Pearl 2008 Upgrade Procedure

The 2008 software enables the use of USB drives for storing fixture personalities and shows. It also adds a licensing system to prevent copyright infringements.
The installation/upgrade happens in 3 parts. First the underlying AVOS operating system must be upgraded and a licence key entered, then the application software must be upgraded, and finally all the fixture personalities will need to be copied onto the internal USB drive.
Copying the fixtures takes a long time, so the upgrade should not be attempted if time is tight.

Before You Start

Download the new software from our downloads website found at
http://www.avolitesdownload.com/Downloads/Pearl2008.stm and run the .exe file on a PC that has a floppy drive. When prompted, extract the files to the floppy disk. Insert the floppy disc (now containing the AVOS code and the Pearl2008 software) into the console, making sure you have saved your show! (It will be convenient later if you also copy the file prlavos.dat, now on your floppy disk, to your USB memory stick.)

Make a note of the serial number of the desk which is on a sticker on the rear of the console - It will be of the form 'PRL nnnnnn' where the 'n's are digits.

> Serial Num: _ _ _ _ _ _ *(use leading zero's where necessary)*

You will also need to have all the fixture personalities on your USB Memory Stick which can be obtained by downloading an installer for the Pearl2008 personalities from
http://www.avolitesdownload.com/PersonalityLibrary/Default.asp

Upgrading AVOS

Turn the Key to 'System'
Press softkey 'A – Service'
Press softkey 'A – Run AVOS'
Enter the password, '68340' and press <ENTER>

This brings up the AVOS menu
Press softkey 'E – AVOS Extender'
Press <ENTER> to load the program from the floppy disc into RAM
This may take up to 30s before the console starts to read from disk

The screen now displays some information regarding the new licensing scheme.
Press <ENTER>

You now must enter the serial number. The desk asks for a 6 digit number, whereas the serial number may only have 4. If so, leave the first two digits at 0. Thus if the desk's serial number is PRL5601 you would enter '005601', and press <ENTER>.
The desk will ask for the serial number again. This is to prevent mistakes in entry. Type the serial number again and press <ENTER>.
The serial number will be checked as part of the licensing process and it is imperative that this is entered correctly and matches the number on the rear of the console, as licenses will not be issued for incorrect serial numbers.

The screen will now display a large number that is the **console ID**. When Avolites receive this number they will be able to issue you with a **licence number** which can be entered into the space. Softkey A allows you to save the console ID to a memory stick as a file named something like *P005607i.txt* which can then be submitted to Avolites via our website. (Pressing keys 2 and 3 allows you to toggle the active USB stick and refresh the connected USB sticks respectively) Pressing <EXIT> at this point will take you back to the system menu from which you can restart the desk without any changes having been made to the software.

Enter the licence number, either by typing in the number (including .'s) or using softkey B to load it from USB if this has been emailed to you by Avolites. Once the license key has been entered Press <Enter>. Press <Enter> again to continue and the burn process of the new AVOS software will start. When prompted, press <EXIT> to Restart the software.

Upgrading the Application Software

With the new AVOS installed you can now install the Pearl 2008 application. To continue, you must either have the floppy disk or your USB stick *(if you copied the AVOS as suggested above)*, containing the new AVOS inserted in the console.

Turn the key to 'System'
Press softkey 'A – Service'
Press softkey 'A – Run AVOS'
Again, type the password, '68340', then press <ENTER>

Now press 'B – Burn a new program'
Press <ENTER> to confirm
This may take up to 30s before the console starts to read from disk. Once started, the burn process may take up to 2 mins.

Once finished, pressing any key will return you to the AVOS menu.

Now press '1 – Wipe All and Start System' and <Enter> to confirm.
The desk should return to the System menu.

You can press 'B – System Information' to check that the USB Memory Board is working. There should be a date below the 'USB Memory Board:' line, and it should display how many memory sticks are plugged in. Remember that there is one inside the desk.

Installing the Fixture Personalities

You will need to copy the Pearl 2008 personalities onto a USB Stick, and insert it into the socket on the front of the desk. If you are short of time and cannot copy everything onto the internal USB drive it is possible to patch straight from the external USB stick.

Turn the key to System and then:

Press softkey 'E – USB Stick Options'
Press softkey 'E – Sync Fixtures'

The desk will ask which USB drive is to be updated. The Drive called AVOCACHE is the internal drive, so select that one. The desk will now copy all the files onto the internal cache. This takes approximately 45 minutes if you are installing the fixtures for the first time. Once the fixtures are on the internal USB drive, the 'Sync Fixtures' function will either add or update personalities where necessary. When it has finished the display will show 'Sync Failed!' However it was probably successful, so try patching something before you panic… This will be fixed before the final release.

Troubleshooting

If the desk freezes while accessing the memory stick then it could be that there is no room left on the drive. Try turning the desk off then back on, then delete some shows from the drive. If there are large files on the drive from other applications then you will need to use a computer to remove them before the Pearl can access the drive. If the desk won't start up and the 4 digit display on the motherboard displays 'HPIS' then there has been a problem accessing the USB memory stick. Try unplugging any USB drives and restarting the desk.

Some USB Drives have built in encryption software to protect their contents. This software usually works only on Windows, and can prevent the Pearl from accessing the drive. Usually the software will allow you to disable it, so that the drive can be used like a normal USB Drive.