# MCM110SC2/MCM110SC2GB/MCM110SC2EU
## 10/100Base Ethernet to 100Base-FX Multi-Mode Fiber Media Converter SC 2KM

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# Installation Guide

## Packaging Contents

- 1 x MCM110SC2 / GB / EU media converter
- 1 x Power Adapter
- 1 x Installation Guide

## System Requirements

- 10/100Base compatible network

## Installation

1. Connect the Ethernet cable to the Fiber Media Converter "LAN" port.
2. Connect the other end of the Ethernet cable to the router/switch/computer NIC.
3. Connect the fiber cable into the fiber receptacle on the media converter.
4. Plug the provided power adapter into the media converter, and into an available AC power outlet.
5. Connect the other end of the fiber cable into the router/switch/computer NIC/another media converter. Remember to reverse the TX and RX leads between the two devices.

## DIP Switch Settings

| Switch | Function | State | Status |
|---|---|---|---|
| SW1 | UTP Mode | Auto | Auto UTP detection |
| | | Manual | Use manual UTP settings |
| SW2* | UTP Speed | 100 | 100Mbps link speed |
| | | 10 | 10Mbps link speed |
| SW3* | UTP Duplex | Full | Full duplex |
| | | Half | Half duplex |
| SW4 | Link Fault Pass-through | LFP | LFP mode off |
| | | ON | LFP mode on |

*not enabled when SW1 set to Auto

## LED Indicators

| LED | Function | State | Status |
|---|---|---|---|
| PWR | Power Indicator | ON | Converter has power |
| | | OFF | Converter has no power |
| FX Link/Act | Fiber Link/Activity | ON | Fiber link OK |
| | | OFF | No link detected |
| | | Flashing | Receiving data |
| FEF | Far End Fault | ON | Far end link failure |
| | | OFF | No failure detected |
| 100 | Mode | ON | 100Mbps |
| | | OFF | 10Mbps |
| Full | Duplex Mode | ON | Full duplex mode |
| | | OFF | Half duplex mode |
| TX Link/Act | Ethernet Link/Activity | ON | Ethernet link detected |
| | | OFF | No link detected |
| | | Flashing | Receiving data |

## Specifications

| | |
|---|---|
| **Connectors** | 1 x RJ45 Ethernet<br>2 x SC Fiber<br>1 x power connector |
| **LEDs** | Power, Fiber Link/Activity, Ethernet Link/Activity, 10/100, Full/Half Duplex, FEF |
| **Fiber Type** | Multi-Mode (62.5 or 50/125 micron) |
| **Maximum Distance** | 2 km |
| **Transmission Standards** | IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX, l00BASE-FX |
| **Duplex Modes** | Full/Half Duplex (Ethernet mode)<br>Full Duplex (Fiber) |
| **Dimensions** | 73.0mm x 23.0mm x 10.8mm |
| **Weight** | 170 g |