips screws on the bottom of the OEM radio bracket.

III. OPENING THE DASH

Remove the two (2)
Phillips screws on
the top of the OEM
Radio Bezel



Remove the two (2)
Phillips screws on the
bottom of the OEM Radio
bezel.

III. OPENING THE DASH

You'll want to save some of the dash pressure clips from your old OEM dash panels and use them for your sexy new Insane Audio JL3001



IV. CONNECTIONS



IV. CONNECTIONS

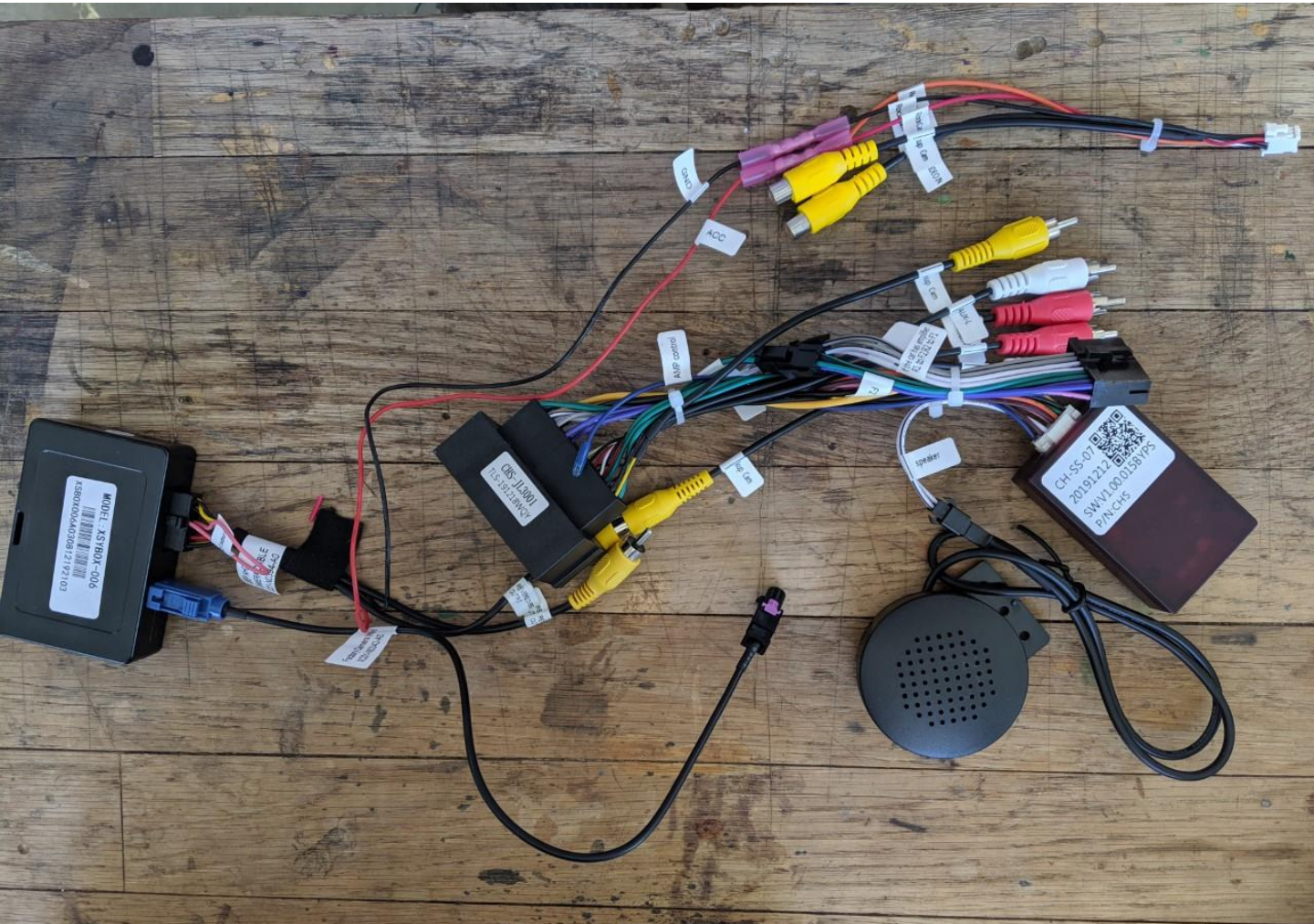
GPS and WiFi antennas



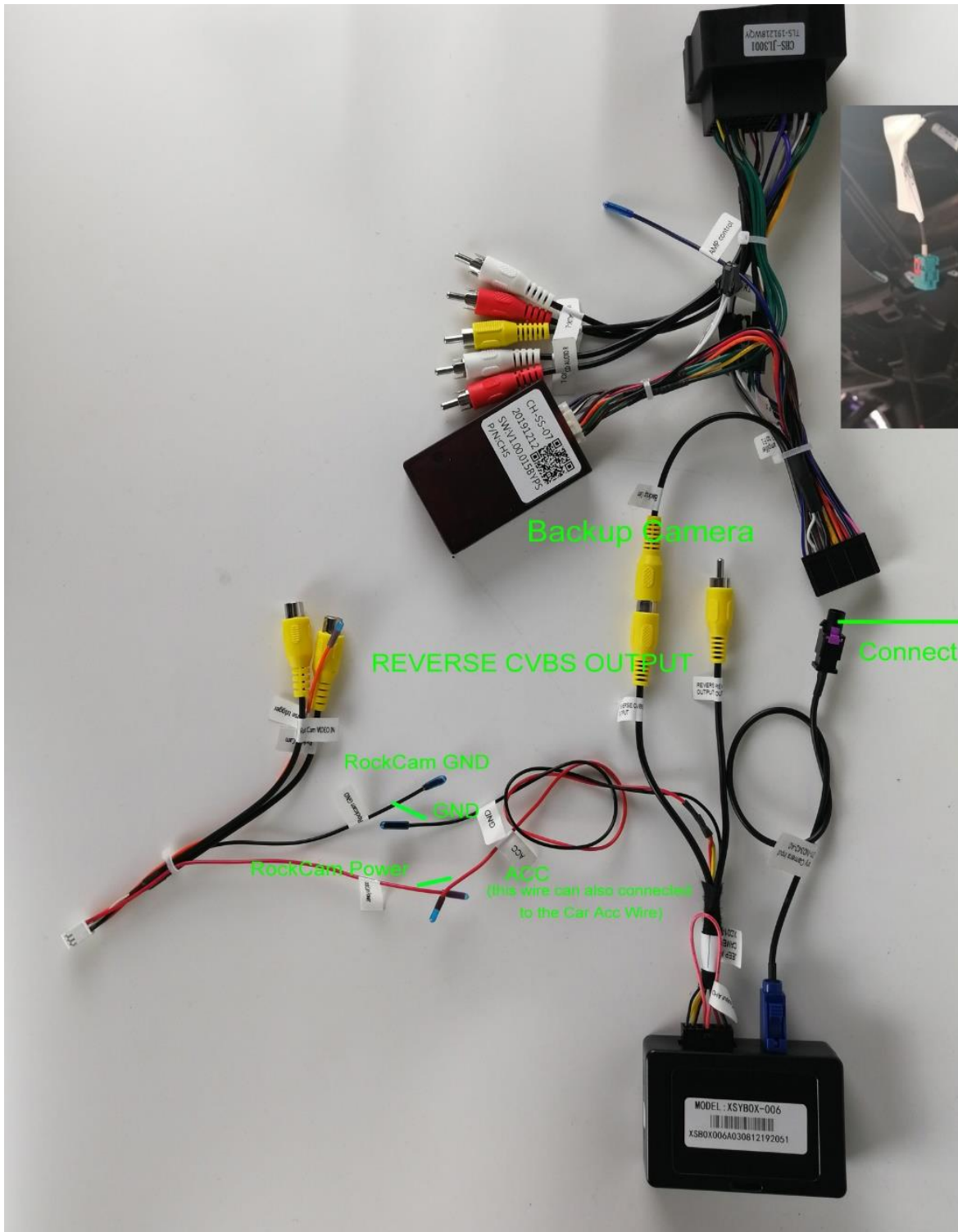
IV. CONNECTIONS

OEM Backup Camera

- Connect the "Rockcam GND" wire (from the RCA pigtail) to the "GND" wire (from the Black CanBus module: MODEL: XSYBOX-006)
- Connect the "Rockcam Power" wire (from the RCA pigtail) to the "ACC" wire (from the Black CanBus module: MODEL: XSYBOX-006)
- Plug in both cables "JEEP AHD CAMERA CABLE" and "Factory Camera Input" to the Black CanBus module: MODEL: XSYBOX-006
- Connect "REVERSE CVBS OUTPUT" (from the Black CanBus module: MODEL: XSYBOX-006) to the "Backup Cam" from the JL CanBus wiring harness (make sure to connect the Backup Cam wire from the black connector that plugs into the back of our head unit).
- Connect "Factory Camera Input" (from the Black CanBus module: MODEL: XSYBOX-006) to the OEM RED port.
- Connect Parking Radar Sensor speaker to "speaker" wire from CanBus wiring harness.

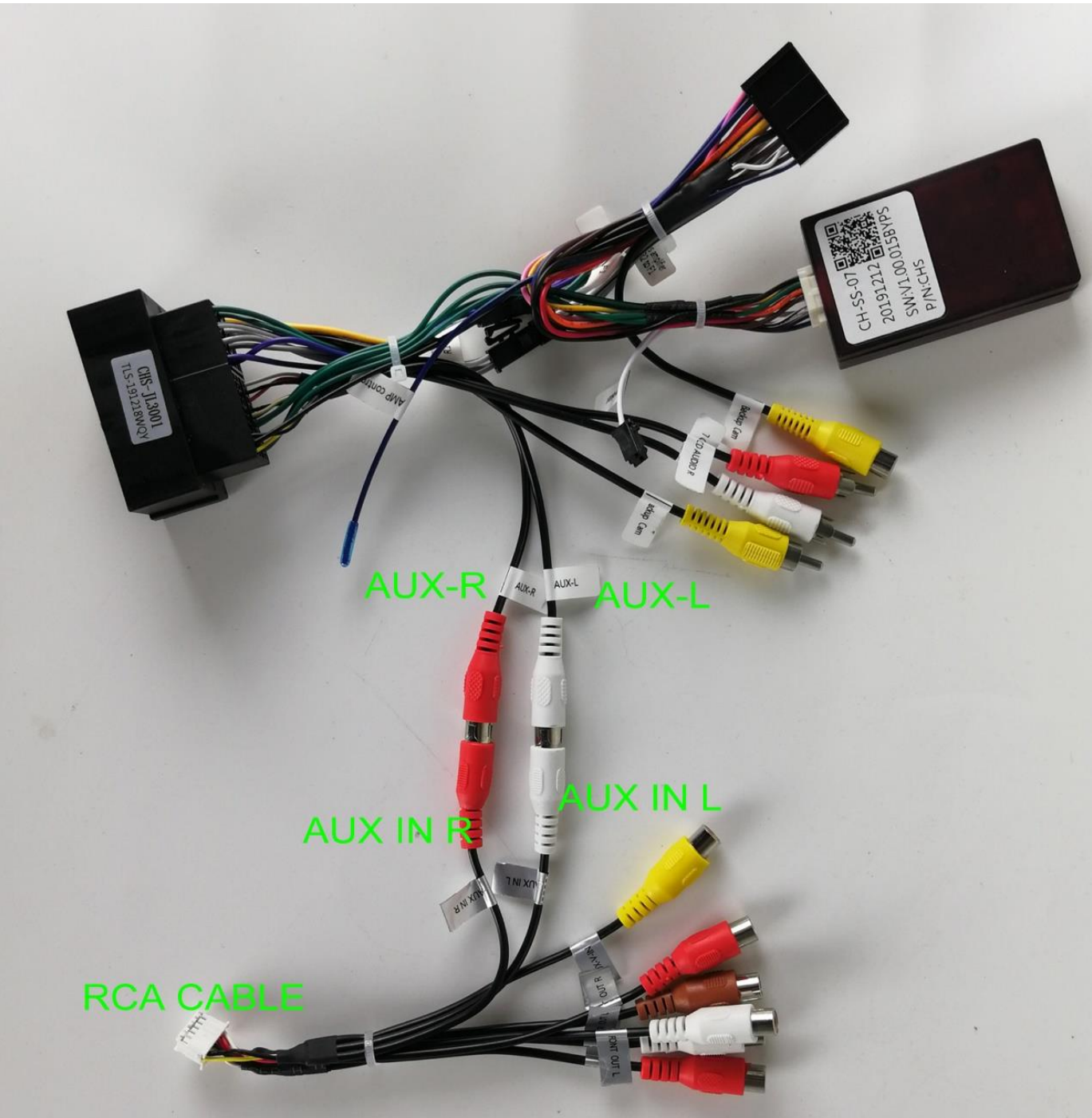


IV. CONNECTIONS



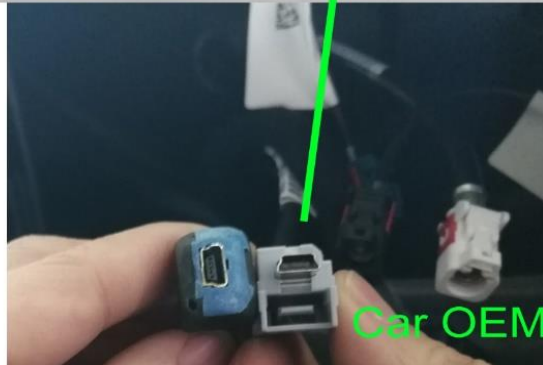
IV. CONNECTIONS

OEM AUX Connection



IV. CONNECTIONS

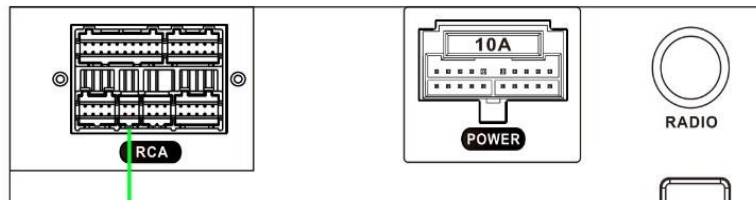
OEM USB Connection



Car OEM USB Port

IV. CONNECTIONS

External Mic Connection



Your JL3001 comes with a built-in Bluetooth microphone, but we also include a complementary high quality external mic that may work better in some applications. This external mic will work at just about any location, but we do have some recommendations as to placement. Try to keep this mic away from any windows, air vents, or speakers to avoid background sounds or feedback. Most folks do well placing this directly on the steering column as far away from your gauge cluster as possible.

IV. CONNECTIONS

Parking Radar



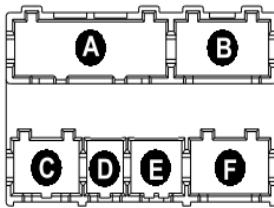
IV. CONNECTIONS

INSANE AUDIO

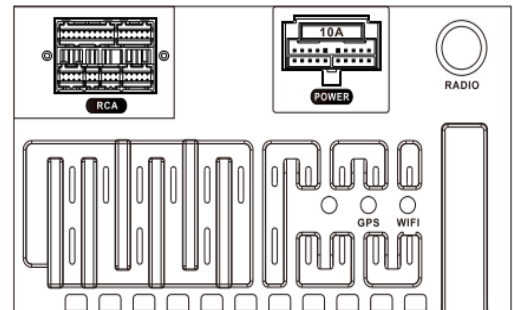
CIRCUIT DIAGRAM 

RCA

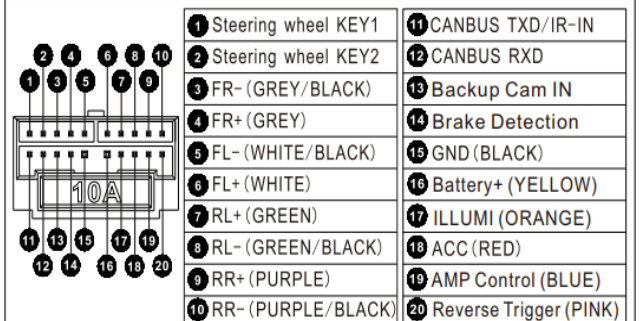
Voltage:DC12V
Current:MAX10A



A	1. USB 1 IN	C	InsaneTV
	2. USB 2 IN		D
B	1. Front L Audio Output	E	
	2. Front R Audio Output		2. RockCam GND
	3. SubWoofer		3. RockCam Video input
	4. Video Output 1		4. Backup Cam input
	5. Rear L Audio Output		5. Reverse Trigger
	6. Rear R Audio Output	F	1. USB A IN
	7. Video Output 2		2. USB B IN
	8. Video Input-AUX		3. USB 5V Battery Charging
	9. L Audio Input-AUX		
	10. R Audio Input-AUX		



POWER



WWW.INSANEJEEPAUDIO.COM

V. TIPS & TRICKS

- Your new JL3001 is packed with features... so much so that the best way to fully get familiar with it is to just go ahead and start using it!
- Be sure to check out our online user forum. It's a great place to share technical information and creative uses of your Insane Audio product. It's entirely free and here as a resource for our customers!
<http://insaneaudio.com/forum>
- There are quite a few safety features that come pre-enabled on the JL3001 such as the ability to watch video while driving. This can all be turned off through the settings. We don't recommend this, though. **PLEASE BE RESPONSIBLE AND ALWAYS KEEP YOUR EYES ON THE ROAD AND BOTH HANDS ON THE WHEEL!**
- Launch the Torque app for live engine data. There are tutorials on how to use Toque on our forum as well as our YouTube channel.
- Insane NavEngine can be accessed by pressing the navigation icon on the home screen. This will get you where you're going both on and off the road.
- Insane Audio's JL3001 comes with a microSD card slot. Load up a data card with movies or music and access the content via the VIDEO or MUSIC icons. Remember to format large capacity cards as NTFS first (NOT exFAT).
- Don't forget to remove the screen protector. That is only there for shipping and isn't needed once you've installed your new Insane Audio product.
- Feel free to get creative! Customize your new Insane Audio product, install apps, and make it yours!

Thank you!

You can always find out more information or view user manuals online at <https://insaneaudio.com/support>.

In addition, feel free to “like” us here:
<https://www.facebook.com/insanejeepaudio>

We hope you enjoy your new Insane Audio product and we’ll see you on the trail!

The logo for Insane Audio is rendered in a stylized, metallic, 3D font. The words "INSANE" and "AUDIO" are stacked, with "INSANE" on top and "AUDIO" below it. The letters are thick and have a reflective, chrome-like finish, giving them a three-dimensional appearance. The text is slightly tilted and set against a plain white background.

A. INSTALLING CAMERAS

Insane Audio's JL3001 is designed to support a backup camera as well as a front facing camera. You can use any camera that provides an RCA video signal. You also have the necessary adapters to re-use an OEM backup camera (where equipped).

Insane Audio has a few camera offerings that we highly recommend, as they have been designed and tested to work specifically with our head units. Like all Insane Audio products, our cameras are built tough and ready for the trail. You can see our cameras and other accessories at www.insaneaudio.com

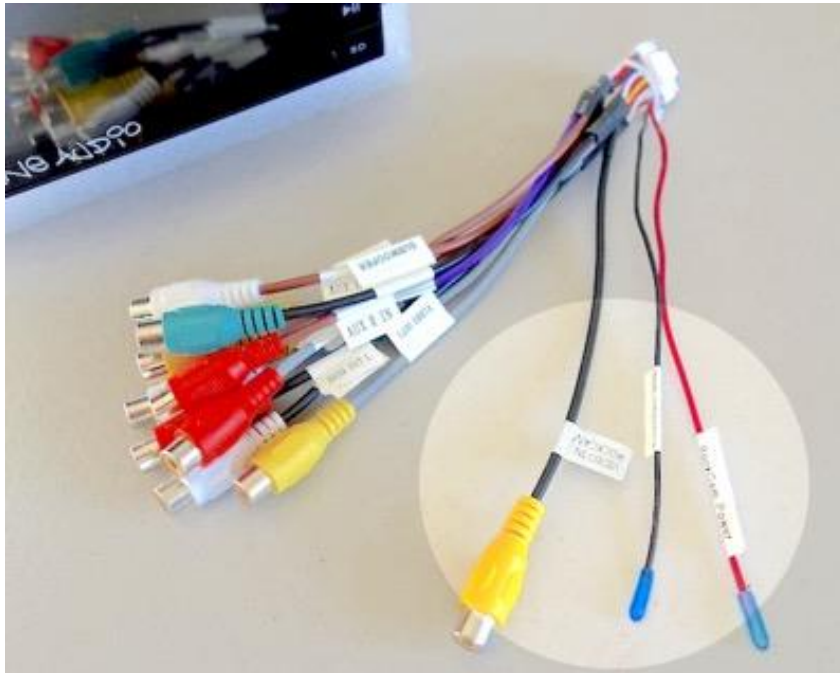
In addition, your Insane Audio head unit will also support things like wirelessly viewing and controlling a *GoPro* by downloading the appropriate app.

This appendix will cover the physical installation of backup and front facing cameras.

A. INSTALLING CAMERAS

The A/V pigtail offers two wires labeled “RockCam Power” and “RockCam GND” that automatically provide +12V whenever you reverse the vehicle or open the *RockCam* app.

We recommend you use these wires to power your front camera, your backup camera or both if you’ve got ‘em!

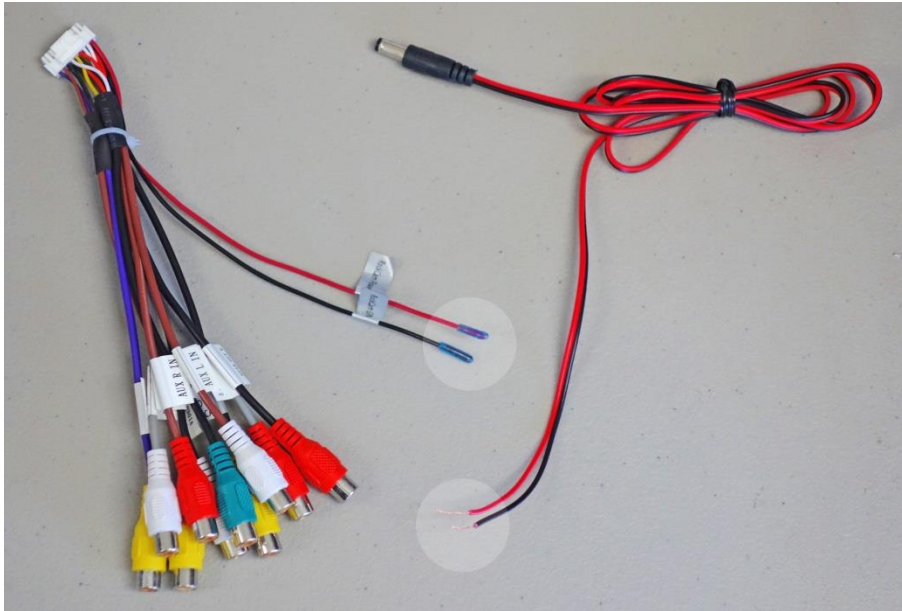


Before making any connections, unplug the A/V pigtail from the head unit and make sure that everything is powered off.

A. Installing cameras

BACKUP CAMERA INSTALLATION (NON-OEM)

For vehicles that don't already have an OEM backup camera, you will need to run the RockCam wires from the front of your Jeep all the way to your backup camera. Insane Audio's IACAM1 and IACAM2 include a DC power cable that you will wire directly to the red and black RockCam terminals. You will have to strip some insulation from the RockCam wires.

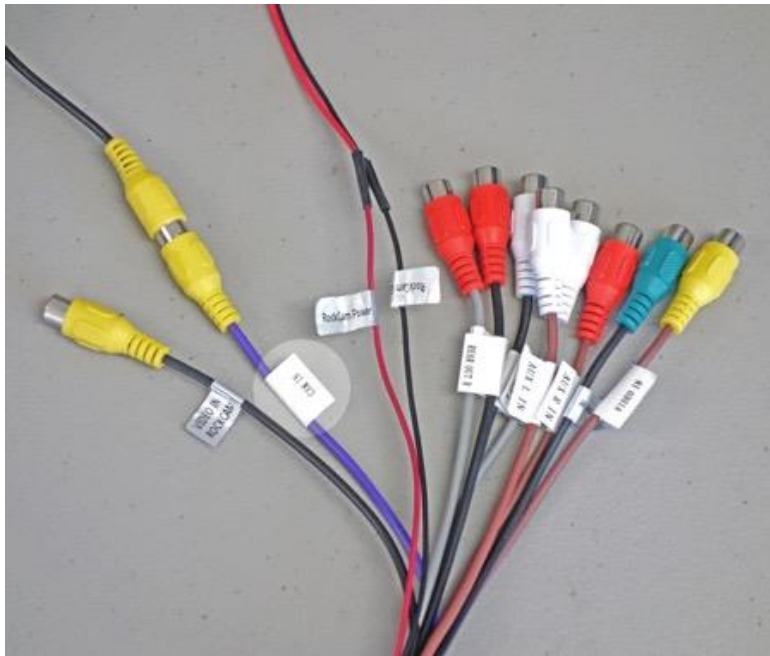


Protect the head unit by ensuring that the electrical connection is safely insulated.

Note that if you are not using cameras, then you should keep the RockCam power terminals unexposed and out of the way.

A. INSTALLING CAMERAS

The backup camera feed will connect to the “CAM IN” video input female RCA terminal. Insane Audio’s cameras include an RCA extension cable that you can run from the head unit to the rear of the vehicle.

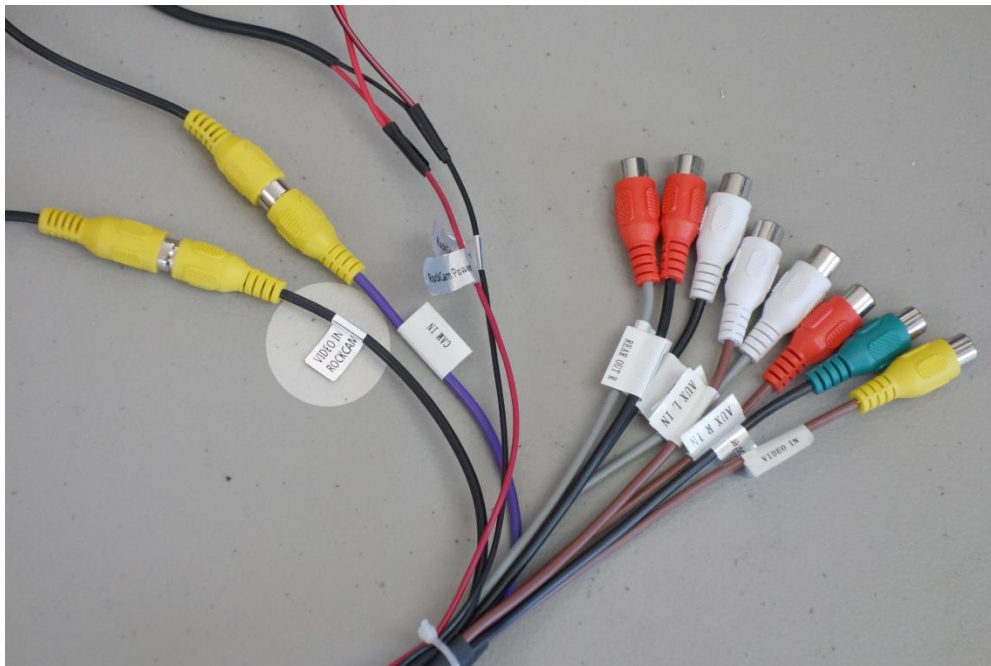


A. INSTALLING CAMERAS

FRONT CAMERA INSTALLATION

Installation of a front facing camera with Insane Audio's JL3001 is fairly simple. Connect the camera's power lines to the red and black RockCam terminals. Remember that these power terminals can support a front camera, a backup camera, or both cameras simultaneously.

Finally feed the IACAM2 video signal into the "RockCam Video In" RCA port.



At this point, you may plug the A/V pigtail back into the head unit and power everything back on.

A. INSTALLING CAMERAS

Check the installation by opening the *RockCam* app.



If you see a “No signal” warning, ensure that the front video feed is connected to “RockCam Video In” RCA port and the power wires are properly connected.

Note that with the RockCam app, you can even view any installed backup camera, too. Tap on the upper left camera icon to switch between front and rear views whenever you’re parked or moving forward.