

dCS Paganini Upsampler v1.20 Software Update

The Software Update feature allows you to load new software into your *dCS Paganini Upsampler*.

- You can request the update file from your national distributor, unzip it and stream it via the USB interface from a computer set to give bit-perfect 16-bit output.

– or –

- You can play a *Paganini Upsampler* update CD on any STANDARD CD player or transport. Note that some non-Red-Book CD transports change the digital data and cannot be used to download new software.



When a later update is issued, follow the instructions provided with the disc or file.

If the selected input is NOT receiving 44.1kS/s data, Software Updating is not possible and the Update icon will be greyed out. The front panel is disabled during an update.



If you start an update unintentionally or when the system is not correctly set up, switch off the unit at the back panel switch, wait 10 seconds, then switch on again.

Please read these instructions through fully at least once before attempting the update.

Update Procedure

- Mute your power amplifier or turn it off.
- Disconnect any 1394 cables from the Upsampler.
- Make sure the Transport's PCM outputs are turned ON (if it has that feature).
- From a Computer:** Make sure the *dCS Paganini Upsampler* update file is unzipped (the file size should be around 350MB). Connect the computer's USB interface to the Upsampler's USB interface and use the **Input** button to select it. Set the **Upsampler Settings > Sync Source** menu page to **Master**. Open the streaming program, play a short section of the file, then pause the playback and scroll back to the start of the file. The Upsampler should lock, and display the input as **00/44.1**. Set the output to **44.1** using the **Output** button.
- From a Transport or Player:** Load the *dCS Paganini Upsampler* Update CD into the Transport, making sure it is in **STOP** mode. The disc must **not** be playing. Connect the Transport's AES or RCA output to the matching input of the Upsampler and use the **Input** button to select that input. Set the **Upsampler Settings > Sync Source** menu page to **Audio**. The Upsampler should lock, and display the input as **00/44.1**. Set the output to **44.1** using the **Output** button.
- Open the Upsampler's **Information** menu and select the **CD Update** page to start the update.
- X Sure?** ✓ will appear on the display – press the **Menu** button to continue.

The Upsampler will display **Please wait** briefly, then **Please Start CD**.

- Press **PLAY** on the Transport. Do not wait too long, otherwise the update will abort.

The update is mainly automatic from this point. The display sequence is shown below, with approximate times.

00:00 **Scanning – OK** are displayed in sequence.

If there is anything wrong with the *dCS* Update disc or the file, or it does not match the product or the Transport is unsuitable, the unit will display **Wrong Disc** and revert to normal operation. Don't worry – the internal software is unchanged. If the disc is of the correct type, see "**Problems?**" on page 2.

00:30	Ver 1.20	
01:15	1/32	The first block of data is read from the disc.
02:15	2/32	The second block of data is read ...
...		
32:15	32/32	The last block of data is read.
33:10	Please wait	DO NOT SWITCH OFF The unit reboots.
33:15	Paganini Upsampler	DO NOT SWITCH OFF
36:00	00/44.1>24/44.1	The main update is complete.

1394 update

- Switch off completely, wait 10 seconds, then switch on again. This re-boots the 1394 interface.
- Set the Upsampler's **Output** to **DSD** and wait for 2 minutes.
- If a 1394 update is needed, the display will change to **1394 Update, Updating...** and a progress bar. Wait for about 20 minutes for the upload to complete, **DO NOT SWITCH OFF**.
- The display will change back to **00/44.1>DSD**. Press the **Menu** button 3 times to see the software versions: **Control Version 1.20** and **1394/USB Version 4.05**.

Your *Paganini Upsampler* is now ready for use.

Problems?

- If the display does not change for more than 5 minutes or there is a power failure, switch off the unit at the rear panel switch, wait 10 seconds, then switch on and start the update again.
- If the disc skips or you accidentally advance the Transport, the unit will display **Skipped!** Switch off the unit at the rear panel switch, wait 10 seconds, then switch on and start the update again.
- If the **Non Seq** message appears on the display, the most likely cause is that the Update disc is faulty. There is no cause to worry as the original software is backed up inside the unit.
- Check the disc for dirt or damage. If the disc appears to be dirty, wipe it gently from the centre outwards with a dry soft cloth. If it is damaged, contact your local dCS distributor or dCS for a replacement. If it appears to be OK, run the **CD Update** routine again to load the new software.



If your *Paganini Upsampler* starts up correctly but has a problem of some kind, do not repeatedly CD Update as this **cannot** solve the problem.

Routinely CD Updating with the same software is pointless and inadvisable.

What's new in v1.20?

Updating from v1.10, the new software adds the following features:

- Single AES & RCA inputs will accept 176.4 & 192kS/s plus DSD in DoP format.
- 5 extra conversions added for the 3 extra input rates, plus DSD>DSD pass-through.
- Single AES & RCA outputs can carry 176.4 & 192kS/s plus DSD in DoP format.
- Dual AES output can carry DSD in DoP format.
- Word Clock Input will lock to 176.4 and 192kHz.

If You Need More Help

In the first instance please contact the *dCS* distributor for your country. Contact details may be found on the *dCS* web site - www.dcsLtd.co.uk. Please provide the serial number of your unit, the software version currently installed and the version of software on the Update CD you are trying to install.

For more information about this update, please download the latest version **User Manual** from www.dcsLtd.co.uk. Printed copies of the manual may be purchased from *dCS*.