

Working with MotionLink
Firmware download
via USB port

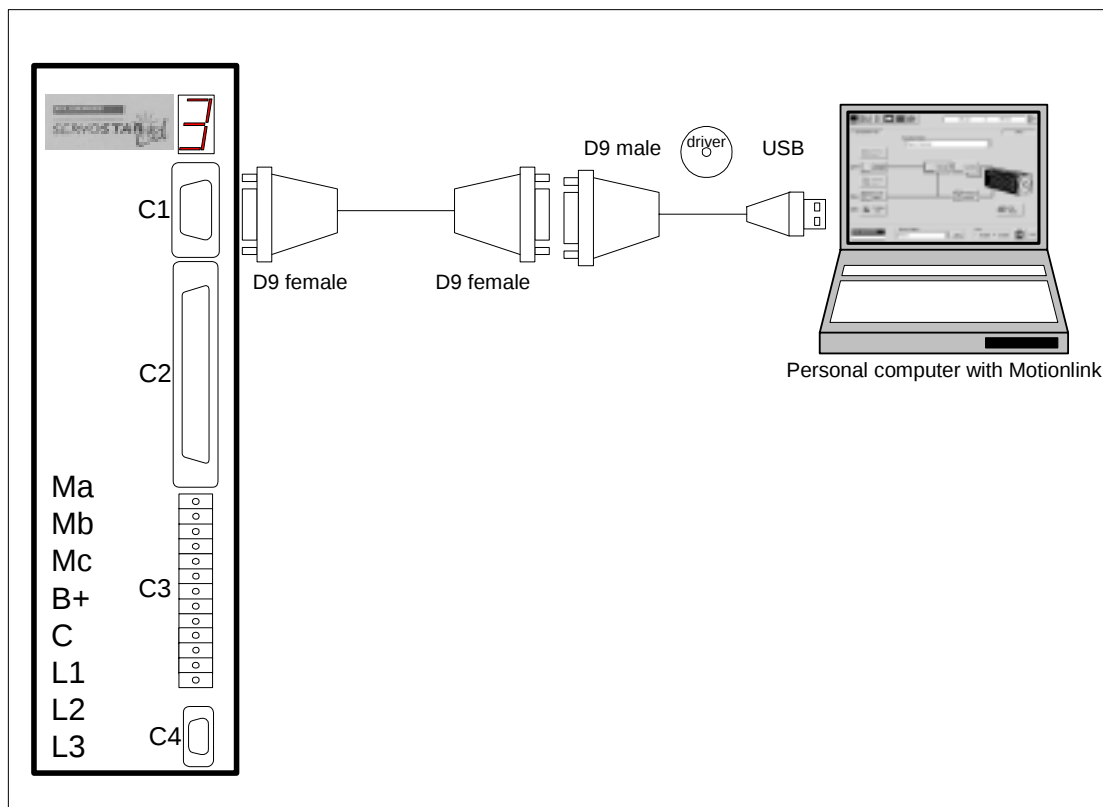


Table Of Contents

1.	INTRODUCTION.....	2
2.	INSTALLATION.....	2
3.	MOTIONLINK COMMUNICATION SETTING.....	3
4.	FIRMWARE DOWNLOAD.....	3

1. Introduction

MotionLink provides a graphical, Windows-based way to configure your ServoStar drive. Through the use of familiar Windows screens, dialog boxes, and controls, MotionLink provides an easy-to-use interface between you and the drive.

The heart of the MotionLink system of controlling your drive is the RS232 serial interface between your PC and the drive connector known as C1. Normally, if you were working with a dumb terminal and typing in commands directly to the ServoStar drive, you would type in commands and variables one-by-one from the terminal. The drive won't accept transmissions unless you use the proper format, syntax, and variable ranges, so this means you would have to know the syntax of every command and variable in the ServoStar command and variable set - that's nearly 300 commands and variables!

With MotionLink, you don't need to know exactly how to use all of those commands and variables, because MotionLink takes care of all that for you. Just move from screen to screen, pressing buttons and entering variable values, and as you do, MotionLink transmits and receives commands and variables based on what you do.

Some new desktop computers and laptops do not come any more with RS232 COM port but only with USB port; the overcome this issue you can use **USB-Serial converter** . USB to 9-pin RS-232 Serial converter.

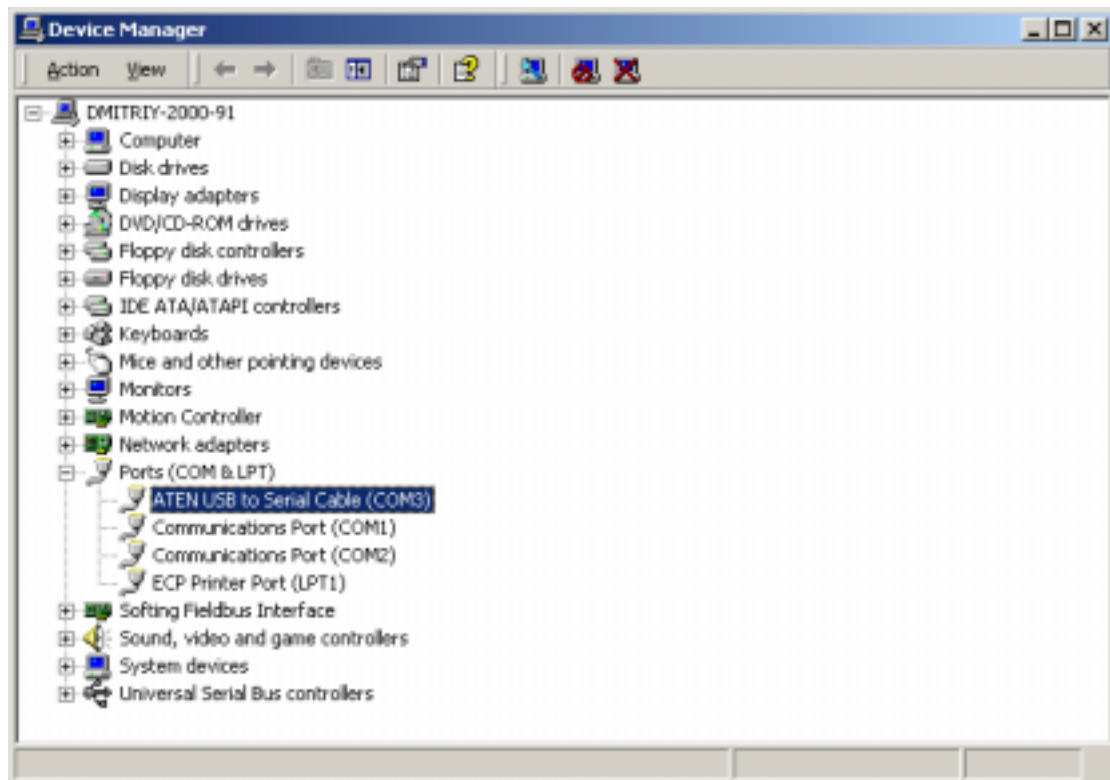
We used ATEN USB-Serial Converter Model:UC232A

2. Installation

Install the **USB- Serial converter** drive software to your PC, use provided installation manual that come with the converter according to your operation system.

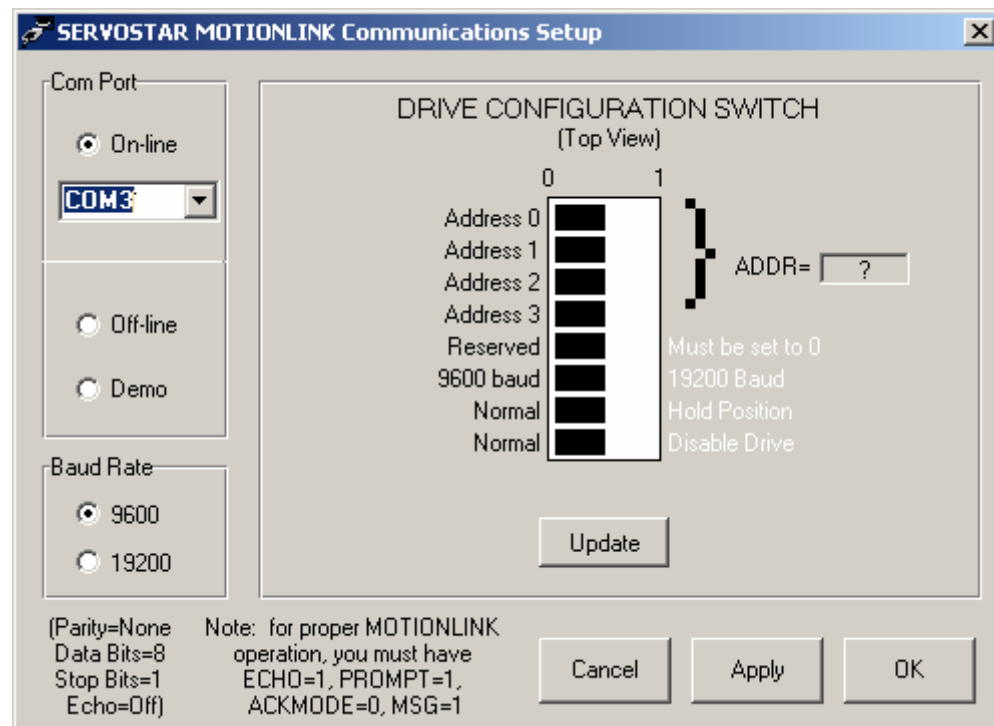
To check that software drive was correctly installed:

- 1) Open the System folder: (My Computer -> Control Panel -> System)
- 2) Click the Device Manager
- 3) Click the Plus sign in front of Ports.
- 4) If the installation completed successfully, you should see an entry for USB to Serial to Serial Cable. In our case the COM port is COM3.



3. MotionLink Communication Setting

Open MotionLink, Press "Com Setup" button, Communication Setup screen will open. Choose the installed COM port. Both baud rates are valid.



Actually, MotionLink doesn't know that he is not working via **USB port**, MotionLink will operate like it works with usual RS232 COM port.

4. Firmware download

The firmware download tool (WinIgnite) for CD Series 2 and 5 and Servo star S PICO and rack mount drive will **NOT work** with **USB-Serial converter**, this Servo drives requires serial break support in RS232 during firmware download. The adapter that we used does not support serial break. If your **USB-Serial converter** supports serial break in RS232 communication than WinIgnite will work correctly. WinIgnite called Ignite 28xx for CD Synqnet and some OEM drives **will** work with **USB-Serial converter** as with usual COM Port

