



SL11RIDE

USB to IDE/ATAPI Controller

Quick Installation Instructions

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1. INTRODUCTION

1.1. Overview

This document provides installation instructions for software as well as how to update firmware for ScanLogic product: SL11RIDE.

Operating System Required:

- Windows 98/2000
- MAC OS Version 8.6 or higher

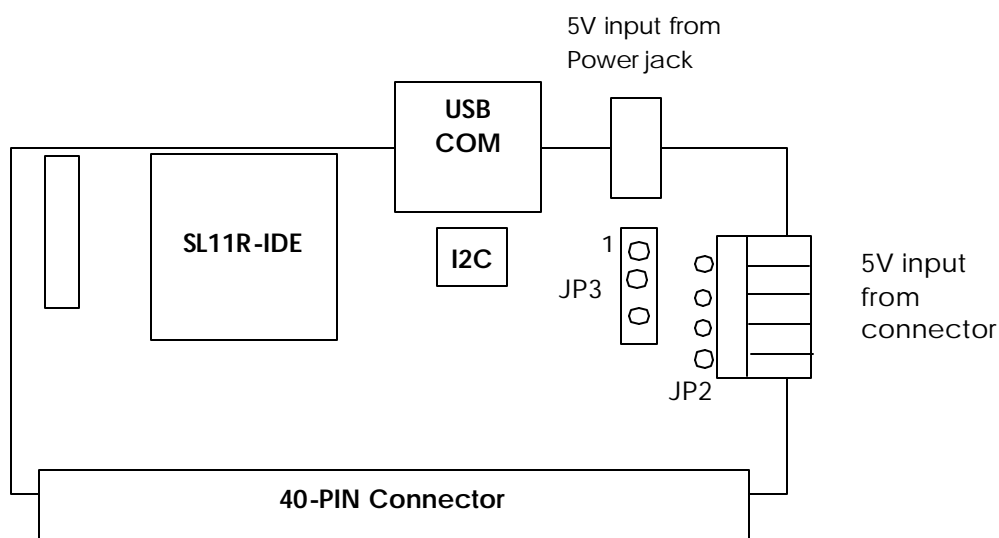
1.2. Software

USB-to-ATAPI/IDE is supported on both Windows and MAC within the same firmware. This firmware is compliant with the latest ATA Attachment Specification, SFF-8020I, and Compact Flash for USB Mass Storage Device.

1.3. Hardware

The SL11RIDE-DVK provides an evaluation board for demonstration purposes. This board supports all ATAPI/IDE devices that are among the compatibility list. This board allows the user to plug and play (PnP) to any Mass Storage Devices such as HDD, CD-ROM, CD-RW, LS120, MD, ZIP, and Tape Backup. For SmartMedia devices, see ScanLogic's SL11RIDE DVK specifically designed for these solutions.

Figure 1: 40-pin Interface ATAPI/IDE devices



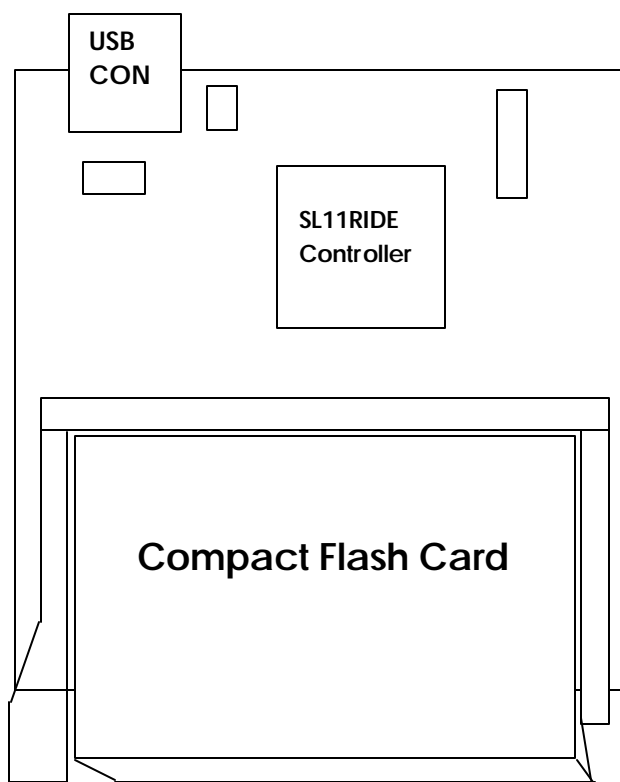
1.3.1. Power setup

Header JP3 lets you select external power or USB power. We recommend you use external power for some ATAPI/IDE devices due to USB's limitation on power (500mA).

JP3:

- Pin1-Pin2: External power: either 5V from power jack or connector.
- Pin2-Pin3: USB Power.

Figure 2: 50-Pin Compact Flash interface



1.3.2. Hardware connection

Note: Please make sure the SL11RIDE board is properly connected to the ATAPI/IDE device before going forward with the hardware connection.

- Connect the SL11RIDE board to an ATAPI/IDE device
- Plug in 5V external power
- Wait 10-20 seconds for the ATAPI/IDE device to spin up
- Plug in the USB cable

2. SOFTWARE INSTALLATION

2.1. Windows OS

The Windows software installation is in the CD that goes with the SL11RIDE-DVK. Any future software updates can be obtained by via [email](mailto:usb2ide@scanlogic.com) or from our web site at <http://www.scanlogic.com>

2.1.1. Windows 98

From Windows Explorer:

1. Open Windows Explorer
2. Select *Software* Folder
3. Double click "setup.exe"
4. Follow the instructions on the screen to finish setup
5. Connect ATAPI/IDE devices to the SL11RIDE board
6. Restart the Windows

Note:

- For windows2000 OS, you need the nt2000.inf file to set up drivers. It is located in c: \Program Files\Scanlogic\usb2ide\sys.
- Go to Firmware Update

2.2. MAC OS

The MAC software installation is located in the CD contained in the SL11RIDE-DVK. Any future software updates can be obtained via [email](mailto:usb2ide@scanlogic.com) or from our web site at <http://www.scanlogic.com>

2.2.1. ScanLogic USB2IDE Driver

Installation for HD, ZIP, LS120, ORB, and MD

1. Insert the CD into the CD Drive
2. Copy USB2ideClassShim and USB2ideDriver to [System Folder]->[extensions]
3. Turn off the Mac
4. Connect the SL11RIDE board to an ATAPI/IDE Device
5. Restart Mac OS

Note: This assumes the firmware is already burned into EPPROM

2.2.2. CharisMC Driver

Installation for CD-ROM and CD-RW

1. Insert the Describe CD-ROM into CD-ROM Drive
2. Double click "Install"
3. Connect the SL11RIDE board to an ATAPI/IDE Device
4. Restart Mac OS

Note: You must follow instructions from the screen to complete the firmware update procedure

Warning!

You cannot run both

- 1) The ScanLogic USB2IDE Driver and**
- 2) The CharisMAC driver at the same time.**

You must run either 1) or 2) alone.

2.3. Firmware Update

The setup.exe file will setup the tools, firmware, and mini-port drivers in the following directories:

C:\Program Files\Scanlogic\USB2IDE\Firmware	; ATAPI/IDE firmware
\sys	; mini-port drivers and inf files
\bin	; QT Tools

This assumes:

- You have removed any previous setup.exe files
 - You have re-installed the new setup.exe
1. Connect an ATAPI/IDE device to the SL11RIDE board
 2. Double click batch file under [Start] → [Programs] → [ScanLogic] → cidexxx.bat
 3. Follow instructions on the screen to finish the firmware update