Intech

IN1057

Using USB Download Cables

Follow these instructions when using USB download cables with Intech data loggers.

ATTENTION!

Do NOT connect a USB Download cable to the computer before Omni7 and the FTDI USB Drivers are installed!

The **Omni7 Data Management Software** has direct USB support for the HR, LCD and MC series of Intech data loggers.

Intech Instruments Ltd has three types of USB Download cable available for use with Intech data loggers:

- ⇒ The **DLC3USB** is for the **HR series** of loggers (3 pin communication socket)
- ⇒ The DLC8USB is for the LCD series of loggers (8 pin mini DIN communication socket)
- \Rightarrow The **DLC5USB** is for the **GP-MC** logger (9pin D communication socket)



- ⇒ An Administrator account or password will be required for installation. Contact your IT support for this if needed.
- \Rightarrow User Account Control (UAC) *may* need to be disabled for Omni7 to operate correctly.
- ⇒ Omni7 requires manual connection and disconnection to a data logger using the Green 'Connect' and Red 'Disconnect' buttons. It will not connect to a data logger automatically.

If you are having issues connecting to your data logger, please try these steps:

- ⇒ The logger battery may be flat and require replacement. Typical logger battery life is 1 to 5 years, depending on usage.
- \Rightarrow Check that the USB download cable is securely attached to both the logger and computer.
- ⇒ Download and install the latest FTDI USB Windows driver: <u>http://www.ftdichip.com/Drivers/VCP.htm</u> Note: **Always restart your computer** after installing new drivers.

Check if the USB driver is loading the VCP port:

Disabling the VCP port can sometimes help with connecting over USB.

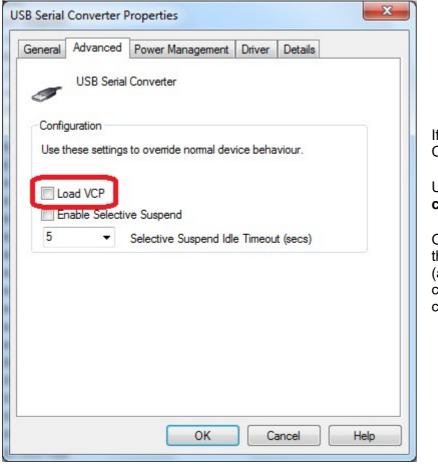
• Open Device Manager (Right click on Computer and click 'Manage', then click on 'Device Manager').

Getting Started	
Snipping Tool	Test
Connect to a Projector	Documents
	Pictures
Calculator	Music
Sticky Notes	Computer Open
aint Paint	Control Par 🚱 Manage
XPS Viewer	Devices and Disconnect network drive
Windows Fax and Scan	Default Pro
Remote Desktop Connection	Help and S Properties
All Programs	
	Shut down
Search programs and files	
Search programs and files	Shut down 🕨

• Locate the USB Serial Converter.

File Action View Help			
Computer Management (Local	> - Keyboards	*	Actions
System Tools	Mice and other pointing devices		Device Manager
Task Scheduler	Monitors		More Actions
Event Viewer	• • • Network adapters		WORE ACTIONS
Shared Folders	D - D Other devices		
Local Users and Groups	Portable Devices		
Performance	Ports (COM & LPT)		
Device Manager	Communications Port (COM1)		
Storage Disk Management	USB Serial Port (COMB)		
Services and Applications	Processors Security Devices		
B Services and Applications	b - Sound, video and game controllers		
	build, video and game controllers		
	Universal Serial Bus controllers		
	Intel(R) ICH10 Family USB Enhanced Host Controller - 3A6A		
	Intel(R) ICH10 Family USB Enhanced Host Controller - 3A6C		
	Intel(R) ICH10 Family USB Universal Host Controller - 3A64		
	Intel(R) ICH10 Family USB Universal Host Controller - 3A65		
	Intel(R) ICH10 Family USB Universal Host Controller - 3A66		
	Intel(R) ICH10 Family USB Universal Host Controller - 3A67	=	
	Intel(R) ICH10 Family USB Universal Host Controller - 3A68		
	Intel(R) ICH10 Family USB Universal Host Controller - 3A69		
	USB Composite Device		
	USB Mass Storage Device		
	🖶 USB Root Hub		
	💭 USB Root Hub		
	USB Root Hub		
	🟺 USB Root Hub		
	USB Root Hub		
	USB Root Hub		
	HISP Past Hub		

• Right click on 'USB Serial Converter' then click 'Properties'. Click on the 'Advanced' tab.



If the 'Load VCP' is ticked, a Virtual Com Port is being loaded.

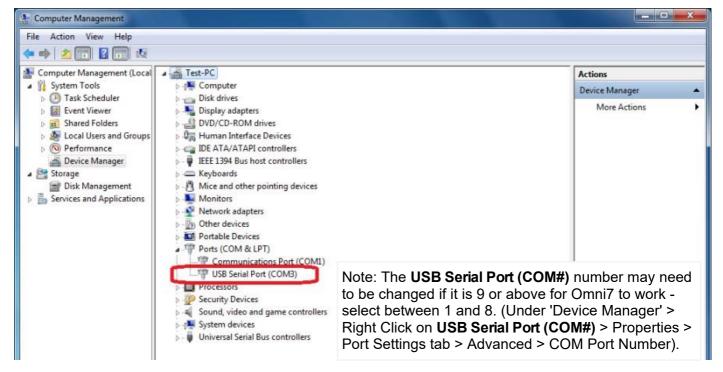
Untick the box, then **restart your computer**.

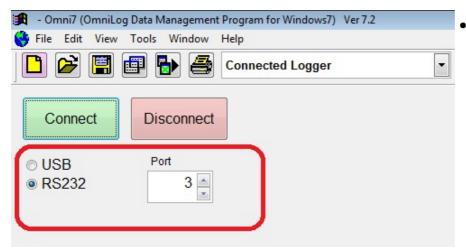
Open Omni7 and try to connect using the USB connection. (an Intech Data Logger must be connected via a USB download cable attached to the computer.)

Set Omni7 to use the VCP RS232 Port instead of USB:

If disabling the VCP does not work, then some other USB device may be interfering with the USB driver. Using the VCP RS232 Port instead of USB in Omni7 may work.

- Make sure the 'Load VCP' is enabled (see the previous steps). Restart the computer.
- Check which COM Port number the USB Serial Port (COM#) is set to in Device Manager.





Open Omni7 and select RS232, then set the Port number to match. Click the green 'Connect' button.



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