

Difference between Bridge mode and Repeater mode

Bridge Mode

- Connects **two separate networks**, often linking a **wired network to a wireless network**.
- Works by **forwarding network traffic** between different subnets or segments.
- Does **not** assign IP addresses; instead, it allows seamless communication between connected networks.
- Commonly used in **enterprise environments** to integrate multiple network infrastructures.
- Provides a **stable and efficient connection** without interfering with existing network configurations.

Repeater Mode

- Extends the **Wi-Fi range** by capturing and **retransmitting** an existing Wi-Fi signal.
- Operates **within the same network and subnet**, ensuring all devices remain in the same IP range.
- Can **reduce internet speed** slightly due to the time taken to receive and rebroadcast the signal.
- Ideal for **large homes, offices, or areas with weak Wi-Fi coverage**.
- Requires **no additional wiring**, making it a simple solution for improving Wi-Fi reach.