

Topic / Issue: Configuration of Multiple Bridge Mode- GL2422AP-S

Written By: Scott Young

Please read the following configuration guide for setting up Multiple Access Points in Multiple Bridge mode.

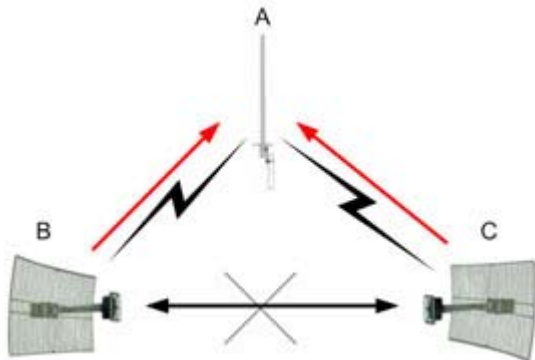
When using the GL2422AP-S in Multiple Bridge Mode the Access Point will not act as a repeater.

ie. When transmitting data between 2 remote access points, a central access point will forward data from the LAN to Wireless, but not from Wireless to Wireless.

This enables the following options:

1) If you have multiple locations that need to connect to a central location but do not need to connect to each other, you will only need to have the central Access Point configured for Multiple Bridge Mode and the rest will be configured for Wireless Bridge Mode.

When configuring the remote Access Points to connect to the Central Access Point you will need to put the LAN MAC Address of the Central Access Point into the Remote Access Points.



As shown in the diagram above the configuration used will only allow Point A to communicate to Point B and C.

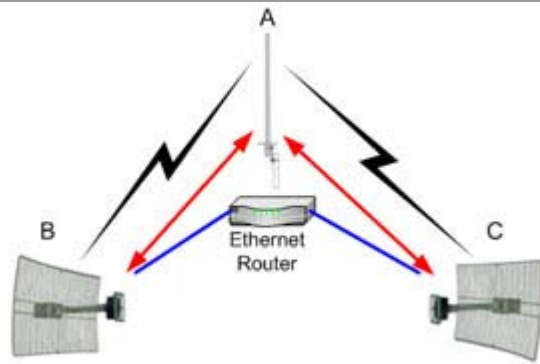
Point B and C will not be able to communicate with each other (The AP will not repeat the signal).

2) Using a LAN to LAN router in the central site, and segmenting the network into two or more IP networks can enable complete end to end wireless connectivity.

Configure each remote location on a unique IP Address range.

Use a router in the central location to route the remote packets in and back out of the central Wireless Access Point.

This router could be a hardware router, or even NT4 or Win2K server with a Multihomed Network card (Two IP networks bound to the same network card).

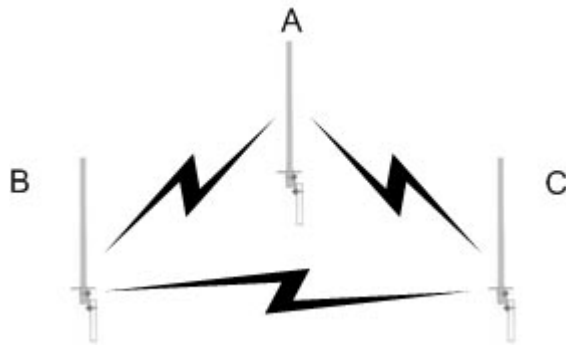


Point B & Point C use Point A as their gateways to each other.

3) The simplest option (if within range) is to have all Access Points configured in Multiple Bridge Mode.

This option allows all Access Points to communicate with each other directly.

eg.



Summary:
(If required)