

# USB 2.0 Flash Card Reader

3.5" Multi-Flash Card Reader

35FCREAD20  
35FCREAD20BK

Instruction Manual



Actual product may vary from photo

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This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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## Table of Contents

<b>Introduction</b> .....	<b>1</b>
<b>Features</b> .....	<b>1</b>
<b>Before You Begin</b> .....	<b>1</b>
System Requirements .....	1
Contents .....	2
<b>Installation</b> .....	<b>2</b>
Panel Installation .....	2
<b>Using Your Card Reader</b> .....	<b>3</b>
Inserting a Card .....	3
LED Indicators .....	3
Removing a Card .....	3
Permanently removing the Card Reader .....	3
<b>Troubleshooting</b> .....	<b>4</b>
<b>Technical Specifications</b> .....	<b>5</b>
<b>Accessory Products from StarTech.com</b> .....	<b>6</b>
<b>Technical Support</b> .....	<b>7</b>
<b>Warranty Information</b> .....	<b>7</b>

## Introduction

Thank you for purchasing a StarTech.com 3.5" Multi-Flash Card Reader. This panel works with a wide variety of flash cards (see **Features** for detailed compatibility list) and can be installed in an open 3.5" bay or used as a standalone. The card reader plugs into any USB port and makes it easy to transfer files, images, and music between your computer and your MP3 player, digital camera, cell phone, or PDA.

## Features

- Supports the following types of flash cards: Compact Flash Type I, Compact Flash Type II, MicroDrive, MultiMedia Card (MMC), Reduced Size Multimedia Card (RS-MMC), Memory Stick, Memory Stick Pro, Memory Stick Duo, Memory Stick Pro Duo, Secure Digital card (SD), Mini Secure Digital card (mini-SD), SmartMedia card (SM),
- Can be used as a standalone or a 3.5" front panel USB 2.0 multi card reader.
- Provides an activity and status LED for each of the four card slots.
- Compliant with USB 2.0 to support transfer rates of 480Mbps
- Powered by USB for use as a standalone card reader
- Supports drag and drop between cards
- Fits into any 3.5" drive bay

## Before You Begin

To ensure a quick and easy installation, please read through this section carefully before attempting to install the Flash Card Reader.

**WARNING!** Flash cards, like all computer equipment, can be severely damaged by static electricity. Be sure that you are properly grounded before opening your computer case or touching your card. StarTech.com recommends that you wear an anti-static strap when installing any computer component. If an anti-static strap is unavailable, discharge yourself of any static electricity build-up by touching a large grounded metal surface (such as the computer case) for several seconds.

## System Requirements

- Windows 98SE (or higher) with a Pentium-class (or compatible) processor, or Mac OS X with a Power PC (or above).
- A CD drive
- An available USB port

## Contents

- 1 x Multi-Card Reader
- 1 x User Manual
- 1 x USB Type A to B cable (for Standalone use)
- 1 x USB Type B to motherboard header cable
- Four Screws
- Four Rubber Pads

## Installation

### Panel Installation

**Note:** The instructions below outline how to install the card reader into a 3.5" drive bay. Alternatively, you can use your card reader externally by plugging the USB cable into an open USB port.

1. Make sure that your system is unplugged and you are grounded.
2. Remove the cover of your system and remove the cover from a 3.5" drive bay (see your computer's user manual for details, if necessary).
3. Gently insert the panel into the open 3.5" bay (after threading the attached USB cable into the computer) until it is flush with the front of the case. Make sure the bracket is lined up with the screwholes in the case, and screw the panel into place.
4. Connect the reader to the mainboard, using the 1 x 4 pin header to USB Type 'B' cable. Based on the following table, please ensure that the pin assignments are correct:

Pin 1 (Red)	Pin 2 (White)	Pin 3 (Green)	Pin 4 (Black)
USB 5V	DATA-	DATA+	GND

5. Replace the cover on the computer.
6. Your computer will display a message saying new hardware has been found. Windows 98SE and 2000 users follow the on-screen prompts and direct Windows to the appropriate folder on the driver disk. Windows will install the necessary drivers.

## Using Your Card Reader

The following table illustrates the designation for each card port on the reader. Be sure to use the correct slot as indicated, to avoid damaging your Flash Cards or the data that they contain:

SLOT A	SLOT B	SLOT C	SLOT D
SMC/Others	CF/MD/Others	SD/MMC/Others	MS/MSPro/Others

### Inserting a Card

1. Turn on your computer.
2. Insert your memory card into the proper slot on the card reader, with the top of the card facing upwards..
3. **Mac users:** A new icon will appear on your desktop.  
**Windows users:** A new icon will appear in "My Computer."
4. The card can now be accessed as an extra disk.

### LED Indicators

The LEDs on the card reader are your best indication of the reader's activity. The red light indicates whether or not your card reader is receiving power. Each card slot has a corresponding LED as indicated by the designated letters for each slot.

A solid green light, indicates that a card is detected in the corresponding slot.

A flashing green light indicates that data is being accessed from the card in the corresponding slot.

### Removing a Card

1. Make sure that none of the LEDs on the front of the card reader are flashing. If you remove the card when the LEDs are flashing, data may be lost from your card.
2. **Mac users:** drag the memory card icon to the Trash bin.  
**Windows users:** right-click on the drive icon and choose to eject the card.
3. Physically remove the card from the reader.

### Permanently removing the Card Reader

Use this procedure to permanently uninstall the card reader.

**Windows users:**

1. Make sure there is no card reader connected to the USB port.
2. Click on the “Uninstaller” icon in the taskbar.
3. Click on “USB Storage Device - Change/Remove.”
4. Remove all installed components and click **Next**.
5. Choose to restart your computer and click **Finish**.

**Mac users:**

1. If there is a memory card connected to the card reader, drag the memory card icon into the Trash. Wait until the icon has disappeared.
2. Disconnect the card reader.

## **Troubleshooting**

***The card reader is not detected:***

The reader has not been properly connected or is not receiving enough power. Make sure that the reader’s USB cable is firmly seated in the USB port. If you are connecting the card reader to a hub, make sure that it is a powered hub.

***The card doesn’t fit in the reader.***

Make sure you are installing the card in the proper slot and that the card is facing the right direction. Check with the card manufacturer’s instructions.

***A drive letter is shown for the card, but it can’t be accessed:***

The card has not been formatted or is formatted incorrectly. Follow the instructions provided by the manufacturer of your digital media device (i.e. Your MP3 player, digital camcorder, etc.) to format the card using your digital media device.

***No icon appears when a card is inserted into the reader (Mac OS X)***

The card may have been formatted in Windows’ FAT-32 format. Using a PC or digital device, re-format the card using the OS X compatible FAT or FAT-16 format.

## Technical Specifications

USB Ports	1 x 4 pin USB (Type A)
Standards	USB 2.0
Data Transfer Rate	<p><b>USB 2.0 devices:</b> Up to 480 Mbits/sec</p> <p><b>USB 1.1 devices:</b> Up to 12 Mbits/sec</p> <p><b>Flash Cards:</b> 700 Kbits/sec to 480 Mbits/Sec</p> <p><b>SATA devices:</b> 150 Mbits/sec</p> <p><b>Firewire devices:</b> 400 Mbits/sec</p>
Compatibility	<p><b>CF Slot:</b> CF I, II, CF Ultra (high speed), IBM MicroDrive, Magicstor MD.</p> <p><b>SD Slot:</b> Secure Digital Card, SD Ultra (high speed), Mini SD (adapter needed), MMC, MMC 2.0, MMC 4.0, RS-MMC, T-flash adapter needed.</p> <p><b>SM Slot:</b> Smart Media Card, SM-ROM.</p> <p><b>MS Slot:</b> Memory Stick, Magic Gate, MS Pro, MS Ultra II, MS Select, MS Duo, MS Pro Duo, Magic Gate Duo, MS Duo Magic Gate (These six require an adapter)</p>
LED Indicators	Power & Activity
System Requirements	An available 3.5" bay, Windows 98SE or higher, or Mac OS X



## **Accessory Products from StarTech.com**

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### **139466EXT6**

6 ft. i.Link IEEE-1394 FireWire Extension Cable 6 to 6 pin M/F

### **1394\_10**

10 Ft IEEE-1394 Firewire Cable 6-6 M/M

### **139444EXT6**

6 ft. IEEE-1394 FireWire Extension Cable 4 to 4 pin M/F

### **USBEXTAA\_6**

6 ft. Fully Rated USB Extension Cable A-A

### **USB2FAAEXT15**

16 Foot (5 Meter) USB 2.0 Active Extension Cable

## **Technical Support**

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## **Warranty Information**

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