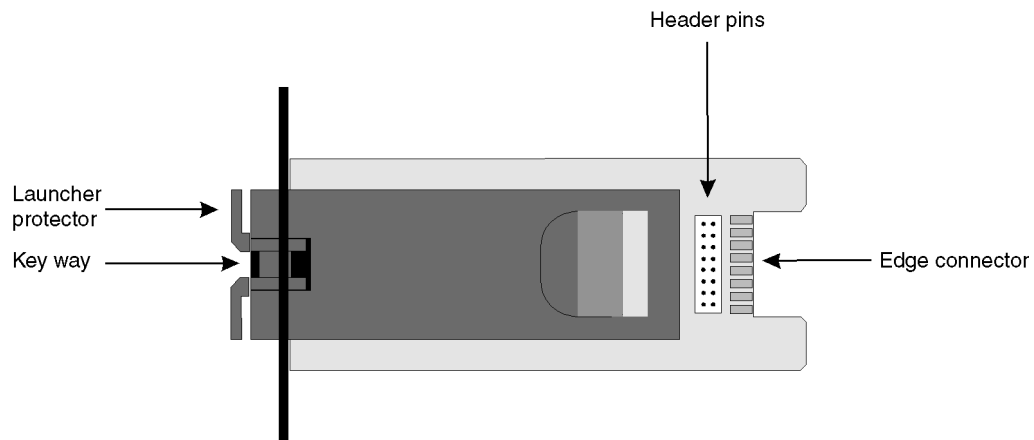


FDDI MIC MEDIA MODULE 3C18320 USER GUIDE



Interworking Information

The 3Com® FDDI MIC Media Module has been designed to the ANSIX3T9.5 PMD standard.

The FDDI MIC Media Module can transmit (Tx) and receive (Rx) FDDI 100Mbit/sec traffic over multi-mode Fiber Optic cable.

The FDDI MIC Media Module is used to provide connectivity to FDDI fiber medium on the following LinkBuilder® products:

- MSH FDDI RingBuilder Module (3C18310)
- MSH LinkSwitch Module (3C18640)
- FMS II LinkSwitch Hub (3C16640)

Installation



WARNING: Only qualified personnel should install this device. Use an earthed wrist-band!

Keying your FDDI Connectors

Keys are provided to enable you to set up M, S, A or B connector keying on the FDDI MIC Media Module. The connectors on the fiber cable will have, or can be set up to have, matching keys.

Your key selection should be guided by the following definitions. Full details are given in the LinkSwitch and RingBuilder module manuals.

Code	Key Type
A	Used for dual-attached and dual-homed connections, primary in/secondary out
B	Used for dual-attached and dual-homed connections, secondary in/primary out.
M	Used for single-attached connections, master or concentrator port.
S	Used for single-attached connections, slave or workstation port.

Select the key you want. With the key letter upmost, push the key into the key way in the case of the launcher (see Figure 1) until the latches click into place.

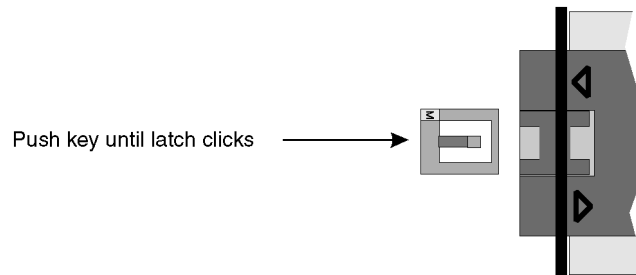


Figure 1 Inserting a key

To remove a key, you need to lift the inner bar and depress the center lug to disengage them before withdrawing the key (see Figure 2). Do NOT use excessive force!

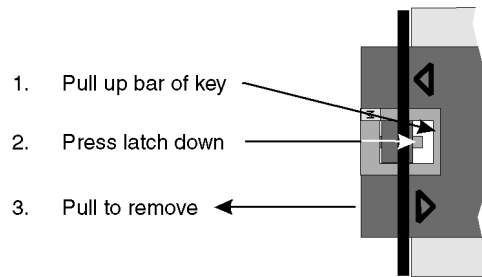


Figure 2 Removing a key

You may find an alternative type of key used. In that event, place the keyed lug, letter upmost, into the cut-out in the case and lay the key down with the slots towards the edge connector of the module. Push gently, down and towards the front of the unit, to engage the latch.

To change a key, insert the tip of a fine screwdriver or similar into the small slot of the fitted key and press away from the edge, lifting up carefully.

Module-to-Host Connections

A 16-pin header and a 16-way edge connector are mounted on the FDDI MIC Media Module for connection to an MSH LinkSwitch Module or a FMS II LinkSwitch Hub.

Installing on an MSH Module

Before you install the FDDI MIC Media Module, you must remove the MSH Module from the network and all power sources. See the relevant MSH Module User Guide.

- 1** Remove the blanking plate from the module which is to receive the FDDI MIC Media Module. The relevant manual will tell you where to find the plate.
- 2** Keep the blanking plate in a safe place so that it can be replaced if the FDDI MIC Media Module is removed.
- 3** Place the MSH module on a flat surface with the 16-way socket facing up.
- 4** Hold the FDDI MIC Media Module by the mounting panel and board edge with the header pins facing down. Pass the board of the FDDI MIC Media Module through the cut-out in the front panel.
- 5** Align the socket on the card with the pins on the FDDI MIC Media Module and push down firmly to connect.
- 6** Fix the mounting panel of the FDDI MIC Media Module to the module panel using the two screws from the blanking plate.
- 7** Re-install the MSH module into its chassis.

Installing in a LinkSwitch Hub

Remove the blanking plate from the hub which is to receive the FDDI MIC Media Module. The relevant manual will tell you where to find the plate.

- 1 Keep the blanking plate in a safe place so that it can be replaced if the FDDI MIC Media Module is removed.
- 2 Holding the mounting panel, insert the edge connector end of the FDDI MIC Media Module, with the header pins side down, into the rear of the hub.
- 3 Slide the FDDI MIC Media Module in carefully to engage in the slot and push it fully home.
- 4 Fix the mounting panel of the FDDI MIC Media Module to the hub using the two screws from the blanking plate.

Connection to the FDDI Network

Remove the launcher-protecting device from the MIC connector. Either of the two types of protector shown Figure 3 and Figure 4 may be encountered.

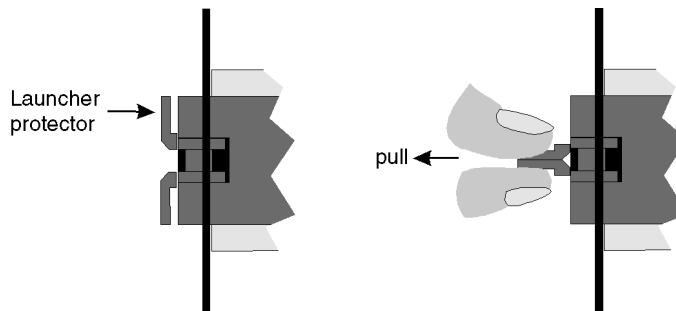


Figure 3 Type A protector

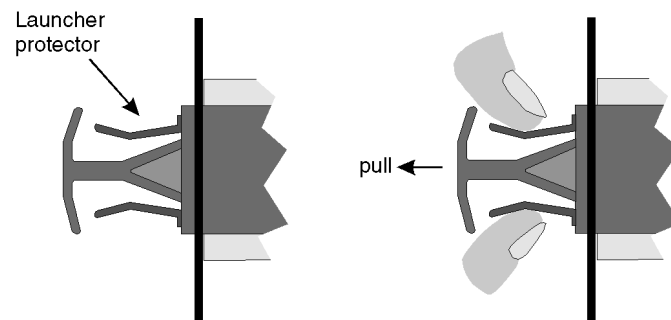


Figure 4 Type B protector

Connect the MIC connector to the FDDI MIC Media Module's connector. Push firmly home.



WARNING: Take care to keep the ends of the connectors clean. Wipe with a tissue moistened with ethanol if necessary.

Operation

Power up the chassis or hub. The FDDI MIC Media Module will operate correctly once power is applied.

Optical Safety

Under most normal viewing conditions there is no eye hazard from the Tx launcher LED. It is recommended however, that the LED is not viewed through any magnifying device, whilst powered on.

Media Module Fails to Operate

If the FDDI MIC Media Module powers up but no communication is possible, check that:

- The remote unit is powered on.
- The fiber cable is continuous.
- The connectors are clean.
- If keys not fitted, the orientation of the MIC connectors is correct.

If these checks fail to cure the problem, refer to the supplier of your 3Com FDDI MIC Media Module for further advice.

Standards

The 3Com FDDI MIC Media Module has been designed to comply with the following standards:

Functional: ANSI X3T9.5

Safety: UL 1950, EN 60950, CSA 22.2 #950, ECMA 97

R.F.I. FCC part 15 (Class A), Vfg 243 `B', EN55022 A, EC 801 parts 2, 3, 4 & 5

Environmental: IEC 68