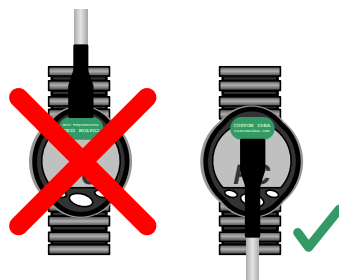


Overview: After making the first dive computer download cable (HR-USBDive1), another of my diving colleagues who owns the fantastic value Archimedes dive computer asked me to look into making a USB download cable for his model. This resulted in the HR-USBDive2 which is a USB download cable suitable for the Cressi Sub Archimedes, Tusa IQ700 and Dive Rite Nitek Duo dive computers. Once installed on your computer, the USB cable appears as a Virtual Com Port (VCP) which then allows you to use the manufacturers dive managing software as usual.



Software installation: Before you use the USB cable for the first time you must install the driver on your computer. The driver makes the computer think that the USB device is a simple COM port, which is required in order to use the dive software. The driver and the installation guide can be downloaded from our website www.customidea.com under the 'Device drivers' and 'Installation guides' sections. The guide offers either a brief version which will be fine for most people who have installed drivers and new hardware before, or a long version which is a real step by step guide for those who are not so experienced with computers.

Checking the COM port number: Once you have installed the dive cable, you must determine which COM port number the cable has been assigned to. Go to device manager (control panel->system->hardware) and look under 'Ports (COM & LPT)' for 'Custom Idea' (or it may be called 'CP2101') and make a note of the assigned number (e.g. COM5). This is explained in detail in step 4 of the driver installation guide. The dive manager software can be downloaded from the relevant manufactures website. Some dive manager software only supports certain COM ports and as such if you have just discovered that the cable has been assigned to a COM port outside the supported range then this will need to manually changed. Check the guide on our website in the 'Installation Guides' section for manually changing the COM port assignment.



Using the cable: Don't forget to put the dive computer into PC transfer mode first! We are able to sell this cable at such a competitive price because instead of designing and manufacturing an expensive mechanism to hold it in place, we opted instead to utilise the most flexible clamp around – your hand! With no moving parts, this cable also benefits from being very robust, and the downside is just that you must hold the connector in place for a short while as your dives download. To connect the cable, simply press the two large connector pads into the pins, with the clip in the orientation shown. Because the pins on the dive computer do not stick out very far you need to press the connector pads very firmly onto the pins to ensure a good connection. Keep it held here and use your software to download the dives. Only release the cable once all the dives have been downloaded – some dive software can get a bit confused if the communication gets lost in-between, and you may find if this happens it is best to restart the software.

Contact: If you have any problems or questions about this device, or are kind enough to give feedback, comments or suggestions then please do not hesitate to email: support@customidea.com.