

Pyrodigital®

CONTROL & RELIABILITY



Bridge to wireless.

WB-A Eagle Wireless Base

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Device Description:

The Pyrodigital Eagle Wireless Base is a state-of-the-art solution designed to wirelessly interconnect Pyrodigital networks, enabling seamless point-to-point or point-to-multipoint connections. With a robust set of features, the Eagle Wireless Base offers compatibility with all prior Pyrodigital devices, intuitive design and operation, and an extended range of up to 3.7 miles in rural environments. Housed in a waterproof and RF-shielded enclosure, the device ensures reliability and durability across various environments and applications.

Use Cases:

The Eagle Wireless Base is a versatile solution for creating a wireless bridge to expand Pyrodigital networks in events like sports, concerts, movie productions, and pyromusicals with barges. Seamlessly connecting with other Eagle and Falcon Wireless Units in mixed configurations, it offers excellent scalability. In slave mode, the device drives a full Pyrodigital network, enhancing network range and efficiency by harnessing the FC-A Field Controller's power-boosting technology. Additionally, the Eagle Wireless Base in slave mode supports the use of a deadman pickle, allowing a local spotter to monitor hazards from a different perspective than the operator at the master unit. This ensures a safe and successful event while maintaining a wireless bridge for Pyrodigital networks.

Core Features:

- RF network topologies: point-to-point/point-to-multipoint
- Frequency Hopping Spread Spectrum, 256-bit AES encryption, cipher block chaining
- Frequencies: ISM 902 to 928 MHz (1 Watt)
- Line of sight range using Yagi-Antennas: Rural up to 6.0 km, urban 1.6 km
- 40-hour standby time and 8-hour active time with a full network of 128 FM-As
- Full backward compatibility and compatibility with WB-E Falcon
- Additional Iso-Booster functionality
- Local check status capability
- Waterproof and RF-shielded housing
- Integrated Pyrodigital network power booster technology
- Integrated signal strength and battery monitoring systems
- 2-year warranty

Including low-stand and high-stand legs, 19-inch rack mountings, and handles



isolated input

3 fused outputs



External power supply available



Optional deadman for spotter