

Fiber Optic **HDMI**

USER GUIDE



RAINBOW FISH

Fiber Optic HDMI

Easy to use

Reliable

Works with all HDMI connected devices

Stylish and compact design

Thank you for purchasing the Rainbow Fish Fiber Optic Cable for HDMI. It is an innovation that provides full high definition signal integrity connection for HDMI-enabled devices up to 1000 feet.

Compared to copper HDMI cables which are thick and unattractive, Rainbow Fish Fiber Optic Cable for HDMI is the best performing and best looking cable for HDMI applications. It supports all HDMI connections and full bandwidth to 16Gbps for 3DTV.

Application

Rainbow Fish Fiber Optic cable for HDMI is an easy-to-use plug and play product with HDMI connectors on both ends, linked together with state-of-the-art fiber optic cable. Fiber optic cable provides the best quality signal for high definition content at distances up to 1000 feet so audio-video components anywhere in your home can be connected with great results.

You can connect source components such as DVD, Blu-ray, Set-top boxes, DVRs, computers, tablets, games and more, easily with Rainbow Fish.

Specifications

HDMI High Speed Certified

Distance	up to 1000 feet
Bandwidth	16 Gbps
Video	3D / 4K / Deep Color
Supported features	HDCP / EDID / CEC
Power	TX: 0.6W RX: 0.5W; 5V DC
Humidity	0% - 90% RH
FCC ID	Y5MH3D-T6XX

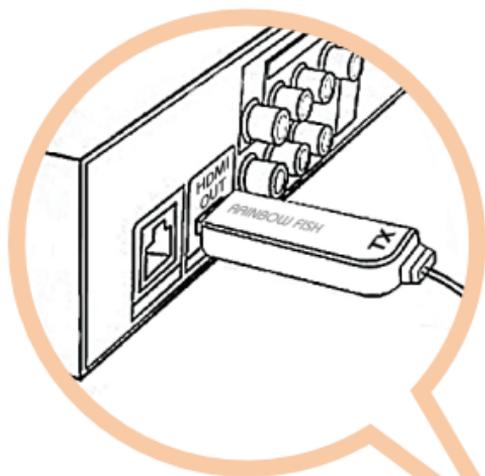
Connection:

- 1)** Plug in the source connector that is labeled TX to an HDMI connector on your source device such as DVD, Blu-ray, DVR, Set-top box, computer, tablet or video game console.
- 2)** Plug in the receiving connector that is labeled RX to an HDMI connector on your display device such as TV, computer monitor or projector.
- 3)** Connect one end of the supplied USB cable to a USB port on the receiving display device such as the TV, and the other end of the USB cable to the power port on the connector that is labeled RX.
- 4)** Once you have completed this and both the source device and display device are powered on, a small blue LED will illuminate on both of the Rainbow Fish connectors which confirms that the Rainbow Fish is working correctly.

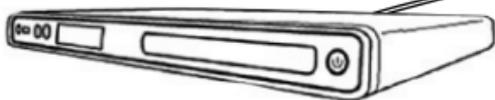
Caring for Fiber Optic HDMI cables:

Fiber optic cable is constructed of precision glass fiber and can be damaged if pinched, twisted or tangled. Use caution to not bend, twist or tangle Rainbow Fish fiber optic cables more tightly than around your finger or in such a way as to pinch the cable. For more information visit rainbowfishcorp.com.

Connection Diagram



- 1** Plug in Rainbow Fish connector labeled TX to the source device HDMI

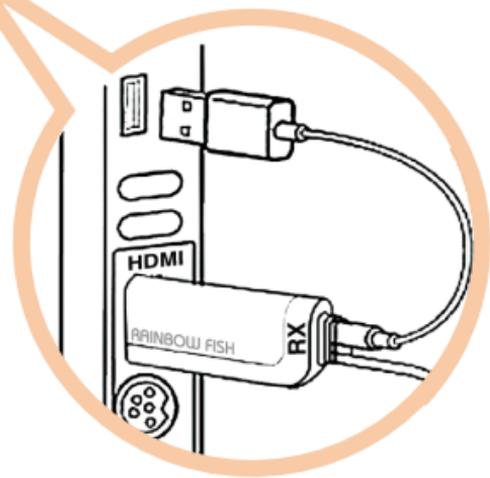


DVD/Blu-ray

Follow the same connections for connecting a computer or other source device to a television, projector or

Television

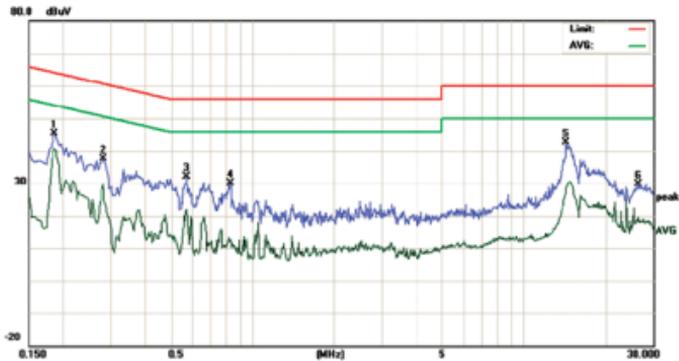
- 3** Plug in one end of the supplied USB cable to the USB port in the display device & connect the other end of the cable to the Rainbow Fish connector labeled RX power slot



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computer, tablet or
other display.

Low Emi

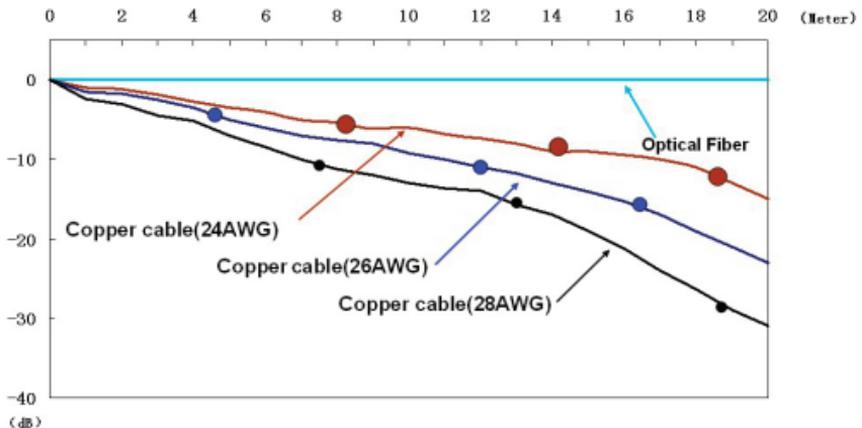


Site site #1 Phase: L1 Temperature: 22
 Limit: FCC Class B Conduction (QP) Power: AC 120V/60Hz Humidity: 55 %
 EUT: All Fiber Optic HDMI
 M/N: H3D-T610
 Mode: Normal
 Note:

No.	Freq. MHz	Reading_Level (dBuV)			Measurement (dBuV)			Limit (dBuV)		Margin (dB)		P/F	Comment
		Peak	QP	AVG	dB	peak	QP	AVG	QP	AVG	QP		
1	0.1860	35.49	31.04	9.80	45.29	40.84	64.21	54.21	-18.92	-13.37		P	
2	0.2819	27.70	19.96	9.81	37.51	29.77	60.76	50.76	-23.25	-20.99		P	
3	0.5740	22.37	12.20	9.82	32.19	22.02	56.00	46.00	-23.81	-23.98		P	
4	0.8340	20.22	3.07	9.85	30.07	12.92	56.00	46.00	-25.93	-33.08		P	
5	14.4340	32.49	18.15	10.05	42.54	28.20	60.00	50.00	-17.46	-21.80		P	
6	26.4180	19.41	9.32	10.36	29.77	19.88	60.00	50.00	-30.23	-30.32		P	

st report is a courtesy of FCC lab document shows that this de MI a good result so that no electromagnetic interference (EMI) is created by the Rainbow Fish Fiber Optic HDMI cable.

ATTENUATION PLOT



《Fiber-Optic Communication Systems》3rd ED -G.P.AGRAW
 《Electronic Communications Systems Fundamentals Through 4th ED -WAYNE TOMASI



RAINBOW FISH

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Made in China