

# Remote Coach Monitoring

## By Lt Dan McDonald

After last Winter's Snowmageddon, I've been looking for a way to monitor AC power, 12v power and temperatures in the coach remotely. I ran across this company called RV Whisper that makes a central monitor device which connects to temperature sensors, battery voltage sensors, motion detectors and even the Hughes Watchdog EMS. It can also interface with SeeLevel BT tank levels, their own propane monitor, door sensors, water leak sensors and Pressure Pro tire monitors.

The Hughes Watchdog will work at the coach on BlueTooth with their app, but the problem is it doesn't record the past values. Once it loses power, then all of the power data is gone. It does give a fault code, but no way to track voltage spikes or fades over time. The RVW Monitor records the readings from all sensors and they can be displayed over a period of hours, days, weeks or months. I don't know how long the data is maintained, but it's at least a month.

The RVW Monitor can be accessed by BlueTooth on any phone or tablet while at the coach using their app, or it can be connected to an internet gateway in the RV to allow remote monitoring. When it's connected to the internet, the information can be accessed from anywhere using their app on a phone or tablet or from any computer browser as well. The one drawback I have found is the location of the monitor is critical so that the BlueTooth sensors can communicate with it. I had to play with a few locations to find the best.

All of the sensors have user controllable alert settings and the monitor will send email alerts or text messages. Email and text alerts are through their gateway and one year of use is included. After that access is only \$42 per year, or it can be configured to use another email server if you are capable of setting that up.

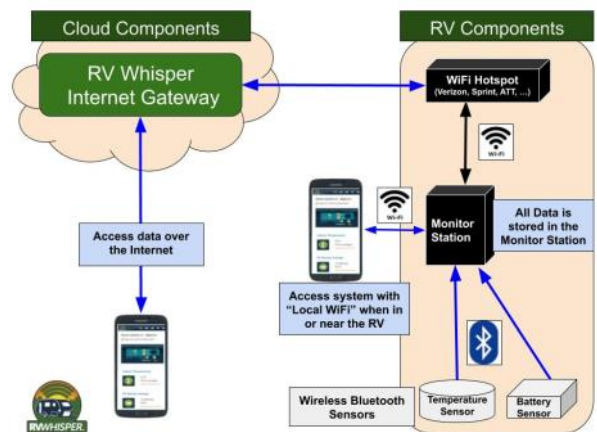
For more information, go to [www.RVWhisper.com](http://www.RVWhisper.com)



RV Whisper Monitor w/Power Supply



Temperature Sensor



How it connects remotely through the "Cloud".



50 Amp Hughes Watchdog w/EPO (Emergency Power Off)



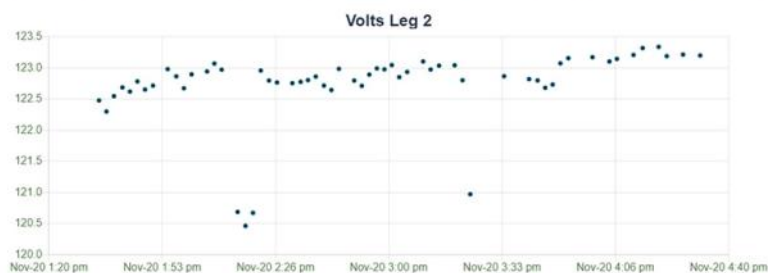
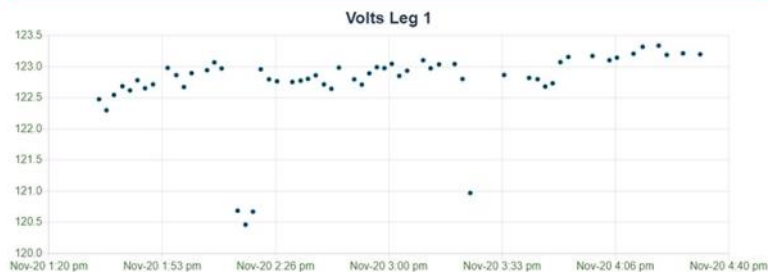
Graphical Interface with Sensor Locations. All you have to do is click on one to pull up full information.

McD

Shore Power



123.2 Volts L1  
123.3 Volts L2  
0.8 Amps L1  
1 Amps L2  
1.1 KWH Total  
204.8 Watts Total  
0 Error Code  
Last Updated: Nov 20, 2021 4:31pm



Here are a few examples of the types of information stored and displayed through the RV Whisper.

On the left is a display of the Hughes Watchdog EMS showing the voltage levels over a three hour period. This is when the coach was hooked up to a 30 amp service and you can see a couple of voltage drops when appliances were turned on. It also records amperage draw, wattage used on each leg and total kilowatt usage which can be important for those paying for monthly electric usage.

Below shows the House Battery levels over a four hour period where it went into Bulk Charging for about an hour after the shore power had been disconnected for a while then dropped back to Float Charge for the remainder.

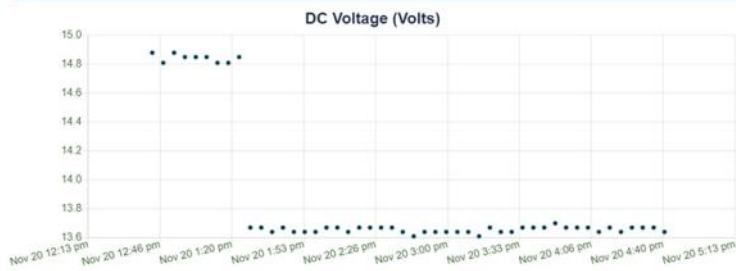
Bottom left is a graph of the temperature in the rear bathroom over a three hour span. The temperature sensors also record humidity levels.

All of the sensors also monitor their internal battery level, whether the sensor loses contact with the monitor and if the sensor goes off line for some reason.

House Batteries



13.6 Volts  
Last Updated: Nov 20, 2021 4:45pm



Rear Bath



69°F  
58% humidity  
Last Updated: Nov 20, 2021 4:39pm

