
Quick Start Guide

FireNEX™-U4F20G-C

20Gbps USB-C Fiber Repeater



Newnex
Connecting with Confidence™

Introduction



Thank you for purchasing FireNEX™-U4F20G-C, Newnex's high-performance 20Gbps USB-C fiber optic repeater designed for long-distance USB-C signal extension up to 700 m. This manual contains specifications of the package contents, a step-by-step installation guide, as well as our return policy, warranty, and where to find technical support.

Please read through this manual carefully before using the product. We highly recommend you to keep this handy.

Features



- Extends USB-C data over single-mode fiber with up to USB 3.2 Gen 2×2 at 20Gbps aggregate bandwidth
- Supports up to 700m for USB 3.2 Gen 1 (5Gbps) and 300m for USB 3.2 Gen 2×2 (20Gbps)
- USB-C port on Remote Unit supports up to USB 3.2 Gen 2×2 (20Gbps) and 30W USB Power Delivery (PD)
- Fully backward compatible with USB 3.0 and USB 2.0/1.1 peripherals
- Compatible with USB4 and Thunderbolt hosts with hot plug-and-play support
- Maintains system stability when the fiber link is disconnected or the remote unit powers off
- Works seamlessly with Windows, macOS, and Ubuntu using standard system drivers
- Ensures minimal signal degradation and strong EMI immunity

Data Rate	Extension Range
USB 20Gbps	300 meters
USB 5Gbps	700 meters

Package Contents

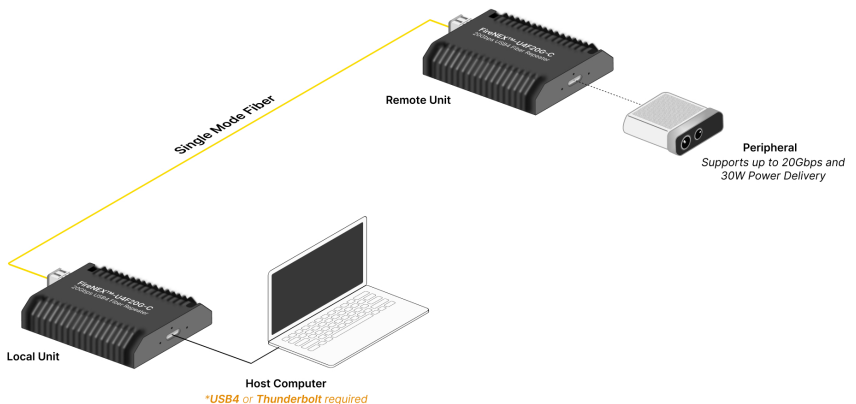


- FireNEX™-U4F20G-C Local Unit × 1
- FireNEX™-U4F20G-C Remote Unit × 1
- 1m USB4 Type-C Cable × 1
- 12V DC Power Supply × 2
- FireNEX™-U4F20G-C User Guide × 1

Installation Guide



- 1 Connect the included 12V power adapter to the Remote Unit.
- 2 Connect the second 12V power adapter to the Local Unit.
- 3 Connect a single mode duplex LC fiber optic cable between the Local and the Remote Units.
- 4 Connect the included USB4 Type-C cable from the Local Unit to the host computer's USB4 or Thunderbolt Type-C port.



Technical Support



Please visit the product page for additional information:

www.newnex.com/usb-c-fiber-extender.php

For technical support, visit: www.newnex.com/tech-support

Return & Warranty



FireNEX™-U4F20G-C comes with a **one-year limited manufacturer warranty** from the initial invoice date.

For more information about the return and RMA policy, visit www.newnex.com/return-policy.

www.newnex.com

Newnex Technology Corp.

3041 Olcott St.

Santa Clara, CA 95054, USA