

Using Fiber Connections and Media Converters with HDA

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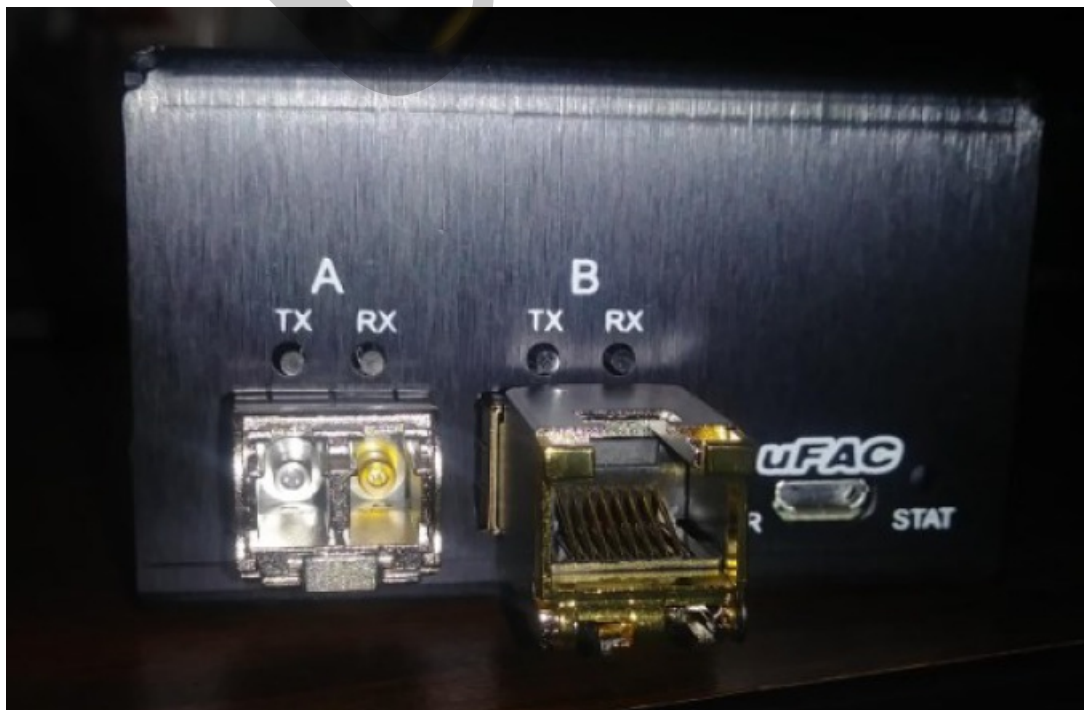
URC HDA devices and software provide countless options to configure and optimize audio settings to achieve performance and flexibility for almost any application.

This article provides a better understanding when **Using HDA Audio with Fiber Network Transmission Adapters** and details Gigabit Fiber Network Adapters that have been tested and verified to work with HDA Audio.

*Note: This article has been updated to remove the **TP-Link MC220L** modules as a recommended solution.*

Fiberplex TD-6010 Transmitter/Receiver (Model TKIT-DANTE-M, 2 units):

<https://www.fiberplex.com/products/networked-audio-dante-and-avb-fiber-link-kits.html>



- Testing through 10Gb 40Gb OFNP Plenum Rated Multimode Duplex 50/125 OM3 Fiber Cable (Fiber Optic Cable, LC to LC Fiber Patch Cable) 50m length.

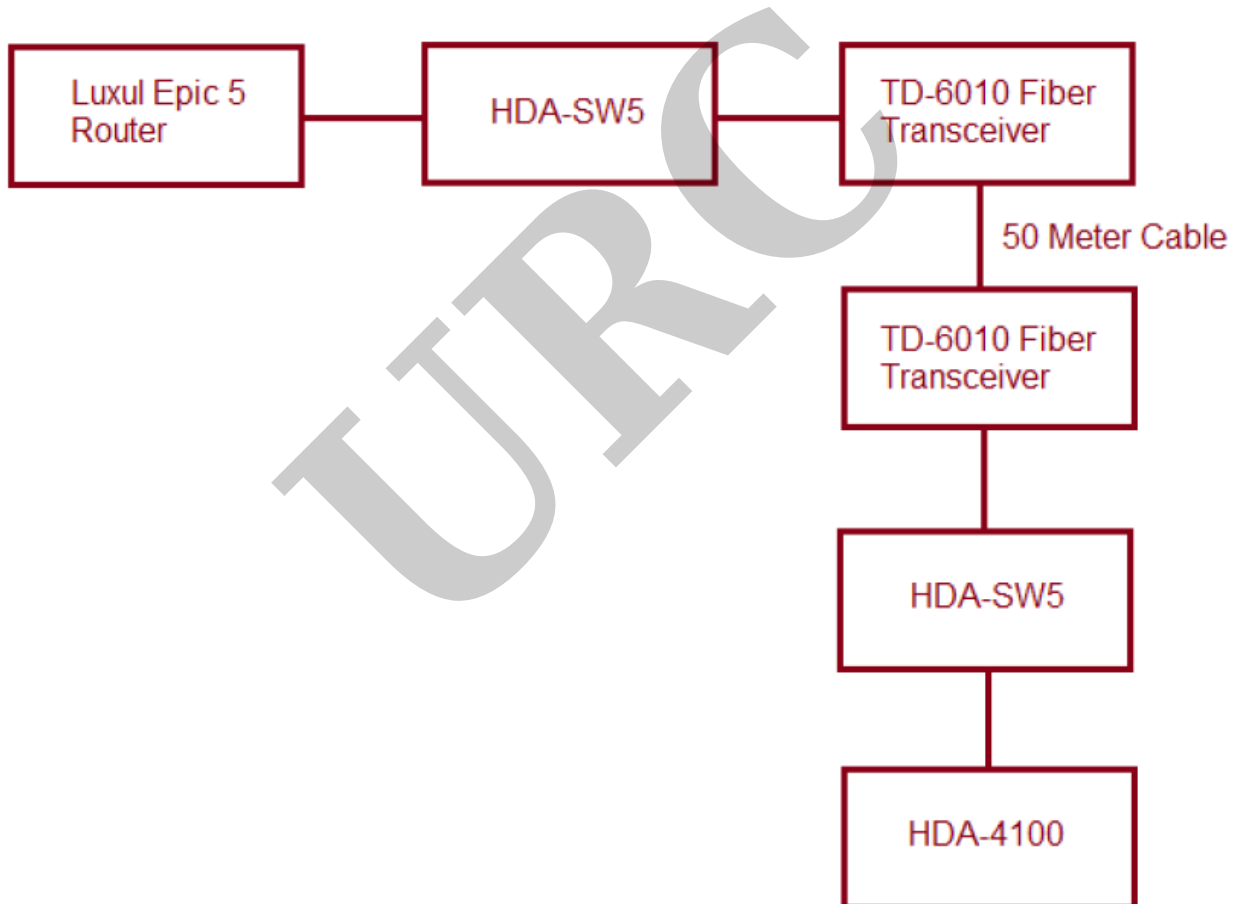
Testing with HDA firmware v1369 (minimum required), HDA-SW5 Firmware v145 (minimum required).

100% Plug n Play. No software setting changes needed.

Test Setup (using a Luxul Epic 5 Router):

Test (passed):

HDA-SW5 to HDA-SW5, linked through the TD-6010 w/fiber. No issues.



Note: URC recommends using fiber network runs between two HDA-SW5 switches, and not connecting a fiber receiver directly into an HDA unit.

1Gbps SFP to LC Multimode Transceiver Module

The Cable Matters Gigabit SFP to LC Multimode Transceiver Module is rated for the extreme demands of Gigabit Ethernet (1000BASE-SX). It is designed for maximum equipment compatibility with SFF-8431, SFF-8432 and IEEE 802.3-2002 1000BASE-SX.

Important Notes:

- Compatible with MSA compliant equipment with open source EEPROM
- Compatible with Cisco / Ubiquiti / D-Link / Huawei / Mikrotik / Netgear / Supermicro
- NOT compatible with Dell Networking / Juniper / Mellanox / HP / H3C / Arista / Dell Force10 / Extreme / F5 Networks equipment
- Use anti-static protection when connecting or removing the transceivers
- Connects a network switch, server, or NIC with SFP to a Gigabit fiber channel network with multimode LC for Network Attached Storage (NAS), Storage Area Network (SAN), and High Performance Computing (HPC) applications
- Low power consumption and low EMI emission design; Hot-pluggable with advanced ESD protection
- Up to 550m transmission distance for 1000BASE-SX Gigabit Ethernet over fiber applications

1000BASE-SX SFP to LC Multi Mode 1G Fiber Transceiver Modules (2 units)

https://www.amazon.com/gp/product/B07TYSVP3R/ref=ppx_yo_dt_b_asin_title_o02_s00?ie=UTF8&psc=1



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Additional Information & Resources:

To learn more about HDA products and programming, please see the [HDA Programmers Guide](#) or the Accelerator 3 online [Programming Guide](#).

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