



Bluetooth® Wireless Technology

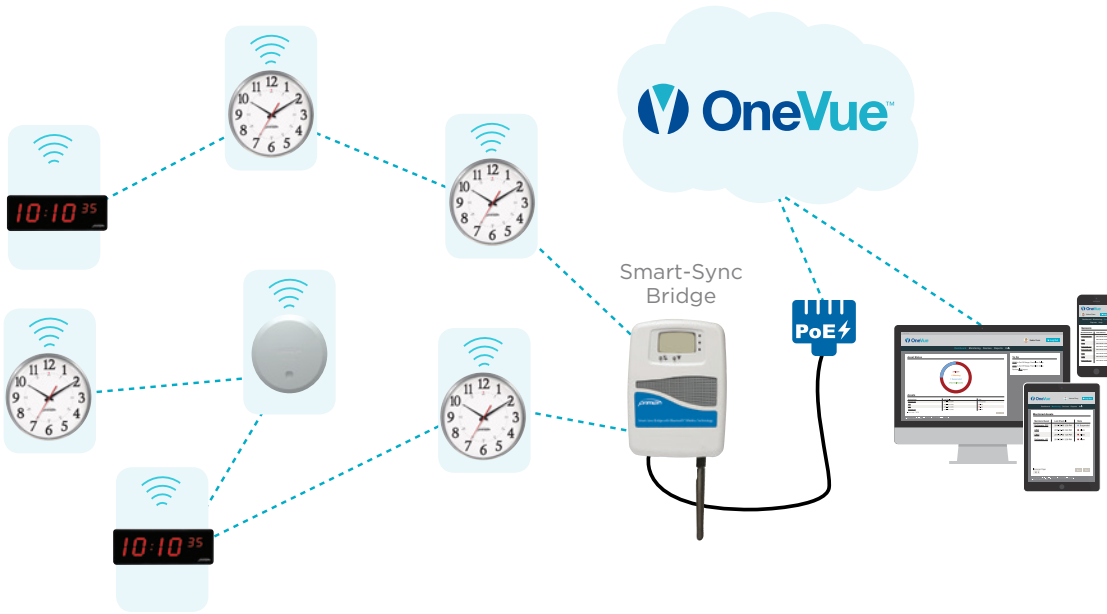
Smart-Sync™

Repeater

The Smart-Sync™ repeater is a means of extending coverage and improving communication within our proprietary Bluetooth low energy mesh network. The key components of a Smart-Sync managed clock system include:

- Bridges, which provide time and feature changes via Bluetooth low energy mesh network; and report clock status to OneVue™ through a customer's Ethernet network; and,
- Clocks, which communicate with each other and the bridge based on the strongest Bluetooth low energy mesh network signal.

The repeater is a cost-effective solution for spanning gaps between groups of clocks, improving signal strength between clocks, and providing additional communication routes back to a bridge. Bluetooth low energy uses the 2.4 GHz ISM band and employs adaptive frequency hopping to reduce interference with other devices.



- Smart-Sync clocks and repeaters 'wake up' once daily
- Clocks synchronize time via Smart-Sync Bridge
- Clocks and repeaters form network based on strongest signal to another clock, repeater or the bridge
- If one clock or repeater fails, other clocks will 'find their way home' to the strongest signal
- The bridge reports clock and repeater status to OneVue
- OneVue accessible via PC or mobile devices

SMART-SYNC REPEATER	
Model No.	Description
B100-R	Smart-Sync Repeater

ACCESSORIES	
Model No.	Description
S100PWR	AC Adapter
Q13827	AC Adapter Extension 6' (1.8 M)



Smart-Sync Repeater

SMART-SYNC REPEATER SPECIFICATIONS:

Power:

- Typical five (5) year battery life. Battery life is based on operating conditions and may vary due to installed site conditions.
- Requires 2 D-cell alkaline batteries (supplied)
- Optional AC-power accessory: 5V DC USB Mini B (5 pin) connector interface, 5 ft (1.5 m) cable, Input: 100-240 VAC, 50/60 Hz, 0.4A,
- Output: 5V DC, 1.0A max

Enclosure:

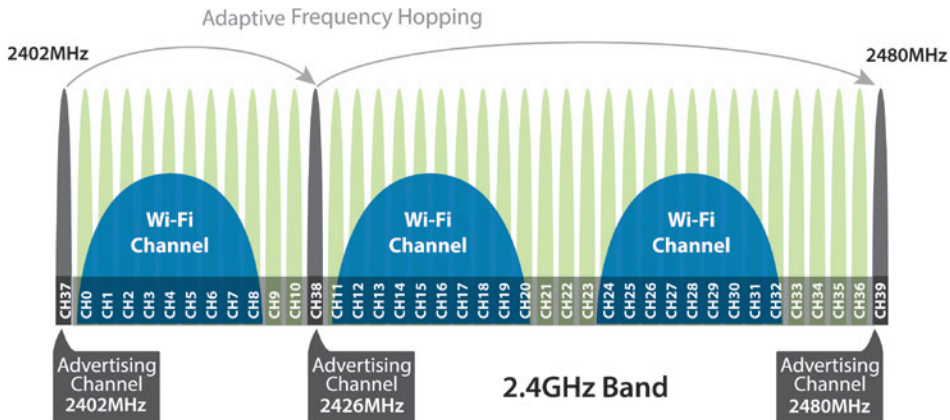
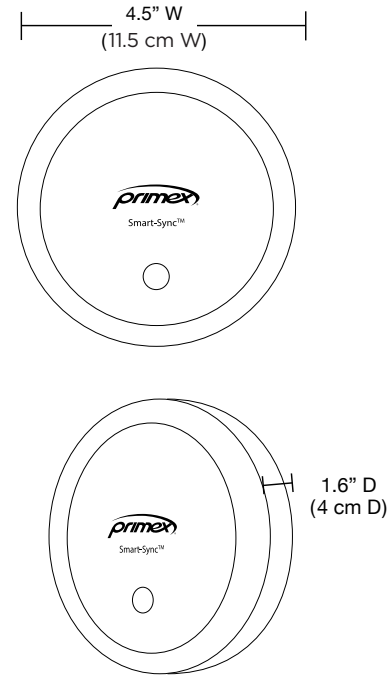
- Enclosure: ABS plastic
- Dimension: 11.5 cm W x 4 cm H (115 mm x 40 mm)
- Weight: 1.0 lb (455 grams) with 2 D-cell alkaline batteries
- Mounting: wall or surface-mount

Environmental:

- Operating Temperature Range: 32° to 95° F (0° to 35° C);
- indoor use only
- Storage Temperature Range: -4° to 158° F (-20° to 70° C)

Certifications:

- FCC, CE, IC and Bluetooth® Certified



Note: Channels 37, 38, and 39 are used by Smart-Sync. If the bridge detects interference on channel 37 it will hop to channel 38 or 39.

To Learn More:

Call 262.729.4858

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