

Superfriend | Model: X-SF-024-DS00



Certifications



Installation

The installation of the **Superfriend Controller** 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.)

Applications

The **Superfriend Controller** can be used to increase friendships between devices. This device can have up to 20 friendships. This device can be used in instances where the distance between devices exceeds 30 feet. This device can also be used if devices are placed inside metal boxes and the Bluetooth signal has been diminished.

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

- DC Input Voltage - 12-24VDC
- Operating Temperature - -22° to 158°F (-30° to 70° C)
- Optional Power Supply
- Dimensions - 3.25" x 1.5" x 0.25"
(82.5 x 38 x 6.35 mm)

Description

The **X-SF-024-DS00 Superfriend** is a Bluetooth Mesh Bridge that increases retransmissions and strength of any Bluetooth Mesh network. It can be installed inside fixtures, j-boxes, or remoted.

Operation

The **Superfriend Controller** operates on 12-24VDC. Once powered up, the device broadcasts its identification code waiting to be provisioned through the Bubblynet App.

The **Superfriend Controller** is a Bluetooth Mesh Qualified device. This means that it can be controlled and be part of any Bluetooth Mesh Network, independently of the brand or manufacturer of the additional devices or controls.

The Superfriend is a wireless module that increases efficacy of the Bluetooth Mesh network. This device increases the throughput and retransmission of messages within the Mesh network.

Features

- Simple to Install
- Does Not Require a Gateway