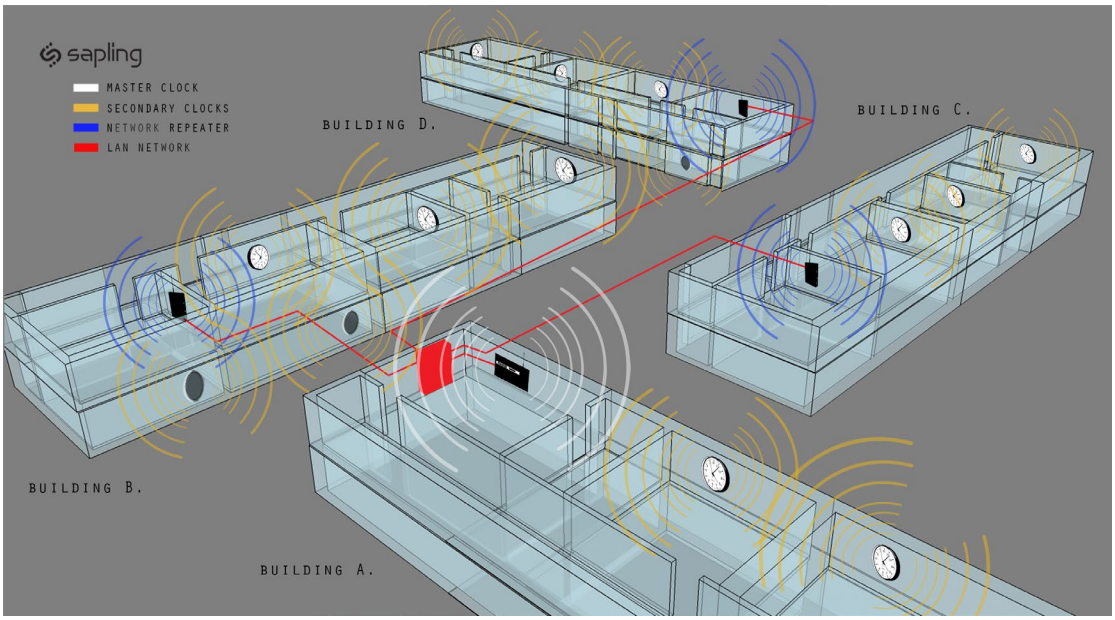
sapling
Synchronized Clock Systems

Do I Need a Repeater for the Wireless Clock System?



SMA 1000 Repeater

After purchasing your Sapling synchronized clock system, you need decide exactly where in your facility each clock will go. Sapling's wireless clocks allow a wider range of placement options because each one has a built-in transceiver, meaning that not only do they receive the wireless signal, they also retransmit the signal to other clocks in its radius. This greatly increases the range of the wireless signal and allows you to place your clocks further from the master clock.

While Sapling wireless clocks provide the best coverage possible without added accessories, some situations require boosting the wireless signal. For example, a school campus with multiple buildings spread far apart needs the signal to reach each clock in each building. Or perhaps a building that is made up of a significant amount of concrete or rebar, which might hinder the wireless signal from traveling, will need to boost the signal in a specific area. A repeater solves such problems.

For facilities with multiple buildings, Network Repeaters are an ideal solution. With Network Repeaters in each building of your campus, every clock in your facility will stay synchronized, even if they are located in different buildings. This is done by connecting the Network Repeater to the same LAN as the master clock and setting it with the master clock's IP address. Once set, the Network Repeater will take the time data from the Master Clock and redistribute it wirelessly to the secondary clocks at the same strength of the master clock.

Sapling also offers a Wireless Repeater that receives the time signal in a wireless manner, either from the master clock, one of the wireless clocks, or another repeater and redistributes the signal.

If you think that your application may require either a Network Repeater or a Wireless Repeater, please contact your local representative for more information.

The Sapling Company, Inc.
670 Louis Drive, Warminster, Pennsylvania 18974 U.S.A
Phone: +1.215.322.6063 **Fax:** +1.215.322.8498 **Web:** www.sapling-inc.com