



The ZigBee Range Extender is used to provide network connectivity when SmartBee™ Sensors are dispersed over wide area and the ZigBee RF link may become unreliable due to distance, obstacles, or RF interference. The ZigBee Range Extenders are positioned between the Hive and the remote sensors and acts as a relay point for bidirectional communications. RF barriers bypassed by the “Through The Wall Extension Kit”, which places an antenna on each side of the barrier coax cable connections.

Operating Instructions:

- The power supply provides power to the Range Extender and to the internal Li-Ion battery charger.
- When the slide switch is in the OFF position, the power supply will be charging the battery and the Power Indicator will not be illuminated and the Range Extender is OFF.
- When the slide switch is in the ON position, the power supply will be charging the battery and provide power to the Range Extender circuits. The **Power** Indicator is illuminated, continuously, and the Range Extender is ON.
- When the slide switch is in the ON position, and the power supply is disconnected or there is an AC power failure, the Range Extender will be ON, operating from the battery, and the **Power** Indicator is flashing. The battery will power the Range Extender for ~24 hours if fully charged.
- If a SmartBee ZigBee network is found the **Connected** Indicator will flash several times per minute while connecting to the network. During the search process, the indicator will not be illuminated. The search process can take up to 10 to 15 seconds.
- If a SmartBee ZigBee network is not found, the **Connected** Indicator will flash several times then remain OFF.
- If the Range Extender is not connected to a network, depressing the **Reset** Switch once will force a network search.
- If the Range Extender is connected to a network, depressing the **Reset** Switch four times, quickly, will disconnect it from the connected network. It will then start a new network search.
- To bypass a RF barrier, see the “Through the Wall Range Extender Kit.