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Wireless Packet Info

Example:

```
Received (RX) 72824 OK, 36413 errors
Transmitted (TX) 30792 OK, 1 errors
```

In my wrt54g if i chose the right antenna for reception and the left one for transmiision the number of error fell even if i use my bluetooth headset

How can one avoid all these errors?

- Do a site survey under **Status -> Wireless** and find out what channels in your area are NOT being used and set it in your **Wireless Basic configuration**. Also setting the wireless Channel to **Auto** will dynamically config the channel and channel width. Much more user friendly feature for basic users.
- Selecting an unused channel works, but one must choose a channel that is two channels (10Mhz) separated from the the adjacent occupied channel. There will still be interference with one channel separation.
- If you see the RX errors constantly increasing regardless of network traffic, try the 'wl interference 2' command (via the Admin?Commands interface). This forces Wireless LAN interference mitigation to be enabled. The default of 3 (automatic) might be failing to activate despite the AP being in a heavily WiFi congested area. If this helps, you can save the command to be run automatically at boot time using the "Save Startup" button. (See also [Startup Scripts](#).)
- The bottom line is that the high RX error rate is due to **Radio interferences from neighboring Wi-Fi, Bluetooth, Cordless phones, Cellular phones, Speakers, Microwave Ovens, Fans, and even Florescent lamps**. If this is happening to your AP, you may want to tweak the Channel, Bluetooth coexistence mode, **and dissociate the AP from any sources of interference**.

Another important Aspect

Placing the router in the **highest** area possible is essential, as this will provide greater radio coverage.

For routers with **external** antennas, orientation of the antenna(s) is **very important**.

- For **Single** antenna models, it should be placed **90°** (L Shaped) with respect to the flat side of the router.

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- For **Dual** antenna models, the orientation should be **120°** (V Shaped) with respect to the flat side of the router.
- For **Multiple** antenna models, they should be oriented at **45°**. (W Shaped) For example, on an Asus WL500W the middle antenna should be angled at **90°**, and the other antennas should be separated at **45°** angles.