Installing μ-Manager Installing MPC200/ROE200 in μ-Manager

Installing µ-Manager

Do an internet search for µ-Manager or go to: <u>http://valelab.ucsf.edu/~MM/MMwiki/</u>

In the top banner→ Downloads, then left panel→ Download Nightly Builds→ Version 1.4
(a) Index displays a list of software versions, choose the most recent date (and 32 or 64 bit option)

(b) Save file, look in downloads folder if needed, double click file, Run and start wizard

Index of /~MM/nightlyBuilds/1.4/Windows

	Name	Last modified Size Description
	Parent Directory	-
00	MMSetup64BIT 1.4.14 20121218.exe	18-Dec-2012 23:08 45M
	MMSetup32BIT 1.4.14 20121218.exe	18-Dec-2012 22:09 46M
	MMSetup64BIT 1.4.14	
	MMSetup32BIT 1.4.14	
10 01 10	MMSetup64BIT 1.4.14 MMSetup?	32BIT_1.4.14_20121218.exe 11:56 AM
	MMSetup32BIT 1.4.14	csf.edu
	MMSetup64BIT 1.4.14	
10 01 10	MMSetup32BIT 1.4.14	Open File - Security Warning
10 01 10	MMSetup64BIT 1.4.14	The publisher could not be verified. Are you sure you want to
	MMSetup32BIT 1.4.14	run this software?
	MMSetup64BIT 1.4.14	Name:Downloads\MMSetup32BIT_1.4.14_20121218.exe
	MMSetup32BIT 1.4.14	Type: Application
	MMSetup64BIT 1.4.14	From: C:\Users\misha\Downloads\MMSetup32BIT_1.4
	MMSetup32BIT 1 4 14	Bin Creat
	MMSetup64BIT 1 4 14 20121211 ava	
	MMSetup32BIT 1 4 14 20121211 eve	Always ask before opening this file
	Misetup 64PTT 1 4 14 20121211.exe	This file does not have a valid dinital signature that verifies its
	mpecupo4bii 1.4.14 20121210.exe	publisher. You should only run software from publishers you trust.

Follow wizard prompts for destination location, start menu folder, check box for desktop icon, Install. Launch μ -manager, Finish.

Installing MPC200/ROE200 in µ-Manager

The MPC200/ROE200 in μ -Manager is a serial device. You need to install ROE200 and VCP(virtual com port) first.

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When μ -Manager opens go to Tools \rightarrow Hardware Configuration Wizard

4 Micro-	Micro-Manager 1.4.12 20121115 -				
File Tool	s Plugins Help				
	Refresh GUI Configuration settings Save				
	Rebuild GUI	Group Preset			
Piea	Script Panel Shortcuts Device/Property Browser XY List				
	Multi-Dimensional Acquisition				
Imag	Mouse Moves Stage	D bits, Onm/pix			
	Pixel Size Calibration				
	Hardware Configuration Wizard	Curs descale Claw hist			
	Load Hardware Configuration Open wizard to create new hardware configuration				
	Reload Hardware Configuration	Autostretch Ignore % 2 V Log hist			
	Switch Hardware Configuration				
	Save Configuration Settings as				
	Options				

Step 1) Select Create New Configuration, Next

Step 2) Find SutterMCP folder, open and select contents. Click Add.

stalled De	vices:				Adding on Domoning Domision
lame	Adapter/Library	Description	Status	Edit	Adding or Removing Devices
ore	MMCore/Default	Core controller	Default	Peripherals	1. The list share displays all of
				Remove	1. The list above displays all of the devices that will be handled
					hy Micro-Manager in this
					configuration file
					2 If you are making a new
					configuration file for the first
					time, please visit the
					Miara Managar mahaita
					Micro-Manager website
					(www.micro-manager.org) and
					(www.micro-manager.org) and look under Devices to find
					(www.micro-manager.org) and look under Devices to find instructions for setting up all
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Step 3i) New window opens, assign COM port value. The COM port value corresponds to the one defined during the VCP driver installation. Check Device Manager for COM value. Remember that μ -Manager prefers the lowest COM value possible.

Device: Sutter MI	PC Library: SutterMPC	×
Initialization Propertie	s	
Device	Property	Value
Sutter MPC	Port	COM1
	I	COM1
		COM2
		COM3
Port Properties (RS 2	32 settings)	Scan

Step 3ii) Then in the port properties change the baud rate to 128000, OK, Next

	APC Library: SutterMPC				
Label Sutter MPC					
Initialization Properties					
Device Property Value		Value			
Sutter MDC	Port	COM2			
Sutter MPC	Port	COM2			
Port Properties (RS	232 settings)		Scan		
Port Properties (RS	232 settings)		Scan		
Port Properties (RS	232 settings)		Scan		
Port Properties (RS	232 settings) Property	Value	Scan		
Port Properties (RS Device COM3	232 settings) Property AnswerTimeout	Value 500.0000	Scan		
Port Properties (RS Device COM3 COM3	232 settings) Property AnswerTimeout BaudRate	Value 500.0000 9600	Scan		
Port Properties (RS Device COM3 COM3 COM3	232 settings) Property AnswerTimeout BaudRate DelayBetweenCharsMs	Value 500.0000 9600 9600	Scan		
Port Properties (RS Device COM3 COM3 COM3 COM3	232 settings) Property AnswerTimeout BaudRate DelayBetweenCharsMs Handshaking	Value 500.0000 9600 9500 14400	Scan		
Port Properties (RS Device COM3 COM3 COM3 COM3 COM3	232 settings) Property AnswerTimeout BaudRate DelayBetweenCharsMs Handshaking Parity	Value 500.0000 9600 9600 14400 19200	Scan		
Port Properties (RS Device COM3 COM3 COM3 COM3 COM3 COM3 COM3	232 settings) Property AnswerTimeout BaudRate DelayBetweenCharsMs Handshaking Parity StopBits	Value 500.0000 9600 14400 19200 57600	Scan		
Port Properties (RS Device COM3 COM3 COM3 COM3 COM3 COM3 COM3 COM3	232 settings) Property AnswerTimeout BaudRate DelayBetweenCharsMs Handshaking Parity StopBits Verbose	Value 500.0000 9600 14400 19200 57600 115200	Scan		
Port Properties (RS Device COM3 COM3 COM3 COM3 COM3 COM3 COM3 COM3	232 settings) Property AnswerTimeout BaudRate DelayBetweenCharsMs Handshaking Parity StopBits Verbose	Value 500.0000 9600 9600 14400 19200 57600 115200 128000	Scan		
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Port Properties (RS Device COM3 COM3 COM3 COM3 COM3 COM3 COM3	232 settings) Property AnswerTimeout BaudRate DelayBetweenCharsMs Handshaking Parity StopBits Verbose	Value 500.0000 9600 14400 19200 57600 115200 128000 230400 246800	Scan		
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For steps 4 thru 6, Next. Step 7) Enter a file name for the configuration in the box. Finish.

	A ray target they they
Step 6 of 6: Save configuration and exit	
Configuration file: Sutter_MCP200	Browse
Sutter_MCP200	Browse You have successfully completed the Configuration Wizard and the hardware configuration for your system has been built.
	< Back Finish