

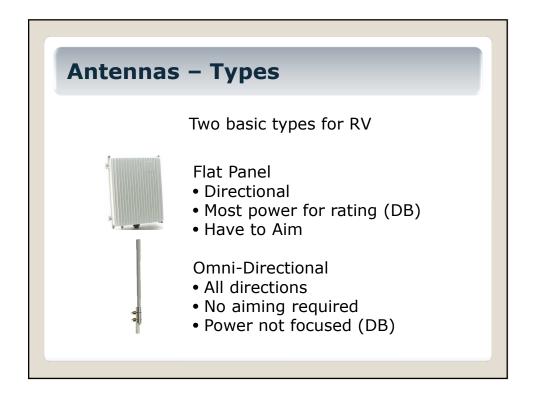
### Antennas – USB Wi-Fi Extenders

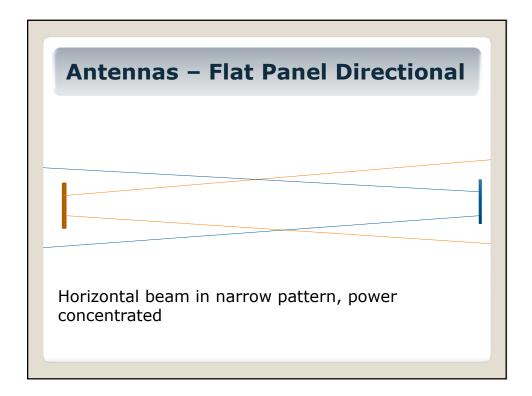


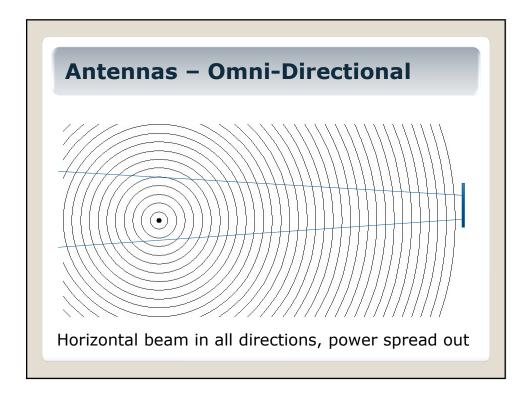
The USB wireless adapters are really integrated wireless radios and antennas. The USB cable has a length limit of 5 meters.

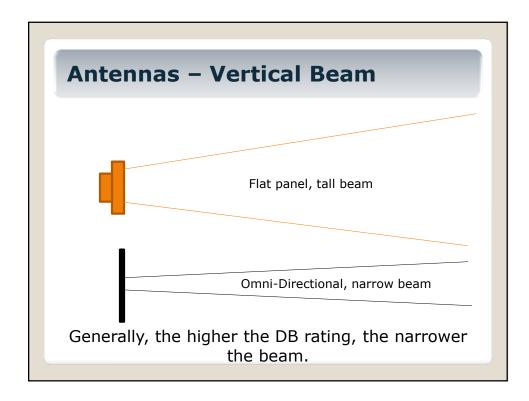
There are powered extension USB cables that can go long distances but they induce time delays that will probably not let the USB wireless adapter work effectively.

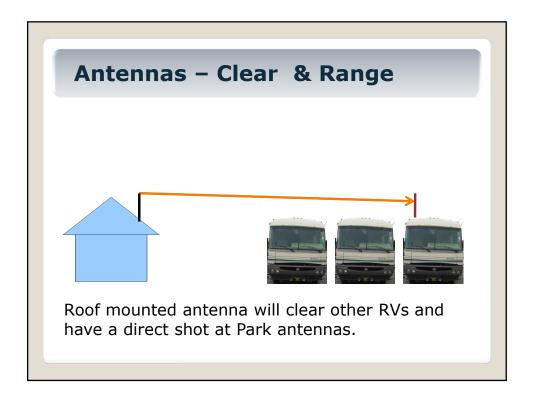
Effectively limited to the inside of the RV. Gain some range but still subject to other RV interference.









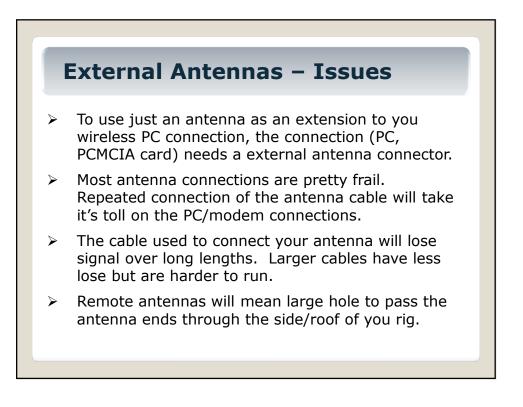


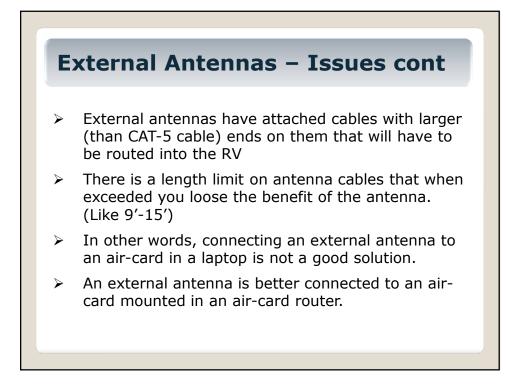
### Antennas – Mounts – Wi-Fi

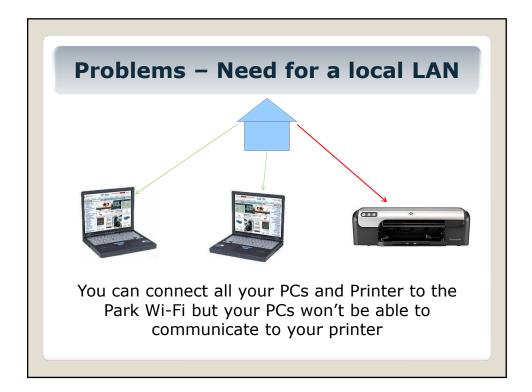
This antenna comes in the 8 db (db is a power rating) range. The base of the antenna has a screw mount that fits marine antenna mounts.

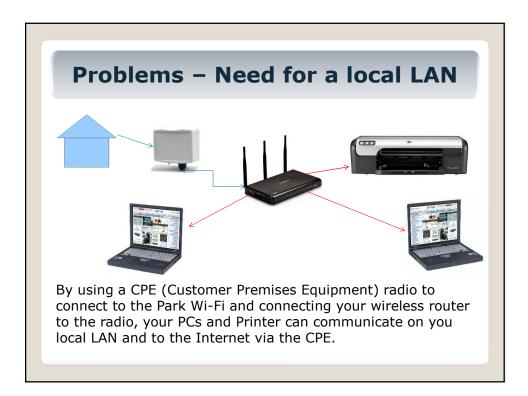
Marine mounts come in stainless steel and plastic. The plastic is plenty strong enough and wind loads on boats antennas is high and a lot more cost effective.

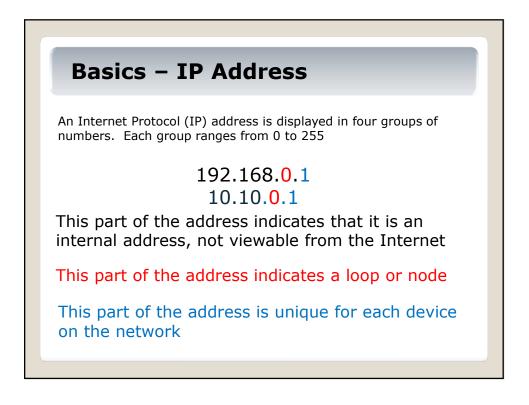
These mounts allow the antenna to be swung down for traveling.

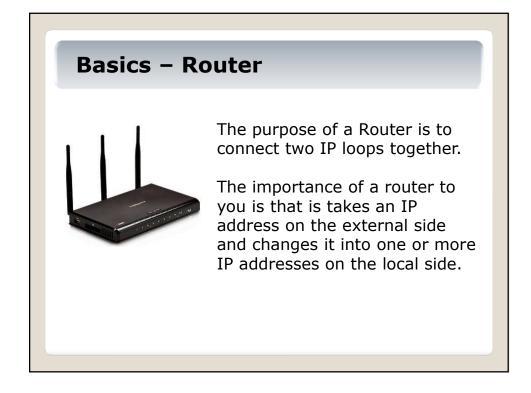


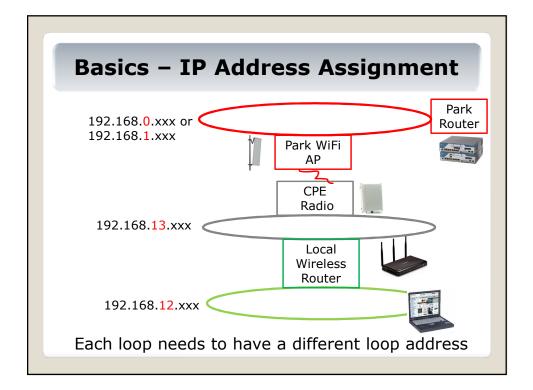










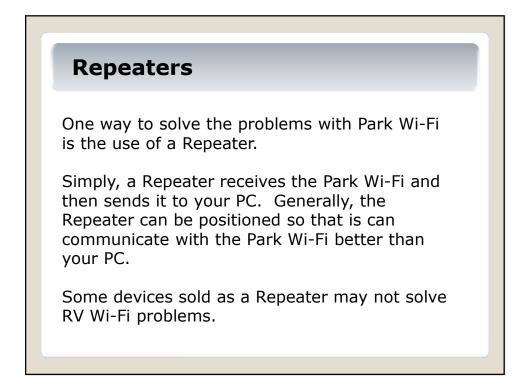


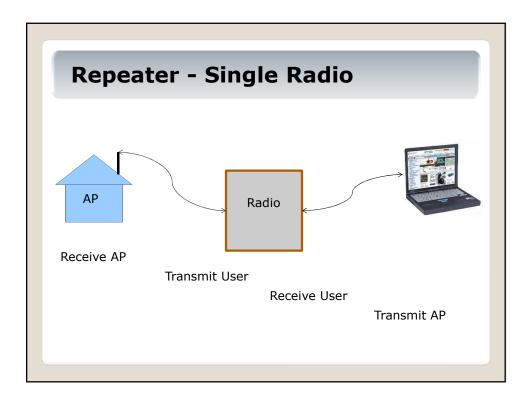
# **Basics – Router LAN IP Range**

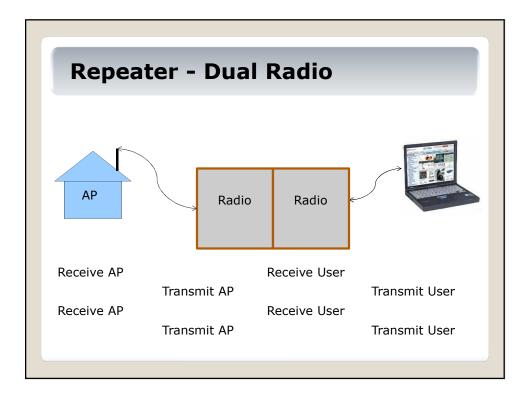


Since the park Wi-Fi will often use 192.168.0.n or 192.168.1.n ranges, it is good for you to use an IP node that is much higher, like 192.168.11.n

Note: some routers like the WIFIRanger use a default local IP address scheme that takes care of the issue of having the same IP address as the Park AP.







## **Park Repeater**

Parks often use Repeaters to extend the Park Wi-Fi from the office to the extents of the park.

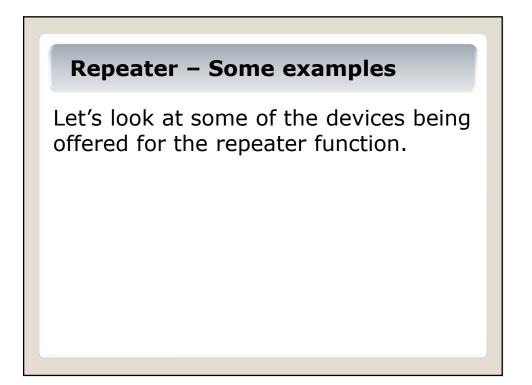


Many Repeaters used for Park solutions have two radios in them, often working at different frequencies.

One frequency from the park office, the other to the end users.

This radio uses 5 GHz for the park office and 2.4 GHZ for end users.

If parks are using repeaters, you probably don't need assistance in receiving the Park Wi-Fi.



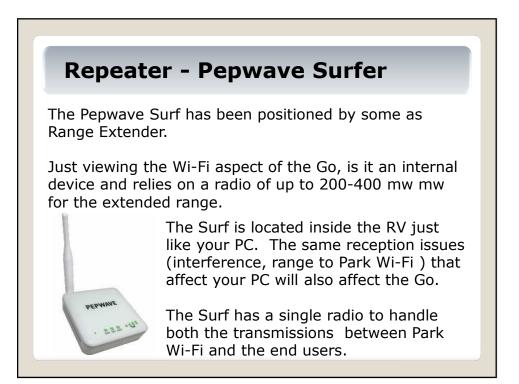
### **Repeater - Range Extender**

Many electronic stores will sell a Range Extender to RVers to solve your reception problems.

They do receive and retransmit signals like a repeater.



These Range Extenders are located inside the RV just like your PC. The same reception issues (interference, range to Park Wi-Fi ) that affect your PC will also affect this Range Extender



### **Repeater - WFR Home**

The WFR Home is a repeater.

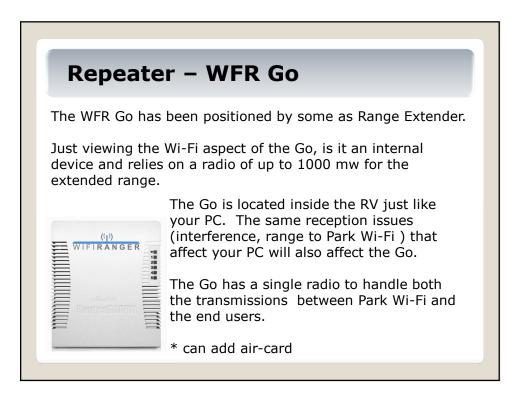
Just viewing the Wi-Fi aspect of the Go, is it an internal device and really is full expanding Wi-Fi internally.

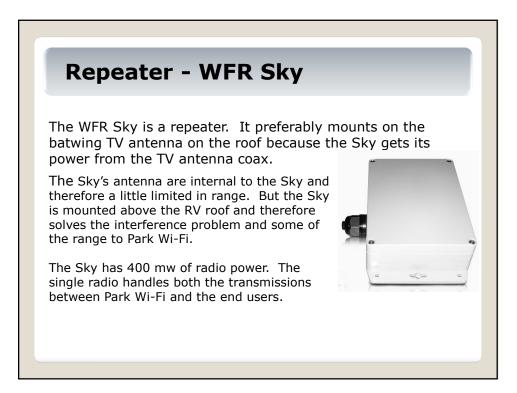
(j)) WIFIRANGER

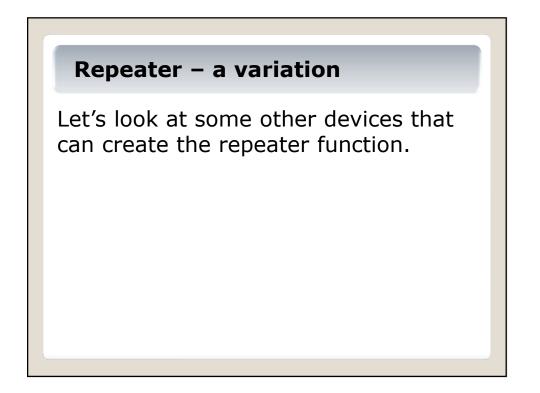
The Home's antenna are internal to the Home and therefore a little limited in range.

The Sky has 79 mw of radio power. The single radio handles both the transmissions between Park Wi-Fi and the end users.

\* can add air-card







## **Repeater – WFR Mobile**

The WFR Mobile is not a repeater. It acts as a Customer Premises Equipment (CPE) device.



The Mobile is a radio mounted on the roof that delivers the signals it captured via a CAT-5 cable to inside the RV to your PC.

The Mobile has a single radio to handle only park Wi-Fi transmissions with a 600 mw radio.

The Mobile is half of a repeater.

Note a Ubiquiti Bullet radio and antenna is a simple equivalent.



