

INTERPHASE SOFTWARE UPGRADE INSTRUCTIONS

PRODUCT: iSCAN SERIES COLOR SONARS WITH EXISTING SOFTWARE VERSIONS > 1.18
(Color Twinscope, iScan V90 and iScan 180)

Note: This is a 2-part procedure. Steps 1-13 describe the download process for the USB drivers. Steps 14-19 describe the software download process.

COMPUTER OPERATING SYSTEM: WINDOWS XP HOME EDITION and VISTA

1. Download new software to your PC. We suggest you create a folder in your “MY DOCUMENTS” folder titled ‘INTERPHASE’ and download or copy the downloaded file to this folder.
2. Unzip (Extract) the zipped software download file to the same INTERPHASE directory that you created. You should then see three folders, plus the original downloaded zip file, similar to the display shown below in Figure 1. (Note: the examples in this procedure show software upgrade for Color Twinscope. The procedure is the same for iScan V90 and iScan 180 except for software names).

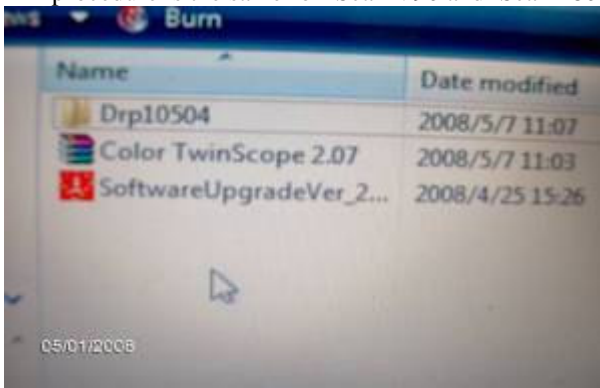


FIGURE 1

IMPORTANT: It is strongly suggested that you temporarily disconnect your PC from the internet during the following steps to prevent Windows from searching the internet for incorrect USB drivers. The correct USB drivers are in the ‘DRP10504’ folder

3. Connect your “turned off” **Color Sonar** to your PC using the USB upgrade cable (Part# 04-1057-000).
4. Engage the Software Upgrade Function in the **Color Sonar** by pressing the **PWR** button while simultaneously holding down the **DOWN** side of the **UP/DOWN** button as shown below in Figure 2.

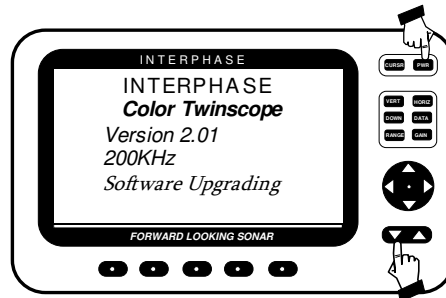


FIGURE 2

5. After the **Color Sonar** turns on it should show the “**SOFTWARE UPGRADING**” screen display which includes its current software version. Make sure the version is 1.18 or above. If it is a lower version number (for example 1.17) you should contact your dealer, or Interphase customer support using our toll free number 1-888-77-SONAR and select extension 16.

6. Once the **Color Sonar** turns on, a pop-up message will typically appear at the bottom right of your computer screen as shown below in Figure 3.

NOTE: *If you have previously upgraded your Interphase unit on the same PC, the required USB drivers may already be installed. In this case, your PC will not show the Found New Hardware menu and you can proceed to step 14.*



Figure 3

7. Double click on the “Found New Hardware – D2XX Recovery PID for XP” pop-up menu to go to the Hardware wizard as shown below in Figure 4.
8. Click on the button labeled “Install from a list or specific location (Advanced)” and then click on the Next button. The screen shown below in Figure 5 should appear. Select the option “Include this location in the search”.



Figure 4

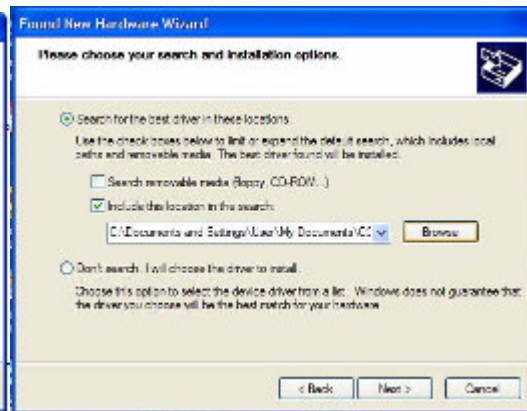


Figure 5

9. Click the Browse button and find and select the ‘DRP1054’ folder which you downloaded into the INTERPHASE folder as shown below in Figure 6.

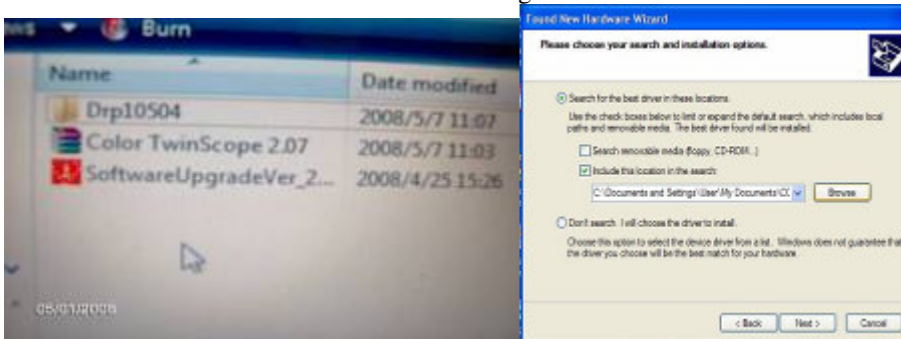


Figure 6

- 10 Click the OK button and then Click the Next button on the Found New Hardware Wizard. The computer will may give you the following warning (Figure 7).

Click “CONTINUE ANYWAY” to proceed.

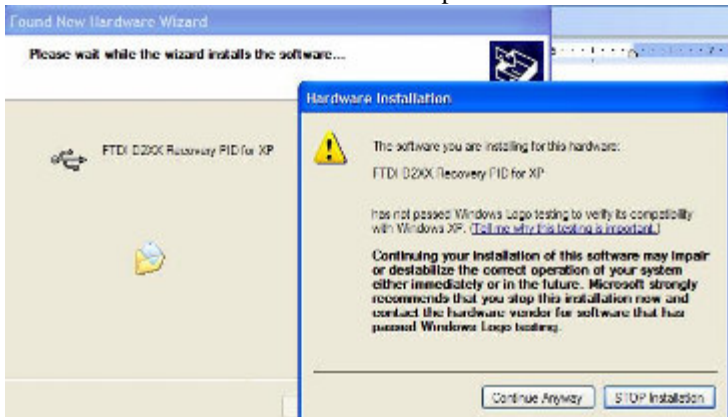


Figure 7

11. The computer then will once again ask you for the location of the driver files as shown in Figure 8 below. Click Browse and then locate and open the DRP1054 folder as in step 9, Figure5-6.

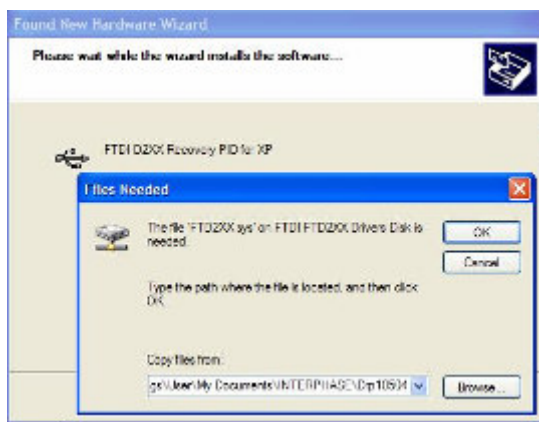


Figure 8

12. Select the FTD2XX driver file as shown in Figure 9 and press the OPEN button. Then press the OK button on the FILES NEEDED menu (Figure 8). This will start the installation of the USB drivers.

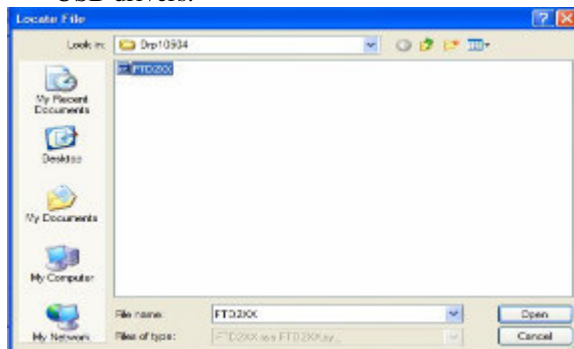


Figure 9

13. After the successful installation, the windows shown below in Fig 10 will appear. Press the FINISH button to complete the driver installation.



Figure 10

Note: You can check to make sure the drivers was installed correctly, by going to the Device Manager under CONTROL PANEL->SYSTEM->HARDWARE->DEVICE MANAGER->UNIVERSAL SERIAL BUS CONTROLLERS and you should see the FTDI D2XX PID FOR XP' entry as shown below in figure 11. (This driver will only appear when the Color Sonar is connected to the PC and turned on in the Software Upgrade mode.)

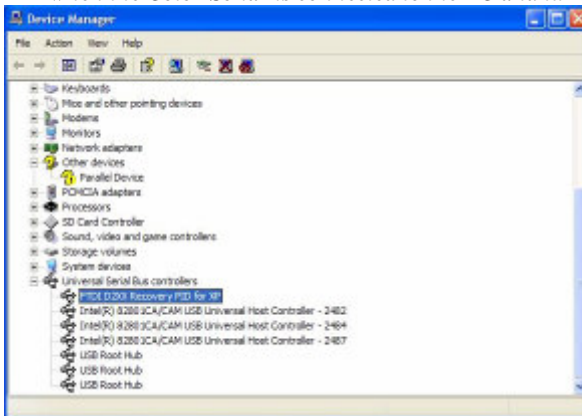


Figure 11

14. Installation of new **Color Sonar** software. Locate the downloaded folder 'Color Twin- 2.07 Software'. Open the folder and double click on the Red icon titled 'Color TwinScope' (or iScan V90 / iScan 180 as appropriate). See Figure 12 below.



Figure 12

- Click the red icon of the Application file or make a short cut icon to the desktop
Then double click the red icon go to the download interface, then click the start to run the download process.

The window shown in Figure 13 below should open.



Figure 13

- After finishing downloading the software the display will show:

“Your device software upgrading has been completed successfully “

Then Click OK . (Figure 14) Click the X to closed the Download interface window (Figure 15)

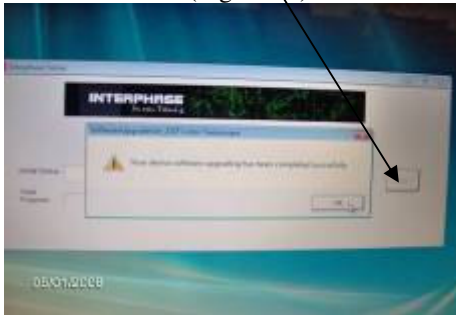


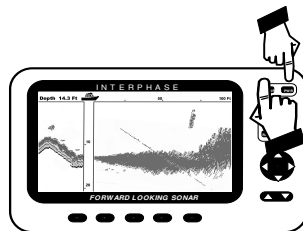
Figure 14




Figure 15

- The **Color Sonar** should now display the new software revision in the **‘Upgrade Software’** display

- Turn off the **Color Sonar** and disconnect the USB upgrade cable. Then do a **“RESET TURN-ON** by simultaneously pressing the **PWR** and **CURSR** keys. See Figure 16 below.



19. Software Version Recheck

Press the F1 key go to set-up menu then Press the F5 key (shown the set-up menu  of the right side of the display.) go to Software check page The newer version software will be displayed on the page of the units.

