



## Optical Ethernet Network Connection

Some applications of networked audio require cable runs in excess of the 100 meter limitation of Ethernet on copper. To meet the needs of these installations, Renkus-Heinz offers a fiber optic connection option for Dante equipped loudspeakers.

On loudspeakers with the fiber optic option, only the network connectors are changed, all other functions remain the same as on models with the standard copper network connections. The analog and AES audio and the Fault Relay connections are all present on the same connectors as on the standard models.

All RHAON communication is through the Ethernet network and is thus on the fiber optic connection.

The secondary network connection may be used for “daisy-chain” looping or as a redundant network input. This function is selectable in Dante Controller.

Connection diagram at right shows the ICL-F-RD with fiber option, but other models are similar.

If units are weather resistant and installed outdoors, the gasketed cover must be installed after the connections are made.

### Technical Specifications

- Network: 1000BASE-LX, SC
- Connector: SC Square, IEC 61754-4
- Cable: 9/125 Duplex, Single-Mode
- Wavelength: 1310 nm
- Maximum distance: 10 km

## Fiber Optic Option

