DIGITAL RACING SOLUTIONS
Installation Instructions
Race-Link USB Interface Version 2 for D124/D132

Race-Link is designed to work with any race management software ("RMS") that can be configured for use with Carrera Digital (D124/D132).

Installing the Race-Link Driver for Win7/Vista/XP

1. Download the "Race-Link v2.zip" file from http://www.digitalracingsolutions.com/files/Race-Link-v2.zip
2. Extract contents of file in convenient location
3. Plug Race-Link v2 into PC
4. Windows will search for driver and fail, this is OK

    Depending on which version of Windows, the next step will vary.

5. If prompted to insert driver disk, browse to your convenient location.

    OR

    If asked whether to search or browse for driver, browse to the convenient location.

    OR

    If Windows simply closes the new hardware wizard, open Device Manager and look for unassigned hardware, then choose install/update driver.

6. Windows may warn you that the driver is not certified. Ignore this warning.

7. Even though you think you're done, go into Device Manager and update the driver again, pointing to 1st part of driver will install. Click on the newly item in Device Manager, now listed as "USB Serial Port". Tell Windows to update this device, and browse to the same location as before. Ignore the "driver is not certified" warning, again.

8. When the installation is complete, "Race-Link v2" should appear under "Ports" in Device Manager.

Installing the Race-Link Driver for Win8/8.1

By default, Windows 8/8.1 is configured to block the installation of unsigned drivers. This means there are some extra steps involved in getting this working properly. It looks scary because there are many steps, but they are easy.

If you haven't done it already, go to the Digital Racing Solutions website and download the installation package for Race-Link v2. You'll find it on the Support page. Extract the zip file and make a note of where you extracted it. Now roll up your sleeves and do each of the following steps.

1. Leave the Race-Link v2 unplugged for now.
2. From the Win8/8.1 Start screen (or any that has the icon) click on the magnifying glass and type the search terms "Advanced Startup". Click on the search result → Advanced Startup Settings.
3. Choose RESTART, you'll see "Please Wait" appear briefly.
4. Choose TROUBLESHOOT.
5. Choose ADVANCED OPTIONS.
6. Choose STARTUP OPTIONS.
7. Choose RESTART. Screen goes black for a few seconds, then shows a menu of Startup Options
8. Press number 7 or the F7 key, disabling driver signature enforcement. Computer will restart.
9. Click on magnifying glass and search for "Device Manager". Click on result with same name.
10. Plug Race-Link v2 into your computer. You should see something new appear in the Device Manager device list. If Windows begins searching the internet for a driver, choose CANCEL because it can look for a long time. Windows might ask you what to do, in which case skip the next step.
11. Double click on the new entry in the device list (probably shown as unrecognized USB device) and choose UPDATE DRIVER.
12. Choose BROWSE.
13. Tell Windows where you extracted the zip file and click Next.
14. Windows will warn you the driver is unsigned, choose Install Unsigned Driver.
    Windows thinks for a moment, then reports that hardware is not working. In Device Manager, hardware should now appear as "USB Serial Port".
15. Double click on the USB Serial Port entry and choose UPDATE DRIVER.
16. Choose BROWSE (starting to sound familiar?)
17. Windows should already know where to find it, but if not, show it where the zip file was extracted and click Next.
18. See/ignore the unsigned driver warning and choose Install Unsigned Driver. Windows thinks for moment and then reports that new hardware is installed properly. Device Manager should have Race-Link v2 shown under PORTS (COM & LPT).
19. Celebrate. You do not need to do anything to unwind the startup option changes made during this process. They remain in effect only until you restart the computer.

Connecting Race-Link to Your Track

1. Turn off your Control Unit or Black Box before connecting Race-Link to the track.

   a. If you have a Control Unit (#30352), connect Race-Link to the "PC-UNIT" jack on the front of the Control Unit. If you have a #30355 Lap Counter connected to the Control Unit, please disconnect it first. The Control Unit can't be used with the Lap Counter and with your computer/RMS at the same time.

   b. The situation is completely different if you have the older Black Box. Do not connect Race-Link directly to the Black Box. To use any PC based RMS with an older Black Box, you must have a #30342 Lap Counter. Race-Link gets plugged into the #30342 Lap Counter.

2. Turn on the Control Unit or Black Box, then launch your RMS program. For many programs, it is important that the interface be connected and the Control Unit or Black Box be on before the program is launched. Unplugging the interface or turning off the base may require that you close and restart the program to re-establish communication.

Depending on what RMS you choose, you may need to know what COM port number was assigned to the Race-Link. This can information can be viewed in Window's Device Manager. HSSRMS detects the port number automatically. PC Lap Counter works only with COM ports 1 through 16, meaning that if Windows has assigned Race-Link to a higher number, you'll need to manually reassign it into the accepted range. If your program is unable to detect the base unit, check your connections. HSSRMS, X-LAP, and PC Lap Counter (demo) can all be downloaded from the web. Trying more than one RMS can be useful for troubleshooting purposes.