## Windows 10 Driver install for LocoBuffer-USB

If you need to download the drivers, then go to the 'Manuals' tab on the RR-CirKits web site. If you already have a CD with Windows 8 or Windows 10 drivers, then you may skip ahead to Page 3.

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Mozilla Thunderbird	FOB-A	Fan Out Board - 8 line with resistors	fob-a-manual.pdf	N/A	N/A			
	FOB-B	Fan Out Board - 4 head signal demultiplex	fob-b-manual.pdf	N/A	N/A			
Maxilla	FOB-C	Fan Out Board - 16 line	fob-c-manual.pdf	N/A	N/A			
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	RB-4	SPDT relay - 4 Relays	RB-4-manual.pdf	N/A	N/A			
	SCSD-8	Single Coil Solenoid Driver - 8 Channel	SCSD-8-manual.pdf	N/A	N/A			
	SDB-4	Searchlight Driver Board - 4 channel Bipolar	sdb-4-manual.pdf	N/A	N/A			_ •
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Locate the LocoBuffer-USB drivers file and download is as shown above.



Leave the default name as drivers.zip

To extract (unzip) the files select the file and then right click to open a selection box. Choose 'Extract All..' and click on it.



## Unzip the files into the same folder.





Right click on the Window button to bring up the selection list.

Programs and Features Power Options Click on
Event Viewer Device
Manager
Device Manager
Network Connections
Disk Management
Computer Management
Command Prompt
Command Prompt (Admin)
Task Manager
Control Panel
File Explorer
Search
Run
Shut down or sign out
Desktop

Once the list opens select 'Device Manager' and click on it.

📇 Device Manager  $\times$ File Action View Help 🖛 🔿 | 📅 | 🔢 📷 | 🛃 ~ Bluetooth Computer 🕳 Disk drives > > I Display adapters DVD/CD-ROM drives Hoppy drive controllers > With the LocoBuffer-USB > 🕼 Human Interface Devices > 🕞 IDE ATA/ATAPI controllers connected it should appear > 📖 Keyboards under 'Other devices'. > 
Mice and other pointing devices > 🧾 Modems Double click on it. > 📃 Monitors > 📃 Network adapters > 👳 Network Infrastructure Devices 🗸 🌆 Other devices 🖌 http://www.combuffer-USB > 🔟 Portable Devices > 📇 Print queues > 📇 Printers > Processors > Software devices > 🐗 Sound, video and game controllers Controllers System devices Universal Serial Rus controllers

Once the properties windows appears go to the 'Driver' tab and click on 'Update Driver...'



Windows 10 Driver Install

_	Search automatically for undated driver software	
	Windows will search your computer and the Internet for the latest driver software for your device, unless you've disabled this feature in your device installation settings.	
4	Browse my computer for driver software	
X.		

If you have a recent CD (Windows 8 or Windows 10) then you may install from it. If not, then install from the folder you created above. Once you have selected the folder or CD click 'Next'. (Windows will locate the correct files on the CD or in the folder depending on your specific computer)

🖶 Hardware and So	ound
Pevice Manager         File       Action         View       Help         Image: Pell-S3         >       Dell-S3         >       Dell-S3         >       Dell-S3         >       Dell-S3         >       Dis         Search for driver software on your computer         >       Dis         Search for driver software in this location:          Dis         >       Dis         Search for driver software in this location:          Dis         >       Browse	
<ul> <li>Key</li> <li>Include subfolders</li> <li>Mo</li> <li>Select the drivers folder you extracted</li> <li>Mo</li> <li>Net</li> <li>Net</li> <li>Net</li> <li>Let me pick from a list of device drivers on my computer This list will show installed driver software compatible with the device, and all driver software in the same category as the device.</li> </ul>	✓ This PC       > Desktop       > Documents       ✓ Downloads       ✓ Downloads       ✓ Pictures       ✓ Pictures       ✓ Cancel
Sou Next Sto Sto System devices Inivercal Serial Rus controllers	Cancel

There are actually two drivers that need to be installed. The first is the USB interface driver itself. The second is called a VCP (Virtual Com Port) driver. It is what creates the 'COM' port used by your train control software.



Note: Windows actually has NOT successfully updated your driver software at this point. It just assumes that it has. It has NOT finished installing the driver software for the LocoBuffer-USB.

Click on 'Close' to finish the first part of the driver install and start the second one.

Did I mention that we are not actually done yet?

Note that the LocoBuffer-USB entry has temporarily changed its name to 'USB Serial Port'.

🚔 Device Manager	
File Action View Help	
> 🛄 Modems	^
> Monitors	
> 🛄 Network adapters	
Network Infrastructure Devices	
✓ In USB Seriel Deet	The device name has temperarily
Dotable Devic Update Driver Software	The device name has temporarily
Print queues Disable	changed to 'USB Serial Port'.
> Printers	Right click to do the second
> Processors	
Software devic Scan for hardware changes	Update Driver Software'
Sound, video a	
> & Storage contro	]
> 💻 System devices	
<ul> <li>Universal Serial Bus controllers</li> </ul>	
Generic USB Hub	
Intel(R) ICH9 Family USB Universal Host Controller - 29	34
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Intel(R) ICH9 Family USB2 Enhanced Host Controller -	293A
Intel(R) ICH9 Family USB2 Enhanced Host Controller -	293C
LocoBuffer-USB	
LISB Mass Storage Device	×
Launches the Update Driver Software Wizard for the selected device.	

Now install the VCP driver by clicking on the manual install again.



Windows 10 Driver Install

Windows will remember where you are getting the driver files.

1		$\times$
÷	Update Driver Software - USB Serial Port	
	Browse for driver software on your computer	
	Search for driver software in this location:	
	C:\Users\Dick\Downloads\drivers Browse	
	☐ Include subfolders	
	Windows remembers the driver location. Just click 'Next'.	
	→ Let me pick from a list of device drivers on my computer This list will show installed driver software compatible with the device, and all driver software in the same category as the device.	
	Next Canc	el

This is now installing the VCP driver.

	×	
🔶 🔟 Update Driver Software - USB Serial Port		
Installing driver software		
Almost done now!		

Once the install is complete click on 'Close' to finish.



Finally our drivers are both installed and the LocoBuffer-USB has been assigned a new COM port number and may now be accessed by your RR control software. Be sure to configure your software to use this assigned number. (your COM number may likely be different than shown in this example)

