Digital DRIVE for Brushless motors SMD Series

USB Driver Installation guide

Read manual before installing and follow all instructions with this icon:



SMD-USB driver Installation Guide-1910-EN

SERAD

USB Driver Installation Guide

Table of contents

Tél.

OVERVIEW	1
System requirements	
РС	
Cable	1
USB DRIVER FILES	1
Precautions	1
DRIVER INSTALLATION	2
STEP 1	2
STEP 2	2
STEP 3	3
PREFERENCES	5
COM Port setting	5

R1910	SC (SERAD)	04/02/2019	First edition
Revision	Edited by	Date	Modification

OVERVIEW

Please read this installation guide before installing the USB driver.

This installation guide describes how to install the USB driver for SMD device.

NOTE:

The descriptions in this guide are based on Windows 7.

System requirements

PC

- Microsoft® Windows® 10 (32/64 bit), Microsoft® Windows® 8 (32/64 bit), Microsoft® Windows® 7 (32/64 bit),
- A USB 1.1, 2.0 port

Cable

• A USB Cable



• Depending on the length of a 3rd party USB cable, the transceiver may not operate properly even if it is recognized by the PC. Use as short a cable as possible.

USB driver files

The latest version of the USB driver is copied at the same time that DriveStudio software is installed. The Driver files are located on the disk under: C:\SERAD\USB Windows Driver

Precautions

- The USB driver is not supported by the automatic recognition system.
- When installing the driver, log on as the windows administrator.
- Make sure no other applications are running

DRIVER INSTALLATION

• When a SMD device is connected to a Windows 7 PC or later for the very first time, Windows will report that it failed to find a USB driver. Follow the steps below to manually install the SMD USB driver using the Windows 7 or later Device Manager.

Step 1

- Install the SERAD Drive Studio software. The software is available on the SERAD website: <u>http://serad.fr</u>
- Switch on the SMD device (lower voltage 24Vdc part only).
- Connect the SMD device to PC with the USB cable.
- The Taskbar Notification Area will show this message during the driver searching.



The SMD device USB driver is not automatically recognize by system and this message will shown in taskbar notification area



Step 2

- Click the Windows « START » icon.
- Click [Control Panel] in the <Start> menu.
- Select <System and Security> and then open the [Device Manager]:



- If the SMD device is detected it will be listed under "Other devices".
- Right-click on the [SMD device] and select [Update Driver Software...] from the context pop-up menu:
- The Update Driver Software wizard will open.

Step 3



• Click **Browse my computer for driver software** to continue.

Brow	se for driver software on your computer
Search	for driver software in this location:
D:\	▼ Browse

- Click the [Browse...] button and select the directory contain the SMD installation files in : *C:\SERAD\SMD USB Driver*
- Check Include subfolders, then click [Next] to proceed.
- Windows will search the installation disk for the driver and when it has found it, the installation will proceed:

() I U	Ipdate Driver Software - DM84
Inst	alling driver software

• Click [Install this driver software anyway] to continue



	×
🕞 🧕 Mettre à jour le pilote - SMD USB serial port (COM5)	
 Mettre à jour le pilote - SMD USB serial port (COM5) Windows a mis à jour votre pilote. Windows a terminé l'installation du pilote de ce périphérique : SMD USB serial port 	
Ferme	:r

- At the end click **Close**.
- It is now possible to connect to the SMD device. The newly installed device will be listed under "SMD USB serial port (COM*)" in the Device manager:
- The COM port number is displayed instead of *.
- Depending on the PC environment, the COM port number may differ.

🚔 Gestionnaire de périphériques	_ 0 🔀
<u>Fichier</u> <u>Action</u> Affichage <u>?</u>	
	*
🚽 🗍 Generic USB Hub	
Périphérique de stockage de masse USB	
🚽 🖗 Périphérique USB composite	
Périphérique USB composite	
Contrôleurs de stockage	
🖌 🏺 Eltima Usb Stub	
Usb Stub (Eltima software)	
🚽 🖟 Usb Stub (Eltima software)	
Lecteurs de disque	
Ecteurs de DVD/CD-ROM	
Moniteurs	
⊳ n Sentimateur	
Périphérique d'acquisition d'images	
Périphériques biométriques	
Périphériques d'interface utilisateur	
Périphériques système	
Ports (COM et LPT)	E.
Port imprimante ECP (LPT1)	
SMD USB serial port (COM5)	
Processeurs	
🔉 🚯 Radios Bluetooth	
Souris et autres périphériques de pointage	
	▼

PREFERENCES

• After the PC and SMD are connected, you can control the SMD with the SERAD DriveStudio software.

COM Port setting

- After the driver installation has been completed, to change the COM Port number setting, connect the SMD to the PC and then turn it ON power.
- 1. Click the Windows « START » icon.
- 2. Right-click [Computer] in the <Start> menu, and then click [Properties].



3. Control Panel appear. Click [Device Manager].



4. Right-click « SMD USB serial port (COM*)» and then click « Properties » The COM port number is displayed instead of *.

🚔 Device Manager		
<u>File Action View H</u> elp		
🔶 🔶 💼 📄 🔛 🖬 🚳 😭 🌾	15	
▲ indows7-PC		
Away Mode Devices		
Image: A state of the state		
Disk drives		
Display adapters		
DVD/CD-ROM drives		
Human Interface Devices		
IDE ATA/ATAPI controllers		
IEEE 1394 Bus host controllers		
Keyboards		
Mice and other pointing devices		
Monitors		
Network adapters		
▲ D Other devices		
PCI Simple Communications C	ontroller	
PCMCIA adapters		
Ports (COM & LPT)		
Communications Port (COMI)		
CP Printer Port (LP11)		_
SND USB serial port (COND)	Update Driver Software	
Processors	Disable	
Sound, video and game control	Uninstall	
System devices		
Universal Serial Bus controllers	Sc <u>a</u> n for hardware changes	
Opens property sheet for the current select	P <u>r</u> operties	

5. Click the [Port Settings] tab, then click [Advanced...] button.

Silicon Labs CP210x USB to UART Bridge (COM11) Properties
General Port Settings Driver Details Power Management
Bits per second: 9600 ▼
<u>P</u> arity: None ▼
Stop bits: 1
<u>A</u> dvanced <u>R</u> estore Defaults
OK Cancel

6. Select the desired COM port number, then click [OK].

							OK
Select lov	ver settings to	correct cor	nection problem	IS.			Canc
Select hig	her settings f	or faster per	formance.				
<u>R</u> eceive Buffer	:: Low (1)	1	i.	4	 High (14)	(14)	<u>D</u> erau
<u>T</u> ransmit Buffer	:: Low (1)	-	÷.	9	 High (16)	(16)	

7. Click [OK] to close the screen.

General	Port Settings	Driver	Details	Power Manag	ement
		<u>B</u> its pe	er second:	9600	•
			Data bits:	8	•
			Parity:	None	•
			Stop bits:	[1	•
		Elo	w control:	None	•]
			Ad	vanced	Restore Defaults