

# 7710 WiFi Backup Camera

*IMPORTANT: The Rampage WiFi Backup Camera is intended only for temporary low speed use such as; hooking up trailers or backing up/parking situations. It is not intended for high speed travel and may not stay attached to the vehicle. Please remove before traveling at high speeds.*

## Operating Instructions

The logo for Rampage Products features a large, stylized letter 'R' on the left. The 'R' is composed of a thick, black, brush-stroke-like line that tapers at the top and bottom. To the right of the 'R', the word 'RAMPAGE' is written in a bold, black, sans-serif font. Below 'RAMPAGE', the word 'PRODUCTS' is written in a smaller, black, sans-serif font.

**RAMPAGE**  
PRODUCTS

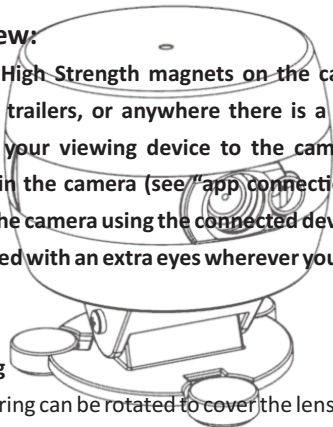
## Operation

### Overview:

Use the High Strength magnets on the camera's mount to attach to vehicles, trailers, or anywhere there is a magnetic surface available. Connect your viewing device to the camera using the built in WiFi hotspot in the camera (see "app connection" for details). Adjust the view of the camera using the connected device as a viewer, then back up as required with an extra eyes wherever you need it.

### Dust Ring

The dust ring can be rotated to cover the lens, switch and plugs when the camera is not in use.



## **Charging**

With power switch in off position, connect the camera to a computer or power supply with the included USB cable. While charging, the red light next to the switch will illuminate and then shut off when it is fully charged. The camera can be operated while charging, this will be indicated by the blue light flashing and the red light staying solid.

## **Downloading iOS App & Android App**

Please download the appropriate app for your device. The iOS app is available free in the Apple Store, and the Android app free in the Google Play store. Search for “**RamCam**”.

## **Power on / Connecting to the app**

Slide the on switch to “ON” position. While the blue light is solid the device is in start up mode. Once the blue light begins to slowly blink it is ready to connect to your device. **NOTE:** For iOS (Apple) the WiFi must be

connected before using the app. Connect to the cameras WiFi hotspot before opening the app (instructions below). For Android WiFi will connect automatically when the app is opened.

**To connect to the WiFi on an iOS device:**

Open “Settings”, find the “WiFi” tab and open it, watch for a WIFI device named “fh8610cam-aca\*\*\*\*\*”, select it, and then use the default password: “12345678” when prompted. Once the device is connected, exit “Settings” and open the RamCam app.

**Rotation**



Use the Rotate button to rotate the cameras view.

**Recording & Taking Photo**



Use the red circle icon to start recording video. The video will be recorded onto the connected device not onto the

camera and will continue to record until it is pressed again to stop. Recording is indicated by the icon being a red square instead of a circle. Videos are stored in the app's file folder and can be played back from the app or transferred to the "Camera roll" on the iOS device.



**To take a picture**, press the camera icon and the current view will be saved to the app's file folder on the device. Photos can be transferred to the "Camera roll" folder on iOS devices as needed.

### **LED Light**



Use the light bulb button to turn the LED on and off.

### **Settings adjustment**



The settings button brings up controls for picture quality and also to allow changes to the password settings on the camera.

## **File Access**



The files icon allows access to the files recorded on the device via the camera app, and allows the user to transfer the files as required for use in emails or elsewhere.

## **Auto shut down**

If the battery voltage drops below a set point the camera will automatically shut down. This will be indicated by the blue light flashing rapidly. Be sure to switch the device off if this happens.

## **Troubleshooting and Helpful Hints:**

**\*\*Always be sure you have that latest updates for both the viewing device and the app.\*\***

### **App does not connect to camera:**

\*Be sure the WiFi is connected before opening the app on iOS devices.

\*On Android, be sure the password is set correctly in the app and that the camera shows as connected in the Android devices WiFi connections screen. NOTE: Android devices vary in terms of where the WiFi connections screen can be found. Please refer to the manufacturer of the devices instructions for clarification.

\*Once the WiFi is connected to the camera, if the app still does not connect, try shutting the app down and restarting. Be sure the app is completely closed before restarting, not just running in the background but not shown on screen.

\*If the app locks up/freezes the image, turn the app off and then back on and see if it solves the issue. If this does not work, shut down the camera and the app, wait a few seconds, and then re-connect.

### **Screen Rotation/ Image adjustment**

\*Use the viewing devices screen lock function with the rotation button in the app to hold a specific view as needed. This can help to maximize the view on the device.

\*Use the full screen zoom button to zoom on smaller screen devices. On the iOS app you can scroll around the zoomed image with your finger to see all of the available view even though it does not show all at once.

\*Use the Contrast and Brightness controls in the “Settings” tab to adjust for bright sunlight or dusk light conditions.

\*If the video playback slows down and is not keeping up with movement, restart the app to reset the connection. If that does not work, try re-connecting to the WiFi. This can be due to interference from other devices nearby.

### **Battery**

\*The battery should hold a charge for at least 6 months at a time if fully



charged but it should be recharged at least once every few months to ensure no damage comes to the battery. There is a low voltage shutoff function on the camera that automatically shuts it down, but the switch should not be left on once the camera shuts itself off, and the camera should be recharged as soon as possible to keep from damaging the battery.

**General suggestions:**

\*The Camera is not waterproof and should not be used in rain or wet environments.

\*Remember not to drive at high speeds with the camera installed on the outside of a vehicle, it is only designed for low speed use.

\*Use the dust ring to protect the lens and the USB charging point when the camera is in storage.

\*Always check the USB charging point to be sure nothing is inside that might stop the plug from being properly inserted, never force the plug.

## **Specs:**

**Standard:** IEEE802.11b, IEEE802.11g, IEEE802.11n (1t1R Modes)

**Frequency Range:** 2.402-2.4835 GHz

**Transmit Power:** IEEE802.11g 12±1.5dBm Channel: 1~11, 1~13, 1~14

### **Modulation Mode:**

802.11b DSSS (CCK, DQPSK, DBPSK)

802.11g/n OFDM (BPSK, QPSK, 16QAM)

### **Wireless Rate**

802.11 2, 1 Mbps

802.11b 11, 5.5 Mbps

802.11g 54, 48, 36, 24, 18, 12, 9, 6 Mbps

802.11n 150 Mbps (MAX)

**Operation Mode:** Ad-Hoc and Infrastructure

### **Audio:**

Audio Input: Built-in Microphone

Audio Compression: ADPCM

### **Video:**

Codec: H.264 image sensor 1/4" color COMS sensor

Lens Type: Glass (HD Lens)

**LED lamp:** High power LED

Image Frame Rate: 30fps (VGA)

S/N Ratio: > 48DB

Transmission Distance: 30 -50 meters (100'-170') direct line of sight

Working Frequency: 2.4GHz

Product net weight: 126g

**Power:** DC 5.0V (Charging via USB cable on standard USB port)

Charging time: 3 hours

Working time: 3-4 hours

Standby time: 800 hours

Charging Socket: Mini 5pin USB

Battery: built-in rechargeable lithium battery (1200mAh)

**Color:** Black

**Product Dimension:** 8.5\*7.5(diameter)CM

**Color box dimension:** 12.9\*8.9\*20.5 (L\*W\*H)CM

## **Warranty Information**

Rampage products, Inc. warrants to the original purchaser of the Rampage WiFi backup camera, that the product will be free of defects in material or workmanship for a period of 90 days from date of purchase. Such obligations under this warranty shall be limited to the repair or replacement, at Rampage products discretion, of any assembly or parts which, upon examination by Rampage products, Inc. proves to be defective. All defective items must be returned with proof of purchase to Rampage products, Inc., freight prepaid. This warranty does not cover damage resulting from abuse, misuse, alteration, accident or damage in transit. Rampage products obligations under this warranty are limited to the aforementioned repair or replacement of warranty defects for which the return authorization has been received during the warranty period, and Rampage products, Inc. shall not be liable for any incidental or consequential damages arising from breach of this or any implied warranty.

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