3. Firmware Upgrading

3.1. Preparation to upgrade firmware

- Download the latest software release package.
- Extract the files from ZIP archive (Do not rename the filename).
- Start the CD Burning Software and create a new CD project (data disc) with the following settings:
  - File System: Joliet
  - Format: MODE 1
  - Recording Mode: SINGLE SESSION (TRACK-AT-ONCE), FINALIZE CD

Note: Long file name is necessary for the preparation of the upgrade disc.
- Place the extracted file into the root directory of the new CD project.
- Burn the data onto the CDRs or CD-RWs.

Notes: Burn **ALL** the extracted files onto a single blank CD-R or CD-RW disc for firmware upgrade

3.2. Procedures to apply the System Software Upgrade and Loader Software Upgrade

There are 2 upgrade processes supported:
- Normal Upgrade (Software Downgrade is NOT possible) and
- Forced Download (Software Downgrade is possible).

3.2.1. Normal Upgrade (All existing settings will remain the same after software upgrade)

- For normal upgrading, power up the set, open the tray, insert the upgrade disc, close the tray and follow the on screen instructions.
- VFD will show " *VERIFY -> ERASE -> UPGRADE* ".
- After upgrading the set, the Disc will be ejected.
- Remove the disc and close the tray.
- Then the set will go to standby.
- Waking up again from standby, the set will reboot from upgraded flash.

3.2.2. Forced Upgrade (All the settings will be reset to default /58 version)

Notes: After Forced Upgrade, the procedures described in 1.4 must be proceeded to restore the stroke version.

- Press and Hold **Rec** key on front Panel.
- Power ON the set
- VFD will show "*FRC DWLD*"
- Open the tray and insert the upgrade disc.
- Close the tray and the sets will start upgrading:-VFD will show " *VERIFY -> ERASE -> UPGRADE* "
- After upgrading the set, the Disc will be ejected.
- Remove the disc and close the tray.
- Then the set will go to standby.
- Waking up again from standby, the set will reboot from upgraded flash.

Notes:
Do not press any buttons or interrupt the mains supply during the upgrading process, otherwise the set may become defective.
Disc tray remains open for 5 minutes and closes after time out without user action.
Or, if the tray is closed by the user, then the set goes to standby and boots from upgraded flash.
Time out of 5 mins or user action, whichever is earlier, causes the set to go to standby.

3.3. How to read out the firmware version to confirm set has been upgraded

- Press "HOME" button on remote control and navigate to Settings -> Setup -> Version Info.
- Press the blue button on remote control for OSD to display the Detail Version Info:
- Figure 1 shows the version info displayed by DVDR5500 EU running 49.0a backend software and drive firmware is 51.05.02.17.

```
Product Number:
5500 EU
Software Version:
49.0a
URL:
www.philips.com
Loader Version:
FE: 51.05.02.17
```

Figure 1 : Firmware Information shown by DVDR5500