For Tritech SCU (Surface Control Unit), refer to 1 -> 5
For PC used as Control Unit, refer to 1 -> 5
For PC used to replay log data files, refer to 1 -> 4 & 6

1. Three files should have been downloaded and saved to your PC's hard disk. Run these files one at a time and unzip each a separate floppy diskette
   Disk1.exe ----RUN & UNZIP TO----> Diskette labelled 'SeaKing Installation (Disk 1 of 1)'
   Disk2.exe ----RUN & UNZIP TO----> Diskette labelled 'VBDLLs Installation (Disk 1 of 2)'
   Disk3.exe ----RUN & UNZIP TO----> Diskette labelled 'VBDLLs Installation (Disk 2 of 2)'

2. Insert 'SeaKing Installation (Disk 1 of 1)' into floppy drive. First run the UNINSTAL.BAT file to remove previously installed copies.*

3. Then, run the V3SOFT.EXE file and choose default settings when prompted. Enter company details during the registration dialog and also select SeaKing colours when prompted at the end of this. (For V1.50 software, also run the V4AIF.BAT file after V3SOFT.EXE).

4. Insert 'VBDLLs Installation (Disk 1 of 2)' and run the V3DLLS.EXE file. Insert Disk 2 when prompted to complete the installation.

5. Software Installation is complete and a 'SONV3' program group will have been created. This contains 2 icons; 'V3SETUP' and 'SONV3'.
   'V3SETUP' is the utility that should be run to check device connection and program status. Node 255 should always appear in this list and this is the Communications card installed inside the Surface Control Unit. When connected to the communications card, other devices that will be detected are Imaging Sonar (Node 2), Profiling Sonars (Nodes 20 and 21 = Dual Head Pair), Bathy (Node 40) and Sidescan Sonar (Node 10).#
   'SONV3' is the main control and display software and should never be run at the same time as 'V3SETUP'. Go to 'Main' - 'Appsetup' to change the screen application (i.e. 'S' = Imaging Sonar, 'SBP' = Imaging Sonar, Profiler and Bathy).

6. Running SeaKing Software and Replaying from Log Data Files:
   The log data files have the extension ".mdb".
   When SeaKing software installation is complete, run the Windows "SONV3" Program Icon that is created during the SeaKing software installation (this would appear as a program group item in WIN 3.11 or in the WIN'95 Start menu).
   Log data files (*.mdb) can be replayed using the "LOG" - "REPLAY" function in SONV3. During replay, click on 'Cn' if a continuous replay loop is desired. The slider bar on the right of the Log Replay panel is used for adjusting log playback speed.
   OA Sonar, Profiler and Bathy log data can be replayed using an 'SBP' (Sonar, Bathy, Profiler) application. The display application is selected using the "MENU" - "APPSETUP" function in SONV3. Alternatively, an 'S' (Sonar Only), 'B' (Bathy Only) or 'P' (Profiler Only) application can be selected for replay of these devices' data only. For Sidescan Sonar replay, select the 'SSS' application.^

Tritech

* It is advised to first note down any SeaKing software settings that you will want to re-apply after the upgrade is installed and running. These may include Serial Communications settings and sensor settings such as Sonar/Profiler Gains, Tools menu settings and Profiler/Bathy Mounting offsets.

\# Each device that appears in the 'V3SETUP' list will need to be re-programmed after a software upgrade has been performed. Program updates are downloaded to the device using the 'V3SETUP' utility program. If a device needs re-programming, it's 'Program' column will read 'Needs Update'. To re-program, Click on the row of the device (to highlight it) and press the 'Program' button. Wait until 'Prog Done OK' Status appears and after a further 10 seconds, press 'Rebuild'. If device has been successfully re-programmed, the 'Program' column will read 'Up to Date'. For Imaging Sonars and Profilers: Whilst the row of the device is still highlighted, click on the 'Program User Data' button and accept the warning message. Ensure that the 'Dual Axis' check-box is blank; a) if blank exit without re-programming b) if checked, un-check, exit and re-program when prompted.

^ Log Replay Tips:

i) Toggle the Max/Min button on the bottom right corner of the main display screen. This will toggle a maximised screen window for the sensor data display.

ii) The Imaging Sonar has a Zoom function button that can be operated when the screen is not maximised.

iii) During replay of sonar data, some data may have been recorded in a 'restricted' 180 degree forward looking sector. Click on the 5 red cursor buttons to switch to desired sector viewing during playback.