



TECH ARTICLE

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Topic / Issue: How to Configure a Wireless Bridge using both AP and Bridging Firmware-WLB2454AP-S

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The following technical article explains how to Configure a Wireless Bridge using both AP and Bridging Firmware.

The central access point will be loaded with AP Firmware and will act as a standard Access Point.

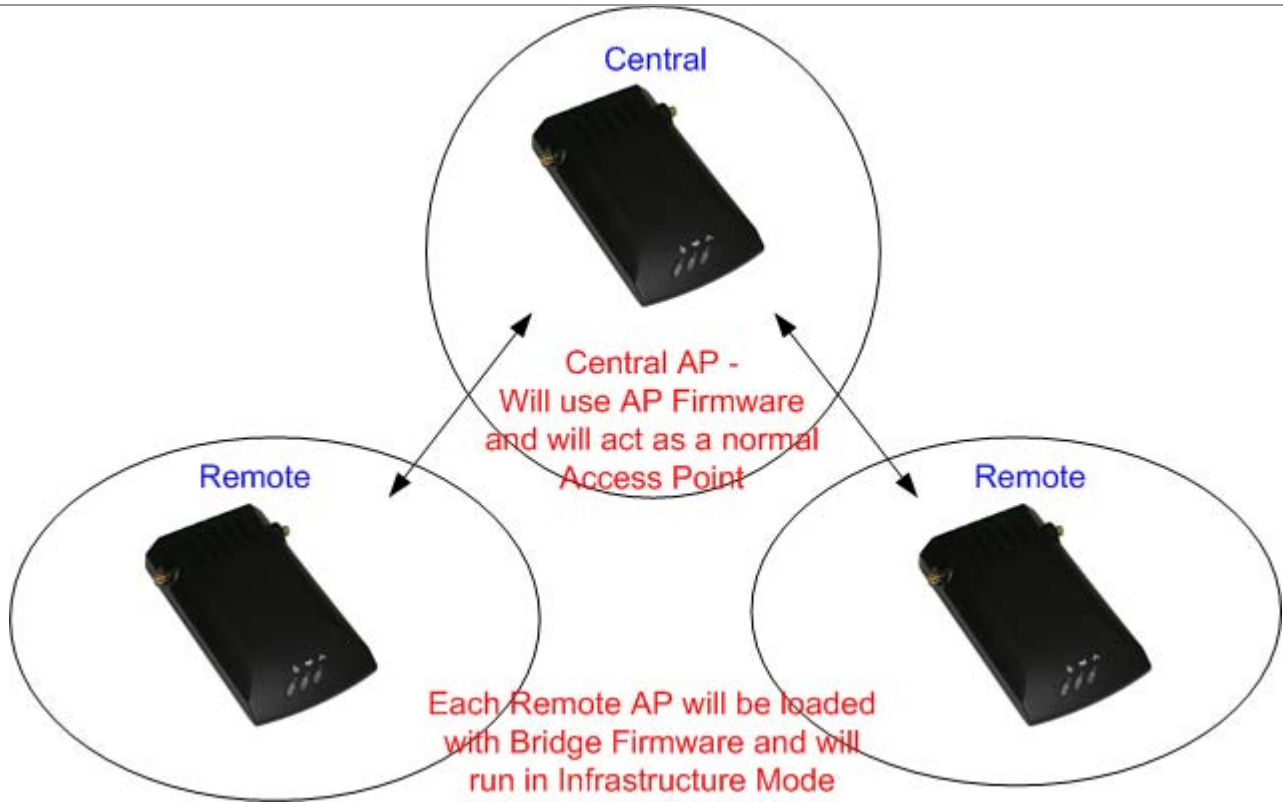
Each remote site will have a WLB2454AP-S loaded with Bridging Firmware.

The benefit of having the central AP loaded as an Access Point, not a bridge, is that it will repeat signals to and from all remote Bridging AP's.

The screenshot shows the configuration interface for an 802.11g Bridge. At the top, there are navigation tabs for Info, Configuration, Encryption, Advanced, Admin, and Help. The main heading is "802.11g Bridge" and the sub-heading is "Basic Wireless". Below this, there is a section for "Wireless Network Type" with radio buttons for "Infrastructure" (selected) and "Ad-hoc". A note explains that "Infrastructure" connects to a wireless access point, while "Ad-hoc" connects to another bridge or wireless station. Below this are fields for "Wireless Network Name (SSID)", "Desired BSSID", "Channel", and "Transmission rate (Mbits/s)". Each field has a text input box and a dropdown menu. A note at the bottom explains that the transmission rate is the speed at which the bridge will transmit data, normally set to "Best (automatic)".

Each remote AP will be configured in Infrastructure mode allowing them to act as a wireless client and connect to the central AP.

The central AP will then be able to repeat signals to the remote bridging AP and their respective LAN connections.



Note:

Any wireless client will be able to make a connection with the central AP, if they know the appropriate settings.

Summary:
(If required)