



ULPLUS-HGA-EXT

UltraLink+ Wireless Range Extender



The ULPLUS-HGA-EXT is a Bluetooth NLC Wireless Range Extender that provides a max Bluetooth Range up to 900 ft.

Designed to boost signal strength and expand the coverage of the Bluetooth Mesh network, this long-range antenna ensures more stable connections and reliable performance over longer distances. Suitable for both indoor and outdoor installations, it features a built-in surge protector (20 kV / 10 kA) for reliable protection against electrical surges. Compact, durable, and easy to install, it's ideal for overcoming range limitations in demanding environments. It connects via Bluetooth and can be accessed with the UltraLink+ web portal or mobile app for setup and configuration.

TECHNICAL SPECIFICATIONS¹

- **Input Voltage:** 120-277V AC.
- **Surge Protection:** 20KV/10KA.
- **Environment:** Indoor and Outdoor, Wet-rated, IP65.
- **Relative Humidity:** 90-95% non-condensing at 30°C.
- **Operating Temperature Range:** -30°C to +70°C (-22°F to +158°F).
- **Dimensions:** 6.70" x 2.75" x 2.95" (170 mm x 70 mm x 75 mm).
- **Max Bluetooth Range:** 900ft (274m) line of sight.

FEATURES

- Integrated Long-Range Antenna.
- Suitable for Indoor and Outdoor use.
- Mobile app available for iOS and Android devices.

LISTINGS

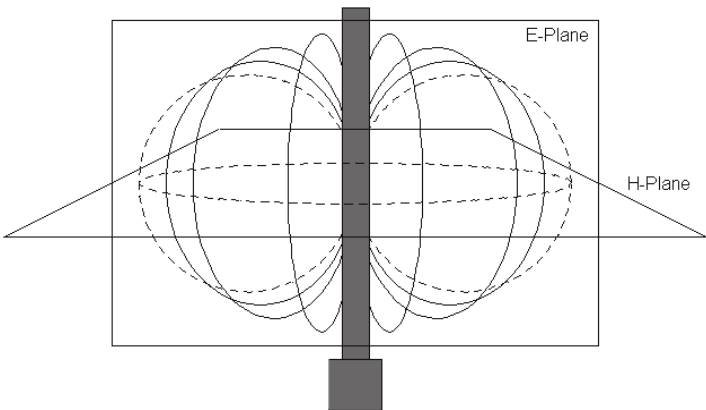
- FCC, UL, DLC, IP65.
- Conforms with DLC NLC5 Cybersecurity Standards.



ORDERING

Part Number	Description
ULPLUS-HGA-EXT	UltraLink+ Bluetooth NLC Wireless Range Extender, 120-277V AC, Wall Mount, IP65, BubblyNet Firmware. Field installed. Suitable for indoor and outdoor.

ANTENNA RADIATION PATTERNS



INSTALLATION GUIDELINES

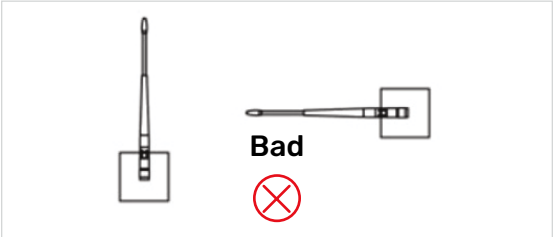
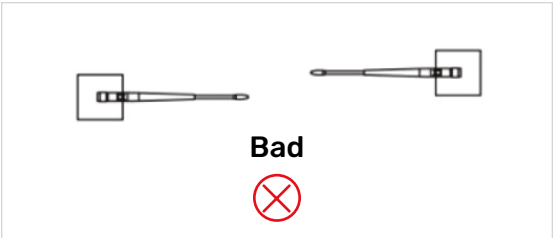
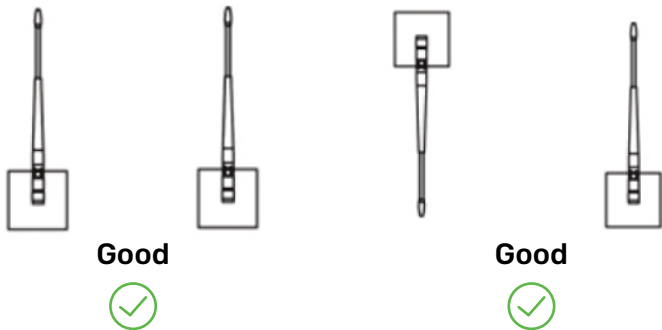
For optimal performance, install the range extender vertically, without tilt, at the same height as other devices in the Bluetooth Mesh network, and within 900ft of the nearest device.

Devices with external antennas should be placed outside metal enclosures and away from metal surfaces, as metal can reduce connectivity.

Note: Bluetooth Range is highly dependent on the integration of fixtures, surrounding environment and conditions. It is recommended to conduct testing for range accuracy.

ANTENNA ORIENTATION

When installing multiple Range Extenders, position them so that their antennas do not face each other, in order to minimize interference and ensure optimal performance.



FOOTNOTES

1. The performance of this product is influenced by various factors beyond Linmore LED's control, including but not limited to environmental conditions, user settings, and proper maintenance. While we provide detailed specifications and guidelines to help optimize performance, we cannot guarantee or be held liable for its performance under any particular circumstance(s). Customers are advised to test the products in their specific application environments to ensure suitability for their intended use.

Updated: 2025/08/30