PRO-Gear
XM-4 & XM-4U
User's Manual

Software driver is
required on
Windows 98Se or
Windows 2000 only.
Please perform
driver setup prior to
using XM-4 & XM-4U.

Atech Flash Technology, Inc.   www.atechflash.com

Congratulations on the purchase of your new Atech Flash Technology PRO Gear flash reader/writer. PRO Gear is a read/write device that supports multiple formats of flash memory cards and we recommend that you read this manual carefully to become familiar with the operation of the product. This manual explains the features and specifications of your new PRO Gear reader, as well as the installation in a few simple steps. Please retain this guide for further reference.

If you have questions regarding your PRO Gear reader, please call our technical support hotline at toll free number (US only)

1-866-85-ATECH (1-866-852-8324)

or email us at
techsupport@atechflash.com

or visit our website at
www.atechflash.com

Table of Content

Introduction

PRO-Gear XM-4/XM-4U is a mulit-function, read and write device for today's most popular flash memory card formats. It brings you the advantage of ultra high speed data transferring between desktop PC and you personal electronic devices, such as Digital Cameras, MP3 Players, PDAs, Voice Recorders, Pocket PCs, Cell Phones and much more. Utilizing the widely-adopted USB (Universal Serial Bus) interface of your PC, XM-4/XM-4U is fully Plug-&-Play on Windows ME and Windows XP, without the need to install software driver.

The XM-4U unit is also equipped with a front USB port on the front panel, allowing you to connect your USB devices easily.

Features

High Speed USB 2.0 interface - up to 480 Mb/s transfer rate to access to your flash media cards.   Also backward compatible with USB 1.1 interface.

Front USB port (XM-4U) - allow you to connect USB devices easily.

USB powered - no additional power adaptor or battery required.

Fully Plug and Play* - No software driver needed on Windows ME, XP or later.

Custom Icons - Driver icons for each card slot included on our driver setup disk(driver installation required).

Hot-Swappable - connect or disconnect reader without having to turn your computer off

CF - Compact Flash™ Type I, Compact Flash™ Type II
MS - Memory Stick™, MagicGate Memory Stick™**
MS-PRO - Memory Stick Pro™
SM - SmartMedia™ Card (3.3V)
SD - Secure Digital™ Card
MMC - MultiMedia™ Card
MD - IBM MicroDrive™
xD - xD-Picture Card™***

*Software driver required on Windows 98SE / 2000.
**Does not operate with MagicGate Memory Stick in secure mode.
***xD-Picture Card™ is a trademark owned by Fuji Photo Film Co., Ltd.

System Requirements

Operating System Requirement

Windows 98SE*
Windows ME
Windows 2000*
Windows XP

* A CD ROM Drive is also required to access AFT
Setup CD when setting up XM-4/XM-4U on Windows 98SE /
2000

Setup Requirement
IBM PC compatible computer with USB connection (USB 1.1
or USB 2.0)

Empty external 3.5" drive bay

On Board USB pin headers (two USB ports)

Package Content Description

This section explains the contents of PRO Gear package.

Before attempting to connect, please read this manual carefully and determine if software driver setup is required first.

PRO-Gear XM-4

PRO-Gear XM-4U

Package Content Description

Internal USB Cable - Connects from XM-4/XM-4U unit to the USB pin headers on motherboard.

——— To XM-4/XM-4U Unit (10-pin)

——— To motherboard USB pin headers (10-pin)

Internal USB Cable to mini-USB Cable - Connects from XM-4/XM-4U unit to the USB pin headers on motherboard.

——— To XM-4/XM-4U Unit

——— To motherboard USB pin headers (5-pin)

Internal USB Cable to mini-USB Cable - Connects from XM-4U unit to the USB pin headers on motherboard.
This option is for USB front port extension for XM-4U only.

——— To XM-4U (USB extension port)

——— To motherboard USB pin headers (5-pin)

Before Installation

Attention !!!!

**Windows 98SE or Windows 2000 users :**

Driver installation is required. Please perform software setup first before inserting

XM-4/XM-4U is an USB 2.0 device and it is backward compatible with USB 1.1 interface. However, USB 1.1 performance can only be expected when connecting to a USB 1.1 port.

When XM-4/XM-4U is connected to an USB 1.1 port, following Windows message may appear :
"A HI-SPEED USB device is plugged into a non-HI-SPEED USB hub. For assistance in solving this problem, click this message"

This is just a reminder that XM-4/XM-4U is not plugged into an USB 2.0 port. It does not affect the function of XM-4/XM-4U. Please ignore the message.
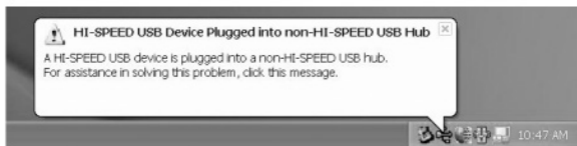
Please also be sure to remove the power plug of your computer to avoid electrical shock or damage to your system.

Step 1
Open computer case cover. Please refer to your computer manual if necessary.

Step 2
Insert XM-4/XM-4U unit into an empty external 3.5" drive bay.

Step 3
Like standard 3.5" floppy drive, XM-4/XM-4U unit has 3 screw holes on both sides. Apply screws on each side to secure unit to drive.

Step 4

Connect Internal 10-pin cables or mini-USB cables

to the back of XM-4/XM-4U unit.

WARNING!!!You can only use one option
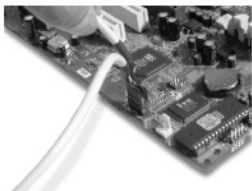below for cable connections!!!

A. Internal Connectors (10-pin to
   10-pin)

B. mini-USB Connectors (mini-USB
   to 5-pin)

A. Internal Connectors   B. mini-USB Connectors

Motherboard connection

Installation

Depending on the pin layout on your motherboard USB
header, it may be necessary rearrange the color wires of
Internal USB cable to match the USB pin assignment.
Please refer to your motherboard manual for USB header
pin assignment information.

Internal USB cable is consist of 2 sets of Red, White, Green
and Black wires. Each color wire shall be connected to a
specific pin on the USB header.

Red wire   = Power (VCC)
White wire   = P- (Data-)
Green wire   = P+ (Data+)
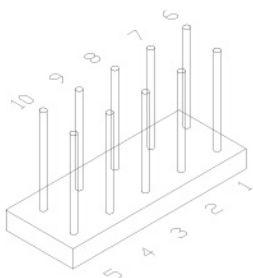Black wire   = Ground (GND)
Black wire #2   = Ground (GND) [Optional connection]

<<< Example >>>

Here is an example base on the motherboard we have.
According to the motherboard manual, we have following pin
information on USB header:


```
Pin 1 = USB Power
Pin 2 = USBP2-
Pin 3 = USBP2+
Pin 4 = GND
Pin 5 = NC

Pin 6 = USB Power
Pin 7 = USBP3-
Pin 8 = USBP3+
Pin 9 = GND
Pin 10 = NC (No pin)
```

Installation

Therefore, we shall have:

Set 1 USB wires		Set 2 USB wires
Red wire goes to pin 1	and	Red wire goes to pin 6
White wire goes to pin 2		White wire goes to pin 7
Green wire goes to pin 3		Green wire goes to pin 8

Comparing the default wire setting on the Internal USB cable, no wire reassignment is necessary. We can plug in the black pin connector of Internal USB cable to the USB header directly, with red wire goes to pin 1 or 6.

Please note that your motherboard USB header pin assignment could be different from the example above. If you need to reassign wires on Internal USB cable, please follow the procedure below:

Installation
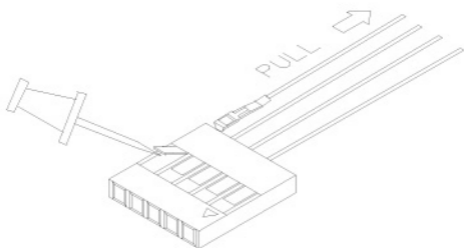
(1) Determine which wires you need to remove from the black pin connectors first by referring to your motherboard USB header pin layout.

(2) Using a needle or push pin to flip up the tiny plastic tab and pull the wire out from the connector. Please take caution on this step as excessive force on flipping the tab may cause the tab to break.

(3) Repeat above step for each wire that requires changing.

(4) Insert the wire pin back into the correct slot and press the tiny plastic tab down will hold the wire in its position.

Step 5
Install software driver

This step is required for Windows 98SE and Windows 2000 users only. If you have Windows ME or Windows XP, please skip this step and proceed to Step 6.

(1) Close all application you are running, including applications running in background.

(2) Insert AFT Setup CD into your CD ROM drive and locate a setup.exe file in PC setup folder.

(3) Double click on setup.exe will lead you into setup program.

(4) Follow setup instruction on your screen.

(5) After driver files are copied into your system, setup program will prompt you to restart your computer. Please do so.

(6) Once computer is restarted, you can proceed to Step 6

Step 6 AFT Custom Icons

Insert Memory Card and click on the Icon that
matches your memory card.

Local Disk (C:)

Devices with Removable Storage

CD Drive (D:)   Removable   Removable   Removable   Removable
                 Disk (E:)   Disk (F:)   Disk (G:)   Disk (H:)

Network Drives

P on   T on   V on
'Server 20...   'Server 20...   'Server 20...

Using XM-4/XM-4U

Using XM-4/XM-4U is very similar to using a floppy drive.
Simply insert your flash media card into the slot and click on
the appropriate Removable Disk icon in My Computer, it will
allow you to access your flash media card like a disk.

XM-4

XM-4U

We strongly recommend that you copy the files in the flash
media card to your computer first before attempting to view
or make any changes to the files.

Caution !!

When removing your flash media card from PRO Gear
Reader, please make sure that your file transferring process
is fully completed before pulling your flash media card out.
Failing to do so may result in card damage.

Avoid formatting your flash media cards in PRO Gear if
possible. Always format your flash media card in the
electronic device it is used. Certain electronic devices may
become incompatible with the flash media cards formatted
under Windows file systems.

Specifications

Dimension (W x H x D):   4.00 inch x 1 inch x 4.92 inch
100 mm x 25 mm x 124 mm

Power Requirement: 5V DC, 500mA (USB Bus power)

Supported media format: Compact Flash™ Type I
Compact Flash™ Type II
IBM MicroDrive™
Smart Media™ Card(.3V)
MultiMedia™ Card
Secure Digital™ Card
Memory Stick™
Memory Stick PRO™
MagicGate Memory Stick™
xD-Picture Card™*

Operation Current: <200mA

Suspend Current: <500uA

Transfer rate: Up to 480 Mbps (Via USB 2.0)
Up to 12 Mbps (via USB 1.1)

Supported O/S: Windows 98 SE
Windows 2000
Windows ME (No driver required)
Windows XP (No driver required)
Mac OS 9.1 or later
Mac OS X (No Driver required)

Specifications are subject to change without further notice.
All trademarks, trade names and copyrights are properties
of their respective owners.

Limited Warranty

Atech Flash Technology, Inc. ("AFT"), warrants to the original end user ("Customer") that under normal intended use AFT memory flash card readers will be free from defects in materials and workmanship for one (1) year from the date of purchase. During warranty period, AFT shall either repair, or replace of defective product. AFT shall not be liable for any losses or damages of any kind resulting from the use of AFT products or for any of Customer's data stored on products returned to AFT for service. AFT accepts no liability for and provides no expressed or implied warranty against any loss of data or images.

You may register your product at http://www.atechflash.com Customer must have proof of purchase and obtain warranty service authorization from AFT within the applicable warranty period before returning defective products to AFT. Returned products must be shipped prepaid and packaged appropriately, and it is recommended that they be insured or sent by a method that provides for tracking of the package.

Limitations: This limited warranty is in lieu of all other warranties, terms or conditions; including warranties, terms, or conditions of merchantability, fitness for a particular purpose, satisfactory quality, suppliers, and in no event will AFT be liable for any special, incidental, consequential, or indirect damages resulting from the possession, use, or failure of this product.

Product names mentioned herein are for identification purposes only and may be trademarks and/or registered trademarks of their respective companies.

Media Cards* Compatibility Note
Media cards may not work properly when working with AFT product. If you encounter this problem, contact AFT Tech Support for compatible media card list and potential driver support and update.

Compact Flash™, Secure Digital™, Smart Media™, Microdrive™,Multimedia Card™, Memory Stick™, Memory Stick PRO™, MagicGate Memory Stick™, and xD-Picture Card™**

*Software driver required on Windows 98SE / 2000.
**Does not operate with MagicGate Memory Stick in secure mode.
***xD-Picture Card™ is a trademark owned by Fuji Photo Film Co., Ltd.

Atech Flash Technology, Inc.
www.atechflash.com

Free Manuals Download Website

http://myh66.com

http://usermanuals.us

http://www.somanuals.com

http://www.4manuals.cc

http://www.manual-lib.com

http://www.404manual.com

http://www.luxmanual.com

http://aubethermostatmanual.com

Golf course search by state

http://golfingnear.com

Email search by domain

http://emailbydomain.com

Auto manuals search

http://auto.somanuals.com

TV manuals search

http://tv.somanuals.com