

INSANE AUDIO

IACAM1

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IACAM1 is a universal, ruggedized, waterproof camera that can be used as either a front facing rock cam or as a backup camera.

While this product is designed specifically for Insane Audio's head units, it will work in other applications. This Installation Guide will focus only on Installation with Insane Audio's JK2001.

Installation is fairly straightforward. However, if you are not entirely sure how to properly install this item, we highly recommend consulting a professional installation technician.

If you need any additional information or technical assistance, feel free to reach out to us anytime, at:

support@insaneaudio.com

Also, be sure to visit our online user forum where you can get technical information, share ideas, and join the Insane Audio User Community! Check it out at:

www.insaneaudio.com/forum

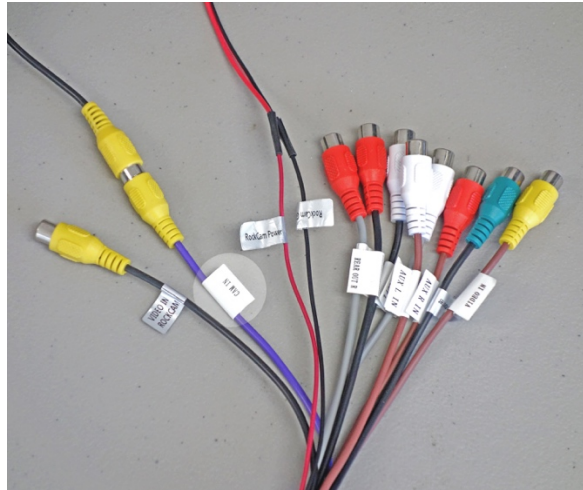
Enjoy your new camera and we'll see 'ya on the trails!

INSANE AUDIO

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ROCKCAM INPUTS

Your Insane Audio head unit has an accessory pigtail with a number of different connections available. This pigtail plugs directly into the rear of your head unit. Note the CAM IN and ROCKCAM VIDEO IN ports below.



MOUNTING OPTIONS

IACAM1 can be mounted just about anywhere you'd like and can be used as either a front facing camera or as a reverse camera. Either way, we recommend placing the camera in your desired location first then check the viewing angle on your screen before permanently mounting.

INSTALLING A S A BACKUP CAM

1. Place the camera in the desired location.
2. Power your camera from the RockCam Power Out and ground wires on the accessory pigtail. These wires can support up to two cameras.
3. Run the video extension cable from your IACAM1 to the CAM IN port.
4. Seal all connections with waterproof tape or wire connectors
5. Test your camera by placing your vehicle in reverse, adjust the viewing angle as necessary. Mount camera to vehicle when proper angle is reached.

Insane Audio's JK2001 is pre-wired to automatically work with a reverse camera and your camera should automatically display when the vehicle is in reverse.

INSTALLING A S A FRONT CAMERA

1. Place the camera in the desired location.
2. Power your camera from the RockCam Power Out and ground wires on the accessory pigtail.
3. Run the video extension cable from your IACAM1 to the RockCam Video In port
4. Seal all connections with waterproof tape or wire connectors

You can access your front camera through the RockCam app.

PROGRAMMING IACAM1

Insane Audio's IACAM1 has a single push button switch that enables you to program certain core features of the camera to support different vehicle applications.

The switch modes are based on continuous button press times. You first need to enter the desired programming mode, then you can toggle options.

To enter a desired programming mode, press the button continuously in 0.5 sec intervals after the button is depressed.

After the camera goes into a specific mode, you can toggle features by pressing the button again between 0.5 and 3 sec. After 3 sec, the camera will return to default mode.

You may revert to factory settings by holding down the button for 3 sec.

IACAM1 PROGRAMMING MODES

1. Turn on/off guide lines (default mode)
2. Image upside down/left and right reversal
3. Image system NTSC/PAL shift
4. Guide line selections
5. Guide line shift up and down
6. "Stop" warning
7. Display figures on guide lines
8. Guide line inclination
9. Image shift

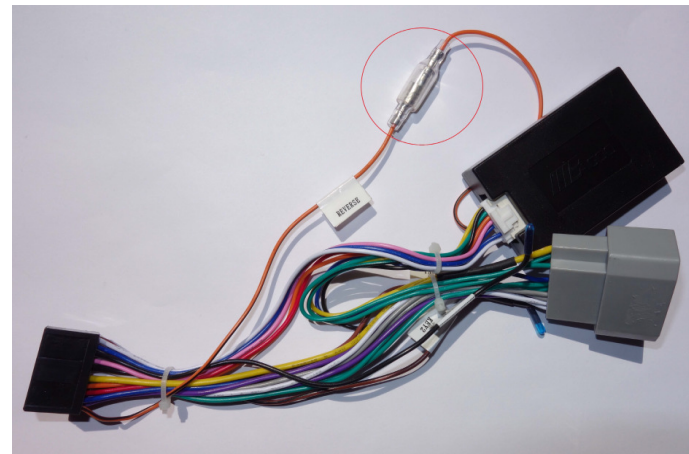
TROUBLESHOOTING FOR REVERSE CAMERA APPLICATIONS

Once everything is properly connected, if you place your vehicle in reverse and you see a "No Signal" warning, then that means that you aren't getting a clear signal to the CAM IN port. Be sure to double-check that your power and video connections are solid.

JEEPS

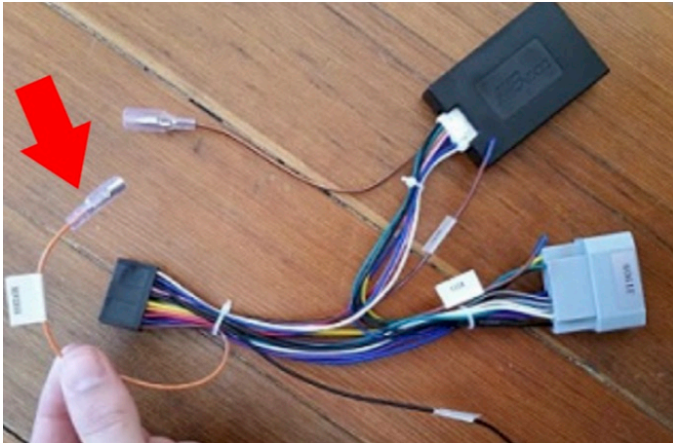
Insane Audio's JK2001 is pre-wired to automatically work with a reverse camera and your camera should automatically display when the vehicle is in reverse.

If everything is properly connected and you are still unable to see images from the camera when in reverse, be sure that the REVERSE connectors on your JK2001 is properly connected.



MANUAL TRANSMISSION JEEPS

If you have a manual transmission in your Jeep and your camera is not activating when in reverse, simply run a wire from your reverse lights directly to the head-unit side of the orange reverse trigger wire.



SPECIFICATIONS

Image sensor

1/4" color CMOS

TV system

PAL/NTSC

Effective pixels

628 x 586

Sensor size

5.78mm x 4.19mm

Resolution

480TVL

Minimum illumination

0.3LUX/F1.2

Lens

3.6mm/2.8mm/1.8mm

SNR ratio

>48dB (AGC-OFF)

Electronic shutter

1/50 – 1/10000 sec

Video output

RCA connector

Viewing angle

170°

Maximum current

150 mA

Power supply

9-24 VDC

Operating temperature

-22°F – 122°F, RH 95%

Storage temperature

-30°F – 150°F, RH 95% Max

Weight

700 g

Other function

AWB, AGC, BLC

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