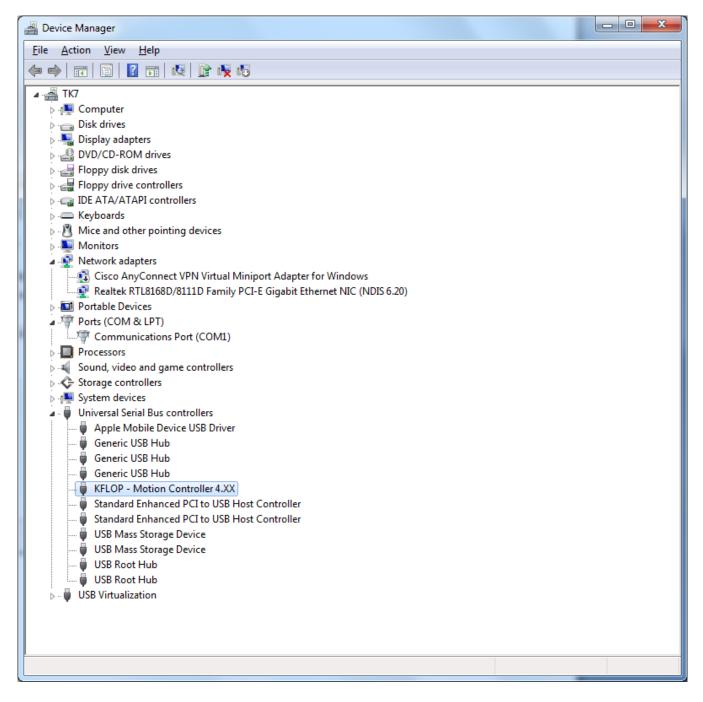
Virtual COM Port Driver Installation

The Virtual COM Port Driver allows applications to send Script Commands to KFLOP as if it were connected as a Serial COM Port. This method is an alternate to using our much more powerful KMotion Libraries. Dynomotion's Software Applications and examples do not need to have this driver installed. It is only useful if you have some legacy Application that cannot make use of the KMotion Dynamic Linked Libraries, cannot be modified, but can communicate to a COM Port.

First install KFLOP normally using our USB Drivers. When successful there should be a KFLOP entry in Device manager as shown below:



Now select "**Properties**" – "**Advanced**" – "Load VCP" (Virtual Com Port). Press OK.

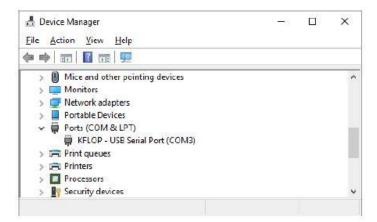
(See below if the Advanced Tab is not present)

KFLOP - Motion Controller 4.XX Properties	x
General Advanced Driver Details	
KFLOP - Motion Controller 4.XX	
Configuration	n II
Use these settings to override normal device behaviour.	
Load VCP	
OK Cancel H	elp

Note: if the Advanced Tab is not present, install the Dynomotion Com Port Driver by navigating to the USB Driver Directory, right-click on Dynoport.inf, click **Install**, and **Allow** the driver to load.

File Home Share View			^
In to Quick Copy Paste Copy Paste Shortco Bocess	Move Copy to Toganize	Properties	Select all Select none Invert selection Select
$\leftarrow \rightarrow \cdot \cdot \uparrow \square$ > This PC > Window	rs (C:) > KMotion434c > USB Driver	~	👌 🛛 Search US 🔎
Quick access Desitop Downloads Documents Dictures Dictures Dictures Codence Diropbox Codence Creative Cloud Fil Dropbox OneDrive Ditems Litem selected 13.3 K8	A Date modified 10/23/2016 4.4 10/23/2016 4.4 10/23/2016 4.4 10/23/2016 4.4 10/23/2016 4.4 4/25/2016 8.22 of 4/25/2016 8.22 of 4/25/2016 8.22 of 4/25/2016 8.22 of 0pen install - Print - CRC SHA - CRC SHA - CRC SHA - Convert to Adobe PDF and EMail - Sean - Shred - Open with - TotoiseSVN - WinMerge - Send to -	Type DPM File folder DPM File folder PM Security Catalog PM Security Catalog PM Security Catalog	14 KB 13 KB 13 KB 14 KB 40 KB 27 KB 2 KB 2 KB 844 KB
	Cut Copy Create shortcut Delete		
	Rename		

Cycling Power on KFLOP should then install the COM Port Driver completely without requiring the other steps listed below. Device Manager should now show:



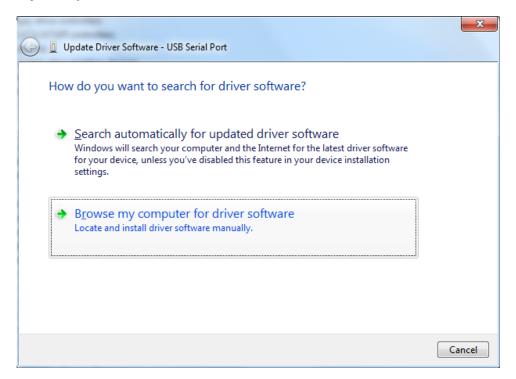
Note: if you receive an error: "The INF file you selected does not support this method of installation", you might try this alternate method using Device Manager. Delete/Rename the Dynobus.inf file so Device Manager cannot choose it.

The INF File You selected does not support this method of installation - Windows 7 Help Forums

Then unplug/re-plug KFLOP. There should now be a USB Serial Port – but missing the driver.

On USB Serial Port right click "Update Driver".

Select "Browse my computer".



Then "Let me pick"

3	Update Driver Software - USB Serial Port	×
	Browse for driver software on your computer	
	Search for driver software in this location:	
	C:\FTDI	
 Include subfolders 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. 		
	<u>N</u> ext C	ancel

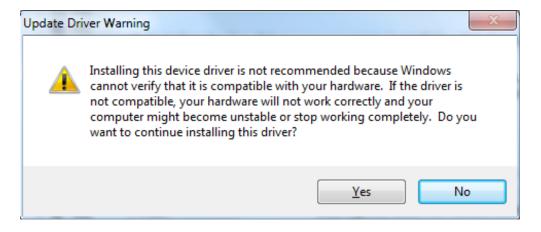
Select Device type as "Ports".

	x
G 🗓 Update Driver Software - USB Serial Port	
Select your device's type from the list b	elow.
Common <u>h</u> ardware types:	
network Client	~
- Network Protocol	
Network Service	
Non-Plug and Play Drivers	
PCMCIA adapters	
Portable Devices	
Ports (COM & LPT)	
💼 Printers	=
Processors	
SBP2 IEEE 1394 Devices	
SD host adapters	
💯 Security Devices	-
(mm) _	
	<u>N</u> ext Cancel

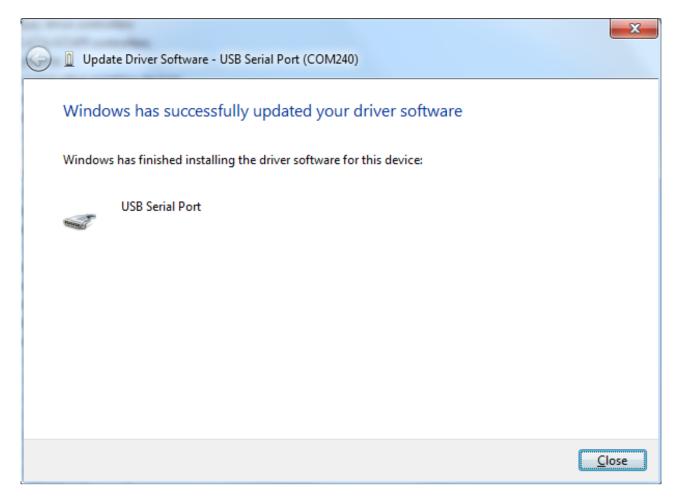
FTDI drivers should be pre-installed with Windows. Select FTDI and then latest USB Serial Port Version. Manufacturer FTDI – USB Serial Port 2.8.2.0 (or other?)

0	Update Driver Software - USB Serial	I Port
	Select the manufacturer and	vant to install for this hardware. model of your hardware device and then click Next. If you have a you want to install, click Have Disk.
	Manufacturer FTDI Hewlett Packard Microsoft Quatech n = -1II This driver is digitally signed. <u>Tell me why driver signing is imp</u>	Model Image: Second Port Version: 2.4.16.0 [2/17/2009] Image: USB Second Port Version: 2.6.0.0 [10/22/2009] Image: USB Second Port Version: 2.8.14.0 [3/18/2011] Image: USB Second Port Version: 2.8.2.0 [7/12/2010] Image: USB Second Port Version: 2.8.2.0 [7/12/2010]
		Next Cancel

We have a different manufacturer ID, so you get this warning - choose "Yes".



Installation should have been successful.



It should now work, but if you need to change the COM port number, do the following: Right click "**Properties**" – "**Port Settings**".

Device Manager	
ile <u>A</u> ction <u>V</u> iew <u>H</u> elp	
• 🔿 🖬 📴 🔽 📷 👰 🕼 🦗 🏍	
- 🚔 TK7	
⊳ nter Computer	
Disk drives	
Display adapters	
DVD/CD-ROM drives	
Floppy disk drives	
Floppy drive controllers	
De ATA/ATAPI controllers	
> - Keyboards	
Mice and other pointing devices	
Monitors	
Network adapters	
Cisco AnyConnect VPN Virtual Miniport Adapter for Windows	
Realtek RTL8168D/8111D Family PCI-E Gigabit Ethernet NIC (NDIS 6.20)	
Portable Devices	
Ports (COM & LPT)	
Communications Port (COM1)	
USB Serial Port (COM240)	
Processors	
Sound, video and game controllers	
Storage controllers	
System devices Universal Serial Bus controllers	
Apple Mobile Device USB Driver	
Generic USB Hub	
Generic USB Hub	
Generic USB Hub	
KFLOP - Motion Controller 4.XX	
Standard Enhanced PCI to USB Host Controller	
Standard Enhanced PCI to USB Host Controller	
USB Mass Storage Device	
USB Mass Storage Device	
USB Root Hub	
USB Root Hub	
USB Virtualization	

Select "Advanced".

USB Serial Port (COM240) Properties		
General Port Settings Driver Details	_	
<u>B</u> its per second: 9600 ▼		
Data bits: 8		
<u>P</u> arity: None ▼		
<u>S</u> top bits: 1 ▼		
Flow control: None		
<u>A</u> dvanced <u>R</u> estore Defaults		
OK Cancel		

Change to other COM port if necessary (COM2).

Advanced Settings for COM240		? ×
COM Port Number: COM2 USB Transfer Sizes Select lower settings to correct performance problems at low Select higher settings for faster performance. Receive (Bytes): 4096 -	• baud rates.	OK Cancel Defaults
Transmit (Bytes): 4096 -		
BM Options Select lower settings to correct response problems.	Miscellaneous Options Serial Enumerator	
Latency Timer (msec):	Serial Printer Cancel If Power Off	
Timeouts	Event On Surprise Removal	
Minimum Read Timeout (msec): 0 -	Set RTS On Close Disable Modem Ctrl At Startup	

Device Manager			
<u>File Action View H</u> elp			
⊿ - 📇 TK7			
⊳			
Disk drives			
🖟 📲 Display adapters			
DVD/CD-ROM drives			
Floppy disk drives			
Floppy drive controllers			
DE ATA/ATAPI controllers			
⊳ — Keyboards			
Mice and other pointing devices			
Monitors			
Network adapters Cisco AnyConnect VPN Virtual Miniport Adapter for Windows			
Realtek RTL8168D/8111D Family PCI-E Gigabit Ethernet NIC (NDIS 6.20)			
Portable Devices			
Ports (COM & LPT)			
Communications Port (COM1)			
USB Serial Port (COM2)			
Processors			
Sound, video and game controllers			
Storage controllers			
⊳ · /聖 System devices			
Universal Serial Bus controllers			
Generic USB Hub			
🖶 Generic USB Hub			
KFLOP - Motion Controller 4.XX			
Standard Enhanced PCI to USB Host Controller			
Standard Enhanced PCI to USB Host Controller			
USB Mass Storage Device			
USB Mass Storage Device			
🖣 USB Root Hub			
📖 🏺 USB Root Hub			
🔈 🖷 USB Virtualization			

To test download and install a serial com program like Tera Term from:

http://ttssh2.sourceforge.jp

Run it and select "Serial" and the Com port you defined.

Tera Term: New c	onnection	X
© ТСР <u>/</u> !Р	Hos <u>t</u> : myhost.example. Hist <u>o</u> ry Service: Telnet SSH SS Other	com ▼ TCP port#: 23 H yersion: SSH2 ▼ Protocol: UNSPEC ▼
Serial Port: COM2: USB Serial Port (COM2) ▼ OK Cancel Help		

Type "Version" and KFLOP should respond.

