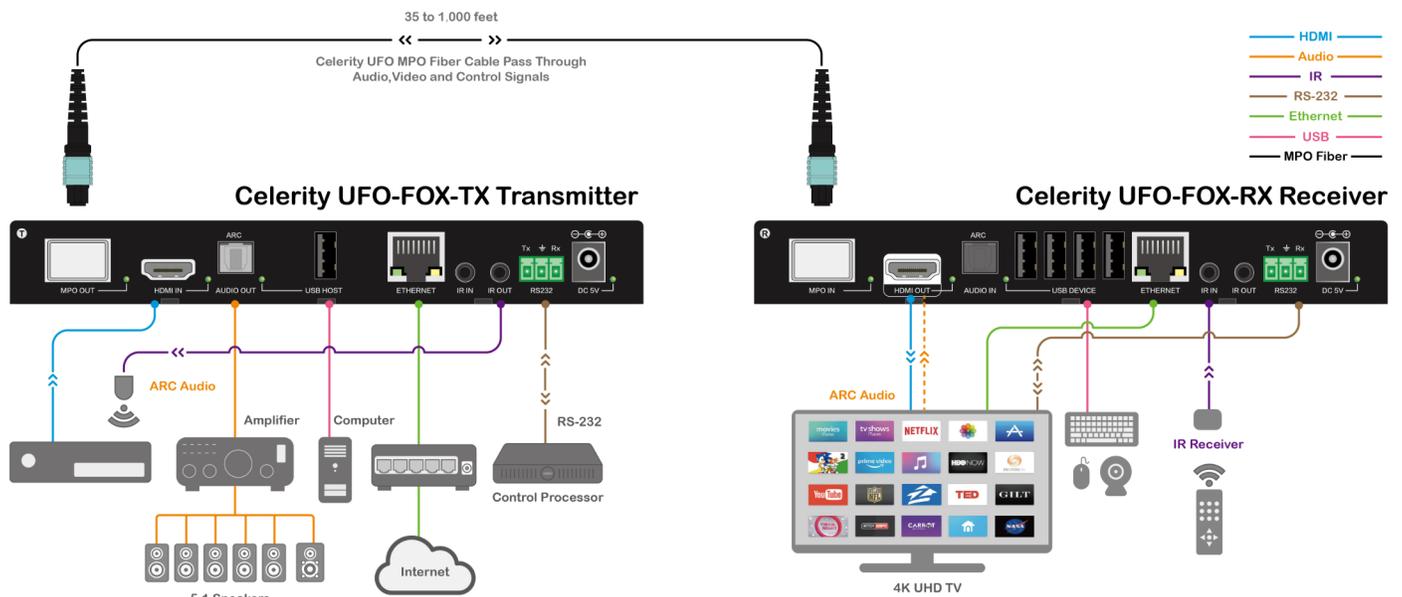# Celeritytechnologies

Universal Fiber Optic Multi-Signal Extender

Control box transmitter and receiver

Celerity Universal Fiber Optic Multi-Signal Extender is a breakthrough for distribution of AV and control signals over fiber optic cable. HDMI 2.0, RS232, IR, USB 2.0, TOSLINK, and Ethernet 10/100 are supported up to 1000 feet over a single Celerity Universal Fiber Optic Cable. The combination of these functions in a component with fiber optic connectivity provides superior performance, bandwidth and flexibility for AV professionals to design and install high performance audio, video and control signal distribution systems.

Supporting HDMI 2.0 18 Gbps and up to 4:4:4 color, Celerity UFO Gateway delivers 100% pure signal integrity from point to point at exceptional speed. HDMI for high definition video and multi-channel audio; IR transmission for remote control; USB 2.0 for video camera and hard drive server; TOSLINK for Audio Return Channel (ARC); Ethernet to support Internet content and/or IP control to a smartTV or other network device, can be transmitted on a single Celerity universal fiber optic cable up to 1000 feet between the Celerity UFO-FOX-TX and UFO-FOX-RX transmitter and receiver control boxes.

2 Steps to Fiber Optic Control

With Celerity UFO Gateway, only 2 steps are required – pre-wire and connect. No fiber tools are needed, this saves time and cost. Now a fiber optic connection can be made fast and reliable. Using the MPO connector on each end of the Celerity fiber optic cable, a secure snap-lock connection is made to the UFO-FOX-TX and UFO-FOX-RX.

The Celerity Universal Fiber Optic Cable is plenum-rated to meet safety certification standards. The Celerity UFO Cable is available in lengths of 35' 40' 50' 60' 80' 100' 130' 160' 200' 500' and 1000'. Celerity UFO Cables are sold separately from the UFO-FOX-TX transmitter and UFO-FOX-RX and receiver. Custom length UFO Cables are available.

Universal Fiber Optic **Gateway**

Specifications

Function	UFO-FOX-TX	UFO-FOX-RX
	Control box, transmitter	Control box, receiver
Celerity fiber optic cable distance	up to 1000 ft	up to 1000 ft
HDMI input	HDMI Type-A	
HDMI output		HDMI Type-A
IR input (RX)	3.5mm TRS	3.5mm TRS
IR output (TX)	3.5mm TS	3.5mm TS
IR carrier frequency range	below 100 kHz	below 100 kHz
IR power	3.3V	3.3V
USB*	1, USB 2.0	4, USB 2.0
Ethernet (RJ45 connector)	10/100	10/100
Power	300mA@5VDC	300mA@5VDC
Enclosure	Metal	Metal
Data rate	up to 18 Gbps	
Resolution	4K@60Hz 4:4:4, uncompressed or 8K@24Hz 4:2:0, with compression	
Supported features	HDMI High Speed	
	HDR	HDCP v2.3
	EDID	CEC
	BT.2020	Deep Color
Audio Return Channel	Yes	

HDMI™ HIGH SPEED

Included Items UFO-FOX-KIT

Universal Fiber Optic Gateway
Control box, transmitter (TX)

1 each:

UFO-FOX-TX
Mounting bracket
AC/DC power adapter (AC 110V~240V / DC 5V 2A)
User guide

Universal Fiber Optic Gateway
Control box, receiver (RX)

1 each:

UFO-FOX-RX
Mounting bracket
AC/DC power adapter (AC 110V~240V / DC 5V 2A)

Universal Fiber Optic **Cable**

Available lengths

35ft	10.6m	130ft	39.6m
40ft	12.2m	160ft	48.7m
50ft	15.2m	200ft	60.9m
60ft	18.2m	500ft	152.4m
80ft	24.3m	1000ft	304.8m
100ft	30.4m		

Custom lengths

Available in 50' (15.2m) increments from 250' to 950' (76.2m to 290m)
MPO connector dimension: 7.5mm x 12.7mm x 25.4mm
Fiber optic cable diameter: 3mm x 2mm
Plenum rated, OFNP

Pricing

UFO extender for HDMI, Audio, RS232, IR, USB 2.0, optical audio, and Ethernet, via control box.
Available as a set, TX and RX (UFO-FOX-KIT), or individually.
Model

UFO-FOX-KIT	860006674601
UFO-FOX-TX	860006674618
UFO-FOX-RX	860006674625

Pricing subject to change. Please contact Celerity to order.

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