

Timekeeper + Battery Backup | Model: X-BT-012-DS00



Features

- Low Voltage Input
- Powered by 12W Transformer.
- Operable by the Advanced User Level of the BubblyNet App

Certifications



Applications

The BubblyNet Timekeeper + Battery Backup is required for Bluetooth Mesh installations that uses Scheduled Events that specify high accuracy (less than 10 seconds.)

Installation

The installation of the BubblyNet Timekeeper + Battery Backup is very simple. As soon as the controller is powered on it will start broadcasting the non-provisioned advertising messages that will tell the provisioning app that a new device is ready to join. The provisioning app will connect to the new device, configure security keys, addresses and other data so the new controller can join the mesh network. After the new controller joins the mesh network it is ready to be configured (publishing / subscribing data.)

Connectivity

Devices are repeaters for other devices and should be installed within a certain maximum distance from each other.

Typical maximum distance:

<u>Outdoor (line of sight):</u>	200ft
<u>Indoor (through building material):</u>	
Glass:	100ft
Drywall:	70ft
Cinderblock:	60ft
Brick:	50ft
Concrete + rebar	0ft

Devices with external antenna should have the antenna outside any metal box and away from metal surfaces as metal reduces connectivity.

For design purposes a 60ft. maximum distance is appropriate for most installations.

Specifications

- Power Input - 12VDC to 1Amp
- TimeKeeper Dimensions - 3-1/2" x 1-5/8" x 1-1/4" (89 x 41.3 x 31.8mm)
- Internal Rechargeable Battery - 72 hour backup

Description

The BubblyNet Timekeeper + Battery Backup is the ideal solution to keep time synchronized across the Bluetooth Mesh network when the devices reboot. With the BubblyNet Timekeeper + Battery Backup the scheduled events on the Bluetooth Mesh network will stay synchronized with an accuracy of two seconds. The BubblyNet Timekeeper + Battery Backup will publish a time update message several times per day to keep all the devices synchronized.

Operation

After powering up the BubblyNet Timekeeper + Battery Backup, an Advanced User can scan using the BubblyNet App and add it to the Bluetooth Mesh network, then the BubblyNet Timekeeper + Battery Backup will periodically publish the time several times per day. Power can be supplied by a 12W transformer.