# CipherLab User Guide

# Installation of USB Virtual COM

Version 1.01



# **RELEASE NOTES**

Version	Date	Notes
1.01	Dec. 10, 2009	Supports driver for Windows 7
1.00	Apr. 09, 2009	Initial release

### CONTENTS

RELEASE NOTES	- 2 -
INSTALLING USB VIRTUAL COM DRIVERS	1
Install USB Virtual COM Drivers	1
Check Existing Driver Version	7
Remove Existing Setup File & Drivers	8
First, Remove Setup File Secondly, Remove Drivers	8 9
USING USB VIRTUAL COM	.11
Connect Your USB Device	11
Find out Available COM Ports	13

# INSTALLING USB VIRTUAL COM DRIVERS

If you are using USB Virtual COM for the first time, you must install its driver first. Driver version 5.3 or later is required.

#### INSTALL USB VIRTUAL COM DRIVERS

- I) Run the setup file:
  - CP210x\_VCP\_Win2K\_XP\_S2K3.exe for Windows Vista/2003 Server/XP/2000
  - CP210x\_VCP\_Win7.exe for Windows 7
- Note: Driver for Windows 98se is not included in the driver package. Please contact our sales representative for drivers.

The InstallShield Wizard will guide you through how to install drivers for Windows.

However, if there is an existing setup file installed on your computer, you will see the following dialog box. Click [Cancel] to exit setup.

Silicon Laboratories CP210x VCP Drivers for Windows 2000/XP/2003 Server/ 📃	
Existing Installed Instances Detected	
Select the appropriate application instance to update.	
Setup has detected one or more instances of this application already installed on your system. Y can maintain or update an existing instance or install a completely new instance.	'ou
Install a new instance of this application.	
C Maintain or update the instance of this application selected below:	
Display Name In	st
Silicon Laboratories CP210x VCP Drivers for Windows 2000/XP/2003 Server/Vista c:	v L
< Back Next > Cancel	Ŕ

#### Click [Yes] to cancel the setup.



Refer to <u>Check Existing Driver Version</u> and find out if the driver version is 5.3 or later.

2) Click [Next] to continue.



3) Read the License Agreement and select to accept the terms. Click [Next] to continue.

Silicon Laboratories CP210x VCP Drivers for Windows 2000/XP/2003 Server/Vist	a 🗙
License Agreement Please read the following license agreement carefully.	4
END-USER LICENSE AGREEMENT IMPORTANT: READ CAREFULLY BEFORE AGREEING TO TERMS SILICON LABORATORIES INC., SILICON LABORATORIES INTERNATIONAL PTE. LTD., AND THEIR AFFILIATES (COLLECTIVELY, "SILICON LABS") HAVE DEVELOPED CERTAIN MATERIALS (E.G., DEVELOPMENT TOOLS, EXAMPLE CODE, EMBEDDABLE CODE, DLLs, SOFTWARE/COMPUTER PROGRAMS AND OTHER THIRD PARTY PROPRIETARY MATERIAL) ("LICENSED MATERIALS") THAT YOU MAY USE IN CONJUNCTION WITH SILICON LABS' MCU PRODUCTS. ANY USE OF THE LICENSED MATERIALS IS SUBJECT TO THIS END-USER LICENSE	
I accept the terms of the license agreement     Print     I do not accept the terms of the license agreement	
InstallShield Kext > Can	el

4) If you wish to change the destination location, click [Browse...] on the right. Otherwise, click [Next] to continue.

Silicon Laboratories CP210x VCP Drivers for Windows 2000/XP/2003 Server/Vista 🗙			
Choose Destination Location Select folder where setup will install files.			
Setup will install Silicon Laboratories CP210x VCP Drivers for Windows 2000/XP/2003 Server/Vista in the following folder.			
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.			
Destination Folder			
c:\SiLabs\MCU Browse			
InstallShield			
< Back Next > Cancel			

5) Click [Install] to begin the installation.

Silicon Laboratories CP210x VCP Drivers for Windows 2000/XP/2003 Server/Vista 🗙
Ready to Install the Program The wizard is ready to begin installation.
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
Installohreid Cancel

6) Wait for several seconds while installing drivers (= copying files to your hard drive).

Silicon Laboratories CP210x VCP Drivers for Windows 2000/XP/2003	Server/Vista 🗙
Setup Status	X
The InstallShield Wizard is installing Silicon Laboratories CP210x VCP Drivers 2000/XP/2003 Server/Vista	for Windows
Installing	
InstallShield	
	Cancel

7) Click [Launch the CP210x VCP Driver Installer] to install drivers or update an existing driver. Click [Finish] to complete the setup. Otherwise, you can run the installer later from the default install directory.

Silicon Laboratories CP210x VCP Drivers for Windows 2000/XP/2003 Server/Vista - Ins		
	InstallShield Wizard Complete	
	The InstallShield Wizard has successfully copied the Silicon Laboratories CP210x VCP Drivers for Windows 2000/XP/2003 Server/Vista to your hard drive. The driver installer listed below should be executed in order to install drivers or update an existing driver.	
	Launch the CP210x VCP Driver Installer.	
	Click Finish to complete the Silicon Laboratories CP210x VCP Drivers for Windows 2000/XP/2003 Server/Vista setup.	
< Back Finish Cancel		

8) It will install "CP210x USB to UART Bridge Driver" now.

If you wish to change the destination location, click [Change Install Location...]. Otherwise, click [Install] to continue.

🛃 Silicor	n Laboratories CP210x USB to UART Bridge Driver In	staller 🛛 🕨	(
3	Silicon Laboratories Silicon Laboratories CP210x USB to UART Bridge		
Installa	lation Location: Driver	Version 5.4	
C:\Program Files\Silabs\MCU\CP210x\			
Ch	nange Install Location	Cancel	

9) Wait for several seconds while installing the drivers. Click [OK] to exit the wizard.



#### CHECK EXISTING DRIVER VERSION

Go to **Start | Control Panel | Add or Remove Programs**. If you have installed the driver before, it will be on the program list.

🐞 Add or Remov	e Programs	<u>_   ×</u>
	Currently installed programs:	Name
C <u>h</u> ange or Remove	🖟 Silicon Laboratories CP210x USB to UART Bridge (Driver Removal)	<b>_</b>
Programs	To change this program or remove it from your computer, click Change/Remove.	Change/Remove
Add New	Bilicon Laboratories CP210x VCP Drivers for Windows 2000/XP/2003 Size Server/Vista	2.86MB
Programs	S	19.80MB
<b>5</b> -	Silicon Laboratories	0.16MB
Add/Remove Windows	Silicon Laboratories CP210x USB to UART Bridge	14.48MB
Components	Installation Location: Driver Version 5.4	31.08MB 👻
	C:\Program Files\Silabs\MCU\CP210x\	
	Uninstall	

Note: If the existing driver is older than version 5.3, please follow <u>Remove Existing</u> <u>Setup File & Driver</u>.

#### **REMOVE EXISTING SETUP FILE & DRIVERS**

#### FIRST, REMOVE SETUP FILE

- I) Select the setup file.
- 2) Click [Remove] to remove the setup file.

🐞 Add or Remov	e Programs		
	Currently installed programs:	dates <u>S</u> ort by: Name	
Change or Remove	MSXML 6.0 Parser (KB933579)	Size	1.31MB
Programs	are Remote Display Control	Size	0.08MB
- <b>-</b>	📳 Sentinel System Driver		
Add <u>N</u> ew	🔀 Silicon Laboratories CP210x USB to UART Bridge (Driver Removal)		
Programs	រីទី Silicon Laboratories CP210x VCP Drivers for Windows 2000/XP/2 Server/Vista	.003Size	2.86MB
	Click here for support information.	Used	occasionally
Add/Remove <u>W</u> indows Components	To change this program or remove it from your computer, dick Change or R	Last Used On Lemove. Change	4/3/2009

3) Wait for several seconds while uninstalling the setup file. Click [Yes].

Silicon Laboratories CP210x VCP Drivers for Windows 2000/XP/2003 Server/Vista - InstallShield Wizard	$\times$		
Do you want to completely remove the selected application and all of its features?			
Yes No			

4) Click [OK].

Silicon Laboratories CP210x VCP Drivers for Windows 2000/XP/2003 Server/Vista - InstallShield Wizard 🛛 🗙			
į)	The CP210x Driver Setup Files were removed successfully. To uninstall the CP210x Driver itself open Control Panel and select Add or Remove Programs. Then, choose to remove the "Silicon Laboratories CP210x USB to UART Bridge (Driver Removal)".		
	OK		

5) Click [Finish].



#### SECONDLY, REMOVE DRIVERS

- 6) Select the driver.
- 7) Click [Change/Remove] to remove the drivers.

🐞 Add or Rem	lovo	Programs			
	<u>▲</u>	Currently installed programs:	Show up <u>d</u> ates	Sort by: Name	•
C <u>h</u> ange or Remove		MSXML 6.0 Parser (KB933579)		Size	1.31MB
Programs		💮 Remote Display Control		Size	0.08MB
- <b>-</b>		🔂 Sentinel System Driver			
Add <u>N</u> ew		🕞 Silicon Laboratories CP210x USB to UART Bridge (Di	river Removal) 🛑		
Programs		To change this program or remove it from your computer, di	ck Change/Remove.	Change	/Remove
		SnagIt 7		Size	19.80MB
Add/Remove <u>W</u> indows		SoundMAX		Size	0.16MB
Components		두 VGA Utility		Size	14.48MB
	•				

8) Click [Uninstall].

Silicon Laboratories Silicon Laboratories CP210x USB to UART Bridge	
Installation Location: Driver Version 5.1	
C:\Program Files\Silabs\MCU\CP210x\	
Uninstall Cancel	

9) Click [Yes] to restart your computer.

8	Silicon La	aboratories CP210x USB to UART Bridge Driver Uninstaller	1
	System 9	Settings Change	
	?	You must restart your computer before the new settings will take effect. Do you want to restart your computer now?	
_		Yes No Uninstail Cancel	

Note: You must restart your computer before the new settings take effect.

# **USING USB VIRTUAL COM**

#### CONNECT YOUR USB DEVICE

- I) After having successfully installed the driver to your system, connect your USB device to PC.
- 2) Click [Continue Anyway] to confirm the hardware installation.

Hardware Installation		
<u>.</u>	The software you are installing for this hardware: Silicon Labs CP210x USB to UART Bridge has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.) Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.	
	Continue Anyway STOP Installation	

3) Click [Finish].

Found New Hardware Wizard	
	Completing the Found New Hardware Wizard
	The wizard has finished installing the software for:
	Silicon Labs CP210x USB to UART Bridge
	Click Finish to close the wizard.
	< Back Finish Cancel

4) The system recognizes the new hardware. A few seconds later, another message is displayed to inform you that your device is ready for use.



#### FIND OUT AVAILABLE COM PORTS

To find out which COM port is assigned to your USB device:

- I) Go to Start | Control Panel | System.
- 2) Click on the Hardware tab.
- 3) Click [Device Manager].



4) Click to expand the list of [Ports (COM & LPT)].

