

## HR200 WiFi compatibility note

### What type of access point is required

Any 2.4 GHz wireless access point capable of one or more of the supported encryption types listed below should work. The access point **MUST** also allow connections from 802.11g devices.

### What encryption types are NOT supported

- 1) 64 bit WEP
- 2) WPA-PSK + AES
- 3) WPA2-PSK + TKIP
- 4) WPA-Enterprise
- 5) WPA2-Enterprise

These options are not supported because the radio module in the HR2 doesn't implement them.

### What encryption types are supported

- 1) No encryption
- 2) 128 bit WEP
- 3) WPA-PSK + TKIP
- 4) WPA2-PSK + AES

There are a few terms here which can appear with different names on different access points. For instance, WPA-PSK can also be referred to as WPA-Personal. Similarly, WPA2-PSK can also be called WPA2-Personal. Some access points may refer to AES as CCMP instead.

There is an additional limitation on the 128 bit WEP option. The actual key needed for 128 bit WEP is 26 hexadecimal<sup>1</sup> characters. The Configurator software allows you to enter either the 26 hexadecimal characters or 13 ASCII<sup>2</sup> characters. The Configurator will convert the 13 ASCII character into the 26 hex characters as you type. However, this conversion is unusual and may not be supported by most access points. If the WEP key in the WAP is not 13 or 26 characters, please try using the tool that can be found at <http://www.wepkey.com/>.

Also note that many access points support "auto" modes for WPA+WPA2 or TKIP+AES. Some access points are known to not work if these "auto" options are used.

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<sup>1</sup> Hexadecimal characters are 0 through 9 and A through F.

<sup>2</sup> Without getting too technical, ASCII characters are basically anything on your keyboard.

If an access point claims to implement all of the requirement listed here, but still does not work, then Engineering should be informed. The important information is the manufacturer, model number, and software version.