

Pyrodigital®

CONTROL & RELIABILITY



Go fiber. Go 40 km.

FiberCon Bridge

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Device Description:

The FiberCon Bridge is a cutting-edge solution designed to facilitate long-range communication in Pyrodigital systems by converting the Pyrodigital Bus to Fiber and vice versa. Comprising two distinct devices, the FiberCon Master and FiberCon Slave, this innovative bridge enables seamless, reliable, and safe transmission of signals over fiber optics. Built on the Dragon Isobooster platform, the FiberCon Bridge shares the same accessories, including an external power supply, mounting brackets, and a tailored case. In the event of AC power loss, the device automatically switches to battery supply, ensuring seamless operation for your spectacular displays.

Use Cases:

The FiberCon Bridge is an ideal solution for fixed installations where reliable and efficient communication networks are essential, such as theme parks, stadiums, and large buildings. It can capitalize on existing built-in fiber connections, allowing for seamless integration and enhanced performance. The Bridge enables signal transmission over fiber optics to cover distances up to 5 km with Multimode fiber or 40 km with Singlemode fiber, making it advantageous for venues with pre-existing fiber connections. The safety feature of the Master sending a heartbeat signal to the Slave ensures prompt detection of any loss of connection, making the FiberCon Bridge a perfect fit for permanent installations where safety and reliability are of paramount importance.



Tailored case and
mounting brackets
available

External power supply
available

Core Features:

- Conversion between Pyrodigital Bus and Fiber (Multimode and Singlemode options)
- Maximum transmission distance of 5 km (Multimode) and 40 km (Singlemode)
- Safety feature: Heartbeat signal monitoring between Master and Slave units
- Inherent Reboosting of network power, signal regeneration and galvanic isolation
- Intuitive design requiring minimal training for operators
- Full backwards compatibility with previous Pyrodigital devices
- Integrated battery status indicator
- Charger included
- External power supply option, ideal for fixed installations
- Universal mounting brackets available
- Tailored case available
- 2-year warranty