USER GUIDE

USB Virtual COM

Accessory Part No. 308

Version 2.10





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IMPORTANT NOTICES

FCC REGULATION

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.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

RELEASE NOTES

VERSION	DATE	NOTES	
2.10	Nov. 26, 2007	New Word template applied	
2.00	Apr. 12, 2007	New release	
1.03	Mar. 03, 2007	 Supports Windows Vista driver 	
1.02	Mar. 24, 2005	Modified: add certification marks on the "Statements" page	
1.01	Mar. 18, 2005	 Modified: specify "Windows 98se" instead of "Windows 98" Modified: section 4 – replace the last screenshot 	
1.00	Mar. 18, 2005	Official release	

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INTRODUCTION

The 308 USB Virtual COM Interface provides the USB interface to a rich choice of CipherLab products, such as the 1000 Series Barcode Scanners, 8300 Series Mobile Computers, and so on.

This product fully complies with USB 2.0 specification and supports Windows Vista/XP/Me/98se. It ships with a disk containing the associated driver and this installation guide. To avoid any improper disposal or operation, please read this document thoroughly before use.

Thank you for choosing CipherLab products!

OVERVIEW

For connecting your legacy CipherLab product to the USB port of computer, the 308 Virtual COM Interface provides a complete yet flexible solution.



INTERFACE OPTIONS

Depending on your requirements, you may place a specific order so that the 308 Virtual COM Interface serves as a converter for

CABLE TYPE	INTERFACE OPTIONS	FOR USE WITH CIPHERLAB PRODUCTS
Detachable Cable	USB to RJ-45	1090+, 1100, 1105, 1200 Scanners
	USB to DB-15 (male)	3666 Bluetooth Cradle
	USB to DB-9 (male)	
	USB to CipherLab Serial	8000, 8300, 8500 Cradles; 8300 Mobile Computer
Cable Assembly	USB to 8000 Cradle	8000 Cradle
	USB to 1000 Scanner	1000 Scanner

FEATURES

- Compliant with USB 2.0 specification
- Supports Windows Vista/XP/2000/Me/98se drivers
- Truly plug-and-play
- > Provides rich interface options for customization
- Worldwide certification CE, FCC, VCCI, C-tick, CNS and MIC

Note: Drivers for Windows Me/98se are not included in the driver package. Please contact our sales representative for drivers.

GETTING STARTED



Installing the Driver

If you are using the 308 Virtual COM Interface for the first time, you must install its driver first. After that, the 308 Virtual COM Interface is a plug-and-play device for Windows Vista/XP/2000/Me/98se.

WINDOWS UPDATE FOR DRIVERS

There is no need to connect to Windows Update for the 308 driver. For Windows Vista/XP, you must make sure that the Windows Update setting is changed to "never search" Windows Update for drivers. After connecting the 308 device and finding it works properly, you can change the setting if you like.

- I) Go to Control Panel and select [System] to view system properties.
- 2) In the [System Properties] dialog box, click [Windows Update] to find out your current setting.

System Prop	perties	? ×
Advar Gene	nced Automatic Updates Remote eral Computer Name Hardware	
Device I	Manager The Device Manager lists all the hardware devices installed on your computer. Use the Device Manager to change the properties of any device. <u>D</u> evice Manager	
Drivers	Driver Signing lets you make sure that installed drivers are compatible with Windows. Windows Update lets you set up how Windows connects to Windows Update for drivers. Driver Signing Windows Update	
Hardwar	e Profiles Hardware profiles provide a way for you to set up and store different hardware configurations. Hardware <u>P</u> rofiles	
	OK Cancel App	ly

3) You can have either of the two settings.



If you insist on being asked to search Windows Update every time you connect a new device (as shown below), you will be guided through the driver installation by the "Found New Hardware Wizard" after you have run the pre-installer and connected the 308 Virtual COM Interface for the first time.

Connect to Windows Update	×
When you connect a new device, how do you want Wind connect to the Windows Update Web site to search for a matching driver?	lows to
O If my device needs a driver, go to Windows Update without asking me	•
Ask me to search Windows Update every time I co a new device Not recommended!	nnect
O Never search Windows Update for drivers	
Using Windows Update requires a connection to the Inter	net.
Read our privacy policy OK Can	cel

RUN THE PRE-INSTALLER

Check whether the old 308 driver is displayed on the program list of [Change or Remove Programs] in the Control Panel. If yes, remove the old driver now.



Note: Before you run the pre-installer, make sure that there is no previous version of 308 driver available on your computer.

If you are sure that no previous version of 308 driver is available on your computer, follow the steps described below to install the up-to-date driver.

- 1) Copy the driver package from the disk to your computer and unzip it.
- 2) Open the execution file (CP210x_VCP_Win2K_XP_S2K3.exe).

Silicon Laboratories CP210x VCP Drivers for Windows 2000/XP/2003 Server/ 💶 🗙
Preparing Setup Please wait while the InstallShield Wizard prepares the setup.
Silicon Laboratories CP210x VCP Drivers for Windows 2000/XP/2003 Server/Vista Setup is preparing the InstallShield Wizard, which will guide you through the rest of the setup process. Please wait.
InstallShield Cancel

 The InstallShield Wizard will guide you through how to install drivers for Windows. Click [Next] to continue.



4) 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 THIS PRODUCT CONTAINS CERTAIN COMPUTER PROGRAMS AND OTHER THIRD PARTY PROPRIETARY MATERIAL (ILICENSED PRODUCTI), THE USE OF WHICH IS SUBJECT TO THIS END-USER LICENSE AGREEMENT. INDICATING YOUR AGREEMENT CONSTITUTES YOUR AND (IF APPLICABLE) YOUR COMPANY'S ASSENT TO AND ACCEPTANCE OF THIS END-USER LICENSE AGREEMENT (THE "LICENSE" OR "AGREEMENT"). IF YOU DO NOT AGREE WITH ALL OF THE TERMS, YOU MUST NOT USE THIS PRODUCT. WRITTEN APPROVAL IS NOT A DEPENDENT TO THE TERMS of the license agreement	
InstallShield	
< <u>Back</u> <u>N</u> ext> Can	el

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

Silicon Laboratories CP210x VCP Drivers for Windows 2000/XP/2003 Serve	er/Vista 🗙
Choose Destination Location	
Select folder where setup will install files.	- and the second
V	
Install Silicon Laboratories CP210x VCP Drivers for Windows	
C:\SiLabs\MCU	<u>C</u> hange
InstallShield	
< <u>Back</u>	Cancel

6) 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.	No.
Click Install to begin the installation.	
If you want to review or change any of your inst the wizard.	allation settings, click Back. Click Cancel to exit
InstallShield	< <u>B</u> ack Install Cancel

7) Wait for several seconds while installing drivers.

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

🛃 Silico	n Laboratories CP210x USB to U	JART Bridge Driver Installer	×
*	Silicon Laboratories Silicon Laboratories CP210x USB ti	o UART Bridge	
Instal	ation Location:	Driver Version 4.40	
C:	Program Files\Silabs\MCU\CP210x\		
¢	nange Install Location	Install Cancel	

9) Simply click [No] here.

System 9	Settings Change	
?	You must restart your computer before the new settings will take effect. Do you want to restart your computer now?	

Note: The new settings will take effect whether you restart your computer or not.

The wizard has successfully installed the associated drivers to your computer. Click [Finish] to exit the wizard.



CONNECT THE 308 DEVICE

After successfully installing the driver to your system, connect the 308 USB Virtual COM Interface to your computer.

The system recognizes the new hardware – "CIPHERLAB 308 USB-to-RS-232 Interface Converter" and "CP210x USB Composite Device" (as shown below).



A few seconds later, another message is displayed to inform you that the 308 Virtual COM Interface is ready for use.



FIND OUT AVAILABLE COM PORTS

To find out which COM port is assigned to your 308 device:

- I) Go to Control Panel and select [System].
- 2) In the [System Properties] dialog box, click [Device Manager].

System Properties		<u>?×</u>					
Advanced General	Automatic Updates Computer Name	Remote Hardware					
Device Manager The Device Manager lists all the hardware devices installed on your computer. Use the Device Manager to change the properties of any device.							
Drivers Driver Signing lets you make sure that installed drivers are compatible with Windows. Windows Update lets you set up how Windows connects to Windows Update for drivers. Driver Signing Windows Update							
Hardware Profiles Hardware profiles provide a way for you to set up and store different hardware configurations.							
Hardware Profiles							
	ОК	Cancel Apply					

3) In the [Device Manager], check the list of [Ports (COM & LPT)].

🚇 Device Manager	
<u>File Action View H</u> elp	
E-Ports (COM & LPT)	_
Communications Port (COM2)	
CP210x USB to UART Bridge Controller (COM5)	
ECP Printer Port (LPT1)	
🗄 🛲 Processors	
±	
🖅 🧕 System devices	
🗄 🕰 Universal Serial Bus controllers	
🖙 🖨 CP210x USB Composite Device	•

Removing the Driver & Setup Files

Once the installation is completed, you will find the following information from the [Device Manager]:



The setup files (i.e. the pre-installer) and the driver itself will be displayed on the program list of [Change or Remove Programs] in the Control Panel.

🔂 Add or Remove Programs					
5	Currently installed programs:	Show up <u>d</u> ates	Sort by: Name	~	
Change or Remove	1 MSXML 4.0 SP2 (KB927978)		Size	2.56MB	
Programs	🚱 QuickTime		Size	2.48MB	
Add <u>N</u> ew Programs	😨 RealPlayer		Size	38.79MB	
	📳 Realtek AC'97 Audio		Size	1.34MB	
	👸 REALTEK Gigabit and Fast Ethernet NIC Driver		Size	1.93MB	
-	💮 Remote Display Control		Size	0.08MB	
	🔀 RF Workshop	Size	8.55MB		
Add/Remove <u>W</u> indows	🔀 Rhapsody Player Engine		Size	1.18MB	
Components	👸 Silicon Laboratories CP210x USB to UART Bridge ((Driver Removal)			
Set Program Access and	🗒 Silicon Laboratories CP210x VCP Drivers for Wind	ows 2000/XP/2003 Server/Vista	Size	0.68MB	
	🕥 Sonic Audio Module		Size	24.50MB	
	Sonic Copy Module		Size	24.60MB	
Deraults	🕤 Sonic Data Module		Size	24.75MB	
	💥 Sonic Express Labeler		Size	13.28MB	
	Sonic MyDVD Plus		Size	264.00MB	
	🔂 Sonic Update Manager		Size	2.39MB	
	🕞 Texas Instruments PCIxx21/x515 drivers.				
	🔞 Windows Installer 3.1 (KB893803)			~	

If you wish to remove the whole driver package, select the program and click [Remove] one by one.



Note: We suggest that you re-start your computer for the new settings to take effect.