Soundweb™ London
MC-1

BSS by HARMAN

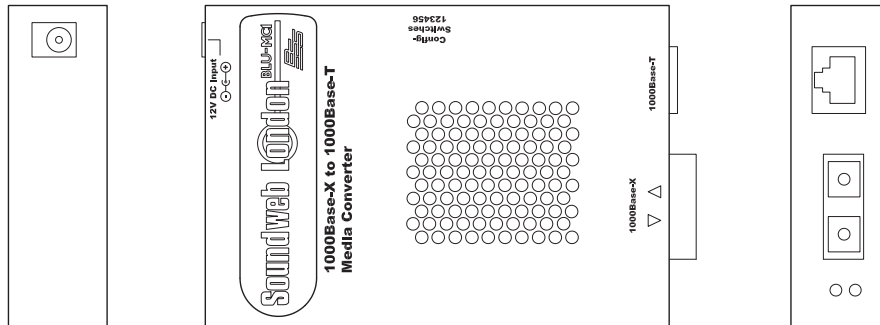### OVERVIEW:

The MC-1 is a Gigabit Media Converter which provides transport up to 10 km (6.2 miles) using 1310nm single mode fiber cable. In use, an MC-1 will be utilized on each end of a two conductor single mode fiber optic cable deployed between two equipment rack locations.

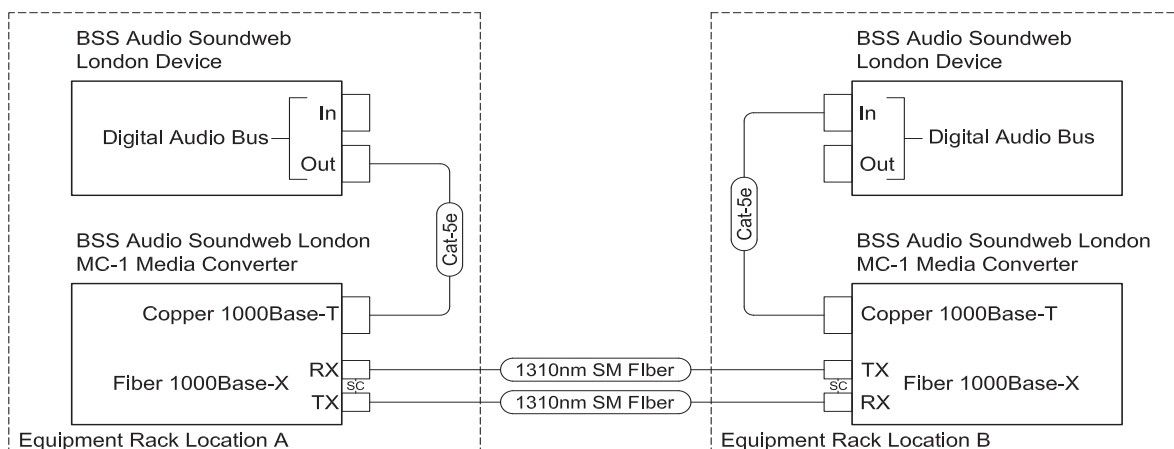The MC-1 is supplied with a wall mount bracket and external power supply.

The MC-1 utilizes automatic link restoration which re-establishes network links between two MC-1 devices should a connected Soundweb London device be disconnected and reconnected to the network. This eliminates the need to reset the MC-1 after patching or power loss of an attached Soundweb London device.

Status LEDs on the MC-1 provide indication of Power (PWR), Fiber Link RX (RXF), Fiber Link TX (LKF), Copper RX (RXC), and Copper TX (LKC).

KEY FEATURES:

- Gigabit Media Conversion
- Automatic Link Restoration
- External 12V DC Power Supply
- Status LEDs

- 10 km (6.2 miles) Transmission Distance Using 1310nm Single Mode Fiber Cable
- SC Style Fiber Connector
- RJ45 Copper Connector

Digital Audio Bus Example Diagram:

MC-1 Media Converter

TECHNICAL SPECIFICATIONS:

Standards: IEEE Std. 802.3ab™ and IEEE Std. 802.3™

Connectors:
Fiber Optic Connector Type: SC fiber optic connector
UTP Connector Type: Gigabit RJ45

Fiber Optic Connector Specs:
Single Mode: Min TX PWR: -9.5 dBm
                          Max TX PWR: -3.0 dBm
                          RX Sensitivity: -20.0 dBm
                          Max In PWR: -3.0 dBm
                          Link Budget: 10.50 dB

6-Position Switch: SW1: Remote Fiber Fault Detect (Down=Enabled)
                          SW2: Symmetric Pause
                          SW3: Asymmetric Pause
                          SW4: Transparent Link Pass Through (UP=Enabled)
                          SW5: Fiber Auto-Negotiation (Down=Enabled)
                          SW6: Loopback (Down=Enabled)

Status LEDs: PWR (Power): Steady green LED indicates connection to external AC power
                          RXF (Fiber receive): Flashing LED indicates reception of data on fiber link
                          LKF (Fiber link): Steady LED indicates fiber link connection
                          RXC (Copper receive): Flashing LED indicates reception of data on copper link

Compliance:
Safety Compliance: Wall Mount Power Supply: UL Listed, C-UL Listed (Canada)
Regulatory Compliance: FCC Class A, CISPR22/EN55022 Class A, EN55024, EN61000, CE Mark

Warranty: Lifetime

Power and Dimensions:
Power External: AC/DC required; 12V DC, 1.5A; unregulated; standard
Environment: 0 – 50° C operating; 5% – 95% humidity non-condensing; 0 – 10,000 feet altitude
Dimensions (H x W x D): 1.0" x 3.25" x 4.8" (25mm x 82mm x 122mm)
Shipping Weight: 2 lbs. / 0.90 kg

CobraNet™ Example Diagram:

18-0598

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