CBL-USB-COM-1 Speed Improvements

This document shows how to drastically improve the speed of CBL-USB-COM-1 when downloading to BiPOM microcontroller boards.

Start Windows Device Manager:

Control Panel ▼ Al Control P	Panel Items 🔻		 Search Control Panel 	
Adjust your computer's settings			View by: Small icons 🔻	
陀 Action Center	💮 Administrative Tools	🐧 Akamai NetSession Interface Control P	🖓 Autodesk Plotter Manager	
👪 AutoPlay	🐌 Backup and Restore	Click-to-Run Application Manager	🔀 Color Management	
Tredential Manager	📸 Date and Time	🛷 Default Programs	🚭 Desktop Gadgets	
Jevice Manager	and Devices and Printers	a Display	🚱 Ease of Access Center	
Flash Player (32-bit)	🞉 Folder Options	🗼 Fonts	Getting Started	
🔧 HomeGroup	Cloud	lndexing Options	🎨 Internet Options	
🍰 Java	🧠 Keyboard	Location and Other Sensors	🔕 Mail (32-bit)	
Mouse	💐 Network and Sharing Center	Real Constitution Area Icons	🎄 Parental Controls	
Performance Information and Tools	Sersonalization	A Phone and Modem	Power Options	
Programs and Features	🙋 QuickTime (32-bit)	🐼 Realtek HD Audio Manager	尾 Recovery	
🔗 Region and Language	it RemoteApp and Desktop Connections	Sound	B Speech Recognition	
🖲 Sync Center	ika System	📃 Taskbar and Start Menu	Troubleshooting	
& User Accounts	💐 Windows Anytime Upgrade	Windows CardSpace	iiii Windows Defender	
📽 Windows Firewal	Windows Live Language Setting	Windows Update		

Expand Ports (COM & LPT):

🛃 Device Manager	
<u>File Action View Help</u>	
E- 🐳 istanbul	
🗄 🖳 Computer	
🗄 👝 Disk drives	
🕀 📲 Display adapters	
🗄 🔮 DVD/CD-ROM drives	
🗄 🦣 Human Interface Devices	
🕀 🖙 IDE ATA/ATAPI controllers	
🗄 🔚 Imaging devices	
🗄 📲 Jungo	
🗄 📟 Keyboards	
🗄 🛷 Mice and other pointing devices	
🗄 🖳 Monitors	
🗄 🔮 Network adapters	
🗄 💐 Portable Devices	
🔁 🚏 Ports (COM & LPT)	
USB Serial Port (COM1) Right click	
E Processors	
🗄 🍈 Sound, video and game controllers	
🗄 🖳 🌉 System devices	
표 🚽 Universal Serial Bus controllers	
🗄 – 📮 USB Virtualization	
	,

Select Properties from the right-click menu:

🛃 Device Manager	
File Action View Help	
	t <mark>≹</mark> t5
 istanbul Computer Disk drives Display adapters DVD/CD-ROM drives Human Interface Devices IDE ATA/ATAPI controllers Imaging devices Jungo Keyboards Mice and other pointing devices Network adapters Portable Devices 	s levices
⊡ Output Sound, video and game	Disable Uninstall
⊕	
🗄 🖷 🖣 USB Virtualization 🛛	Scan for hardware changes
	Properties
Loundhas the Undate Driver Coffware	Wizard for the selected device
Launches the Update Driver Software	vvizaru for the selected device.

USB	Serial Port (COM1) Properties				X
Ger	nera 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		•	
	<u>F</u> low control:	None		•	
	(Advanced	<u>R</u> est	tore Defaults	
		ОК		Cancel	

Select Port Settings tab and click the Advanced button:

Change Latency timer setting from 16 to 2 milliseconds:

dvanced Settings for COM1	? ×	
COM <u>P</u> ort Number: COM1	_	ОК
USB Transfer Sizes Select lower settings to correct performance problems at lo Select higher settings for faster performance.	ow baud rates.	Cancel Defaults
Receive (Bytes): 4096 Transmit (Bytes): 4096		
BM Options Select lower settings to correct response problems.	Miscellaneous Options Serial Enumerator	V
Latency Timer (msec):	Serial Printer Cancel If Power Off	
Minimum Read Timeout (msec): 0	Event On Surprise Removal Set RTS On Close Disable Modem Ctrl At Startup	

If you are prompted to restart your computer, you may do so for changes to take effect. Please make sure that you have saved your data in open programs before restarting your computer.