

# Sublisplash®

## Printing with Sublisplash inks on the SG500/SG1000



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# Subsplash®

## Printing with Subsplash inks on the Sawgrass SG500/SG1000

### IMPORTANT

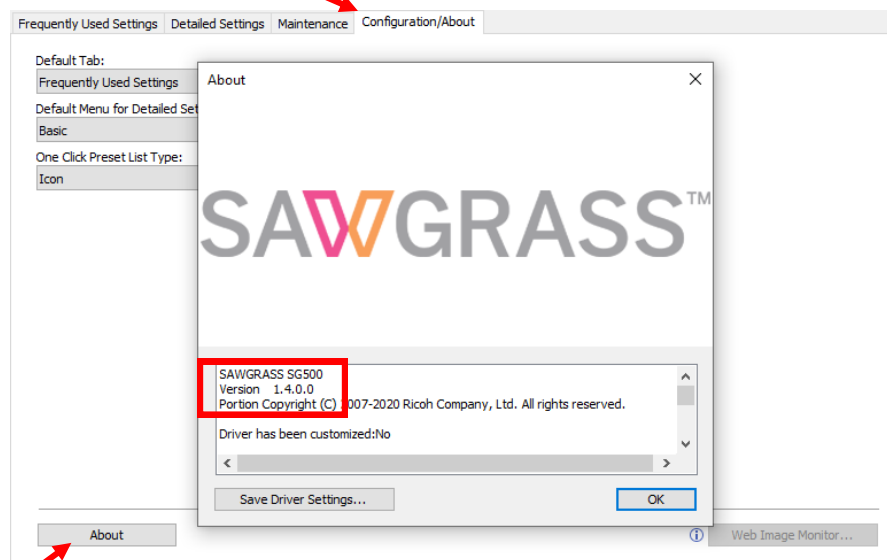


If you already have the Sawgrass Print Manager and Sawgrass inks installed, go to your **Devices and Printers** and make sure you 'Right Click' on the **SAWGRASS SG500** (or **SG1000**) printer driver and set it as the 'Default Printer', and **NOT** the Sawgrass Print Manager. Once you have successfully printed a nozzle check from the **SAWGRASS SG500** driver and **NOT** the Sawgrass Print Manager you can proceed with replacing the inks with Subsplash via the Ink Flush function. This can be performed via the front panel of the printer (pages 3-4) or via the two alternative methods shown on pages 5 - 9.

**Do not use Print Manager to print from !. We advise that you uninstall Print Manager to prevent accidental updates being performed. NEVER perform an update to the firmware.**

**Only use the Subsplash Monitor or the Subsplash ICC profile for colour correction.**

1. Go to your Devices and Printers and right click on the SAWGRASS SG500 Printer and choose 'Printing Preferences'.
2. Click on the 'Configuration/About' Tab



3. Click on the 'About' button.
4. Make a note of the Printer Driver version.
5. Click on 'OK' and 'OK' again to close the printer driver.

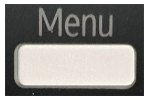
You now need to make a note of the Firmware Version on the printer front panel.

**This is for information purposes only at this stage but may be useful in any future troubleshooting.**

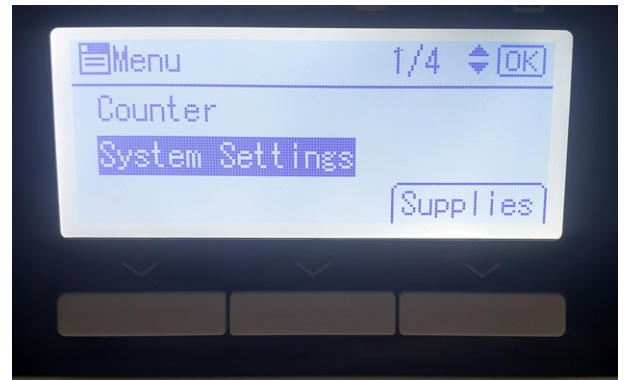
Proceed to Page 2 .....

# Sublisplash®

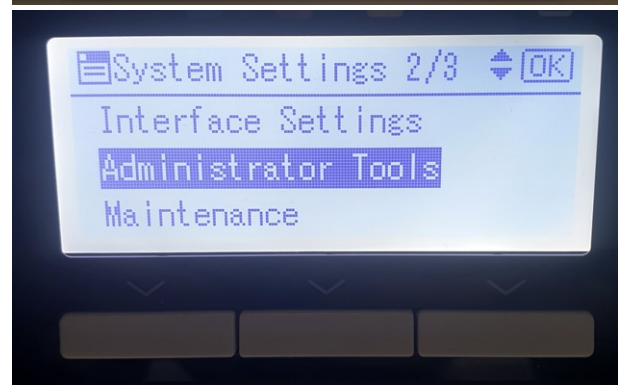
## Checking the Firmware version of an SG500/SG1000



1. Press the 'Menu' button
2. Press the 'DOWN' arrow to highlight 'System Settings'
3. Press 'OK'



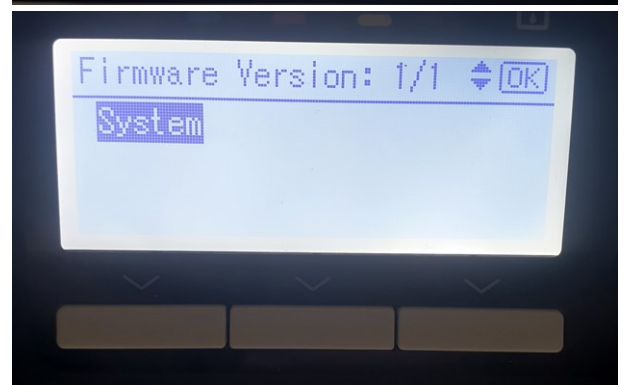
4. Press the 'DOWN' arrow until you see page 2/3 with 'Administrator Tools' highlighted.
5. Press 'OK'



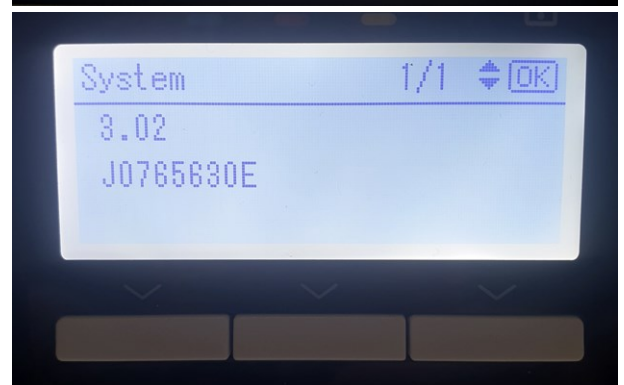
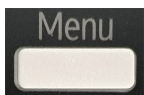
6. Highlight 'Firmware Version'.
7. Press 'OK'



8. 'System' will be highlighted.
9. Press 'OK'



10. Make a note of the Firmware information.
11. Either press the 'Menu' button to return to the 'Ready' state or the printer will automatically return after 1 minute.



# Sublisplash®

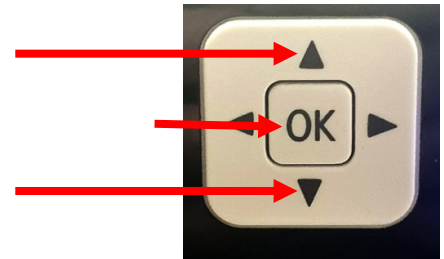
## Flushing procedure using the initial fill function for replacing current inks with Sublisplash inks for an SG500 / SG1000.

Make sure you have at least at least half space left in your maintenance tank before proceeding.

This procedure will use around 25% of the ink so full cartridges are recommended to be used.

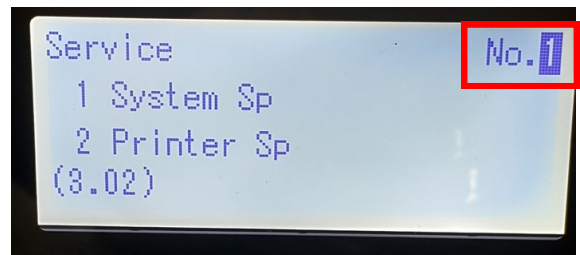


1. To enter into the SP (Service) mode, press the UP and DOWN arrows at the same time and hold them for 7 seconds. release them and immediately press the OK button

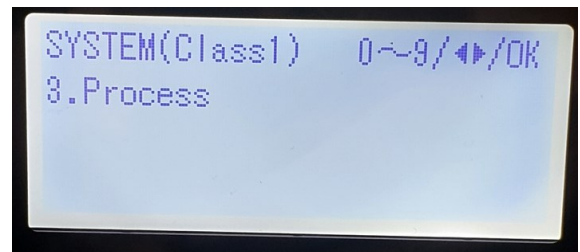


2. This brings up the 'Service' screen (if it fails to appear try doing No.1 again).

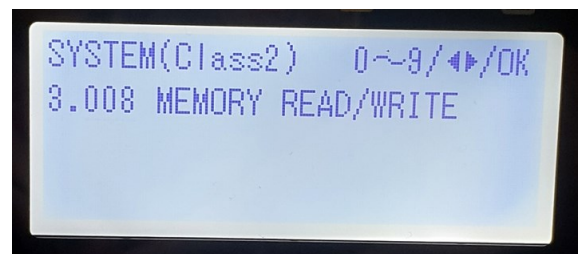
Using the LEFT, RIGHT arrows make sure it is set to No.1. Press OK.



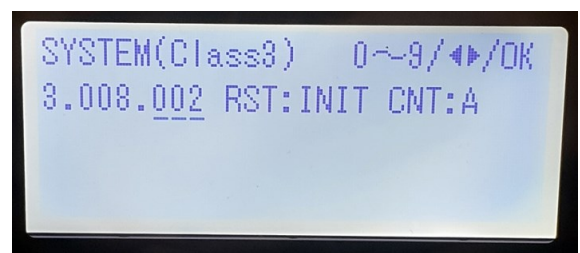
3. Using the LEFT, RIGHT arrows select No.3 **Process** and press OK.



4. Using the LEFT, RIGHT arrows select No.008 **MEMORY READ/WRITE** and press OK.



5. Using the LEFT, RIGHT arrows select No.002 **RST : INIT CNT : A** and press OK.

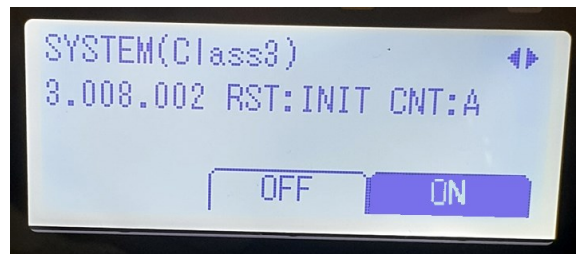
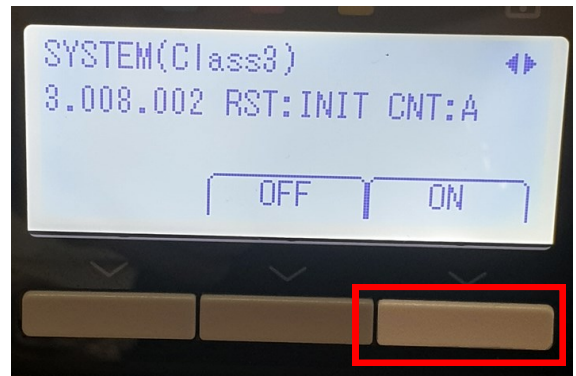


Continued on Page 4.....

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## Flushing procedure using the initial fill function for replacing current inks with Sublisplash inks for an SG500 / SG1000.

6. Select ON from the selection button so ON is highlighted.

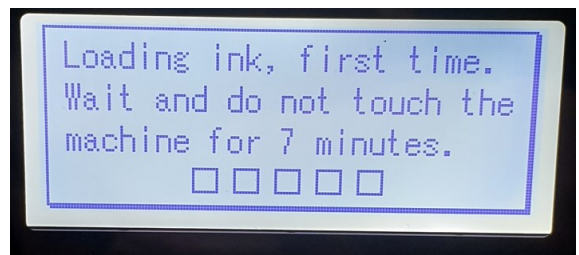


7. Power the printer down.



8. Make sure you have put a full set of cartridges in the printer and Power back on.

The printer will show this screen and perform an initial fill charge.



**The printer is now ready to print with the new Sublisplash inks.**

**You can go to Page 10 to set up your printer driver.**

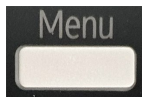
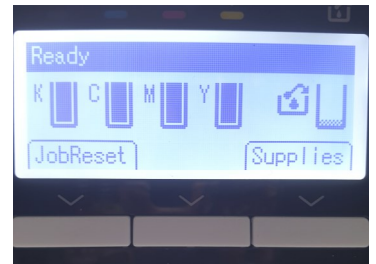
# Sublisplash®

## 1st Alternative Flushing procedure for replacing current inks with Sublisplash inks for an SG500 / SG1000 from the front panel of the printer.

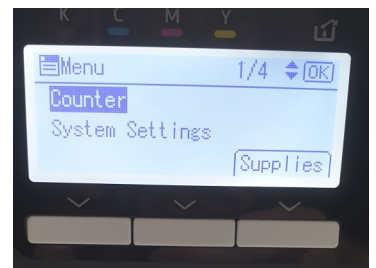
Make sure you have at least at least half space left in your maintenance tank before proceeding.  
If you are having difficulty with the previous method you can use this alternative method of flushing.



1. Insert a new set of Sublisplash cartridges into the printer and wait until you see this screen.



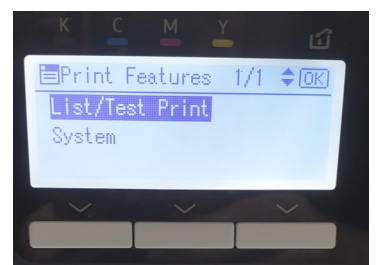
2. Press the 'Menu' button



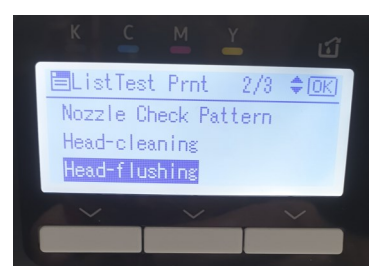
3. Press the 'DOWN' arrow until you see page 2/4 with 'Printer Features' highlighted. Press 'OK'



4. Highlight 'List/Test Print'. Press 'OK'



5. Press the 'DOWN' arrow until you see page 2/3. Press the 'DOWN' arrow until 'Head-flushing' is highlighted. Press 'OK'



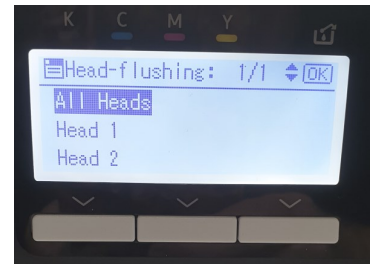
# Sublisplash®

## 1st Alternative Flushing procedure for replacing current inks with Sublisplash inks for an SG500 / SG1000 from the front panel of the printer.

Make sure you have at least at least half space left in your maintenance tank before proceeding.

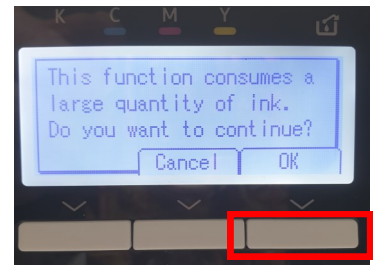


6. Make sure that 'All Heads' is highlighted and press 'OK'

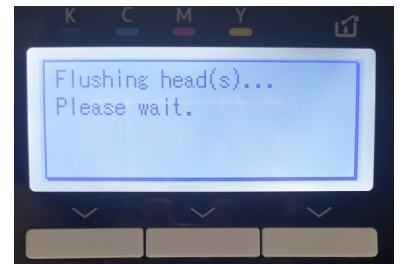


7. You will receive a warning on screen about ink consumption.

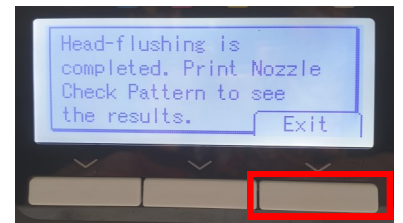
Press the button beneath the 'OK' prompt.



The Flushing procedure will take around 5 minutes

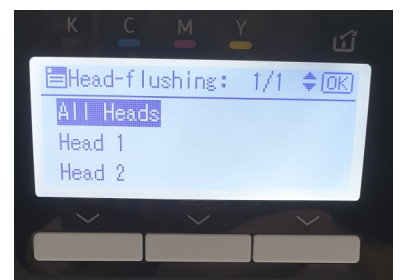


8. When the first ink flushing is complete press the button beneath the 'Exit' prompt.



9. This will bring you back to the 'All Heads' flushing screen.

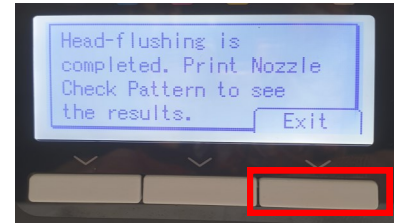
Press the 'OK' button again and follow instructions **6 to 9** until you have performed **4 x** complete head flushes.



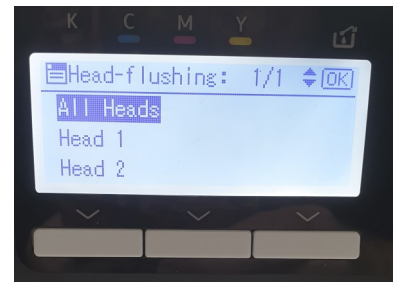
# Sublisplash®

## 1st Alternative Flushing procedure for replacing current inks with Sublisplash inks for an SG500 / SG1000 from the front panel of the printer.

10. When all 4 ink flushings are complete press the button beneath the 'Exit' prompt.



11. Once back to this screen proceed with step 12.



12. Press the 'BACK' button then the 'UP' arrow to highlight 'Nozzle Check Pattern'

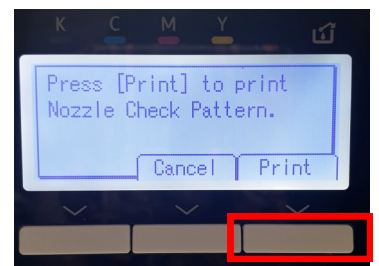
Press 'OK'



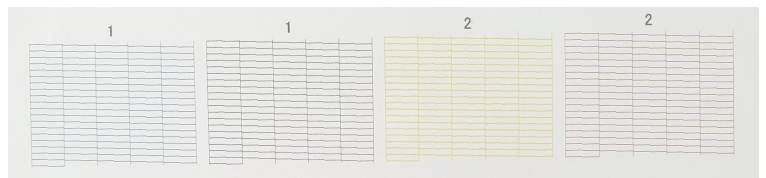
11. You will see the print Nozzle Check Pattern request.

Make sure you have paper in the tray.

Press the button beneath the 'Print' prompt.

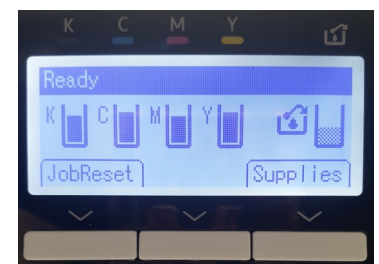


You should see a nozzle check pattern like this.



12. Press the 'BACK' button 3 x times until you see the 'READY' screen.

The ink levels will show the effects of the ink flushing and be 20% to 25% lower.



**The printer is now ready to print with the new Sublisplash inks.**

**You can go to Page 10 to set up your printer driver.**

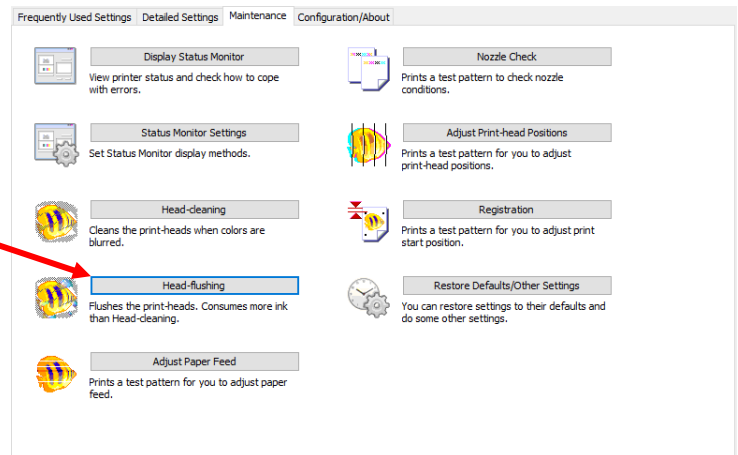


# Sublisplash®

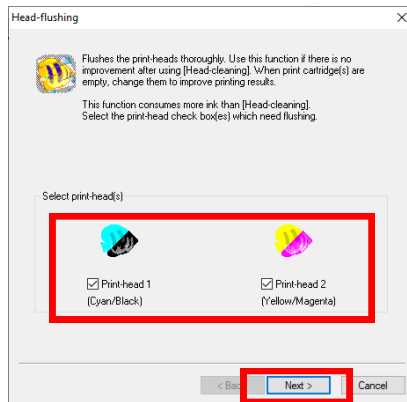
## 2nd Alternative Flushing procedure for replacing current inks with

### Sublisplash inks for an SG500 / SG1000 from the printer driver maintenance tab.

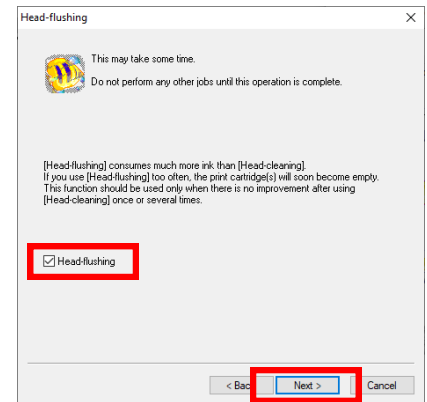
1. Go to your Devices and Printers and 'Right Click' on the Sawgrass SG500/SG1000
2. Click on 'Head-flushing'



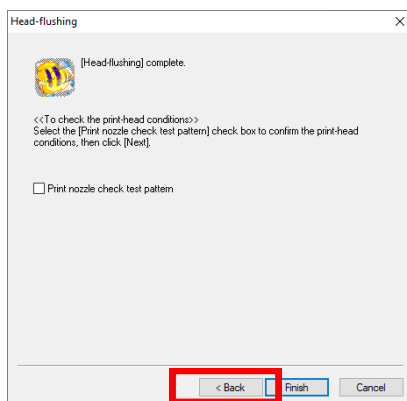
3. Tick both boxes for Printhead 1 and 2
4. Click 'Next'



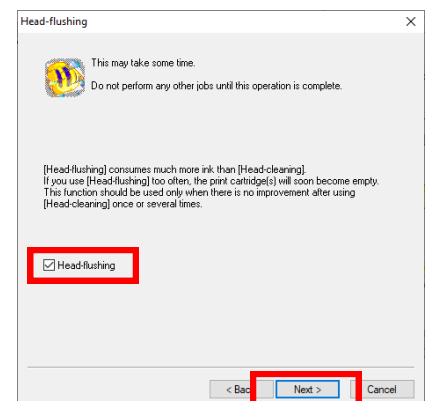
5. Tick the Head flushing box.
6. Click 'Next'



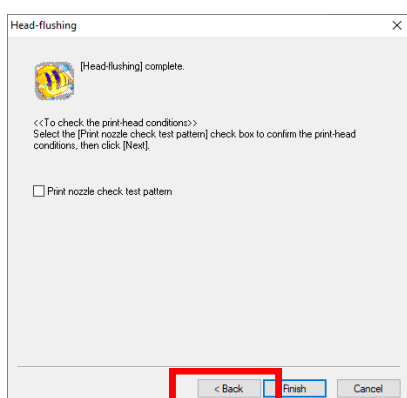
7. If this is the first flush you are doing click the 'Back' button'.



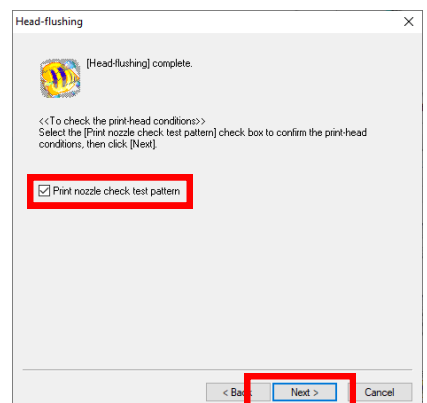
8. Make sure the Head flushing is still ticked and click 'Next'.



9. You need to click 'Back' and 'Next' 3 times to perform a total of 4 x head Flushes.



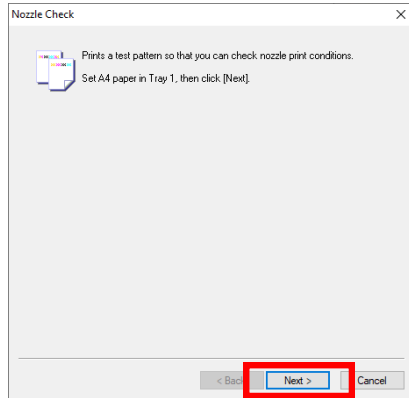
10. Once you have completed 4 x Head flushes, tick the 'Print Nozzle check test pattern' and click 'Next'



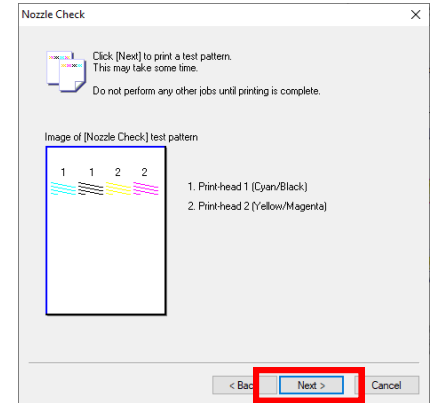
# Sublisplash®

## 2nd Alternative Flushing procedure for replacing current inks with Sublisplash inks for an SG500 / SG1000 from the printer driver maintenance tab.

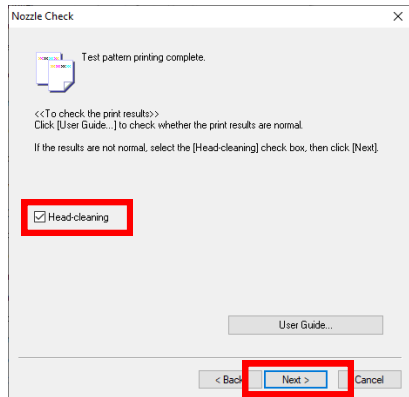
11. Click 'Next'



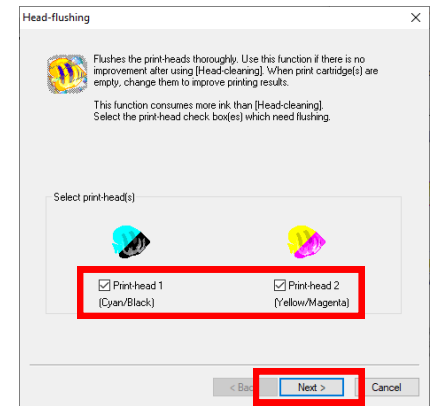
12. Click 'Next'



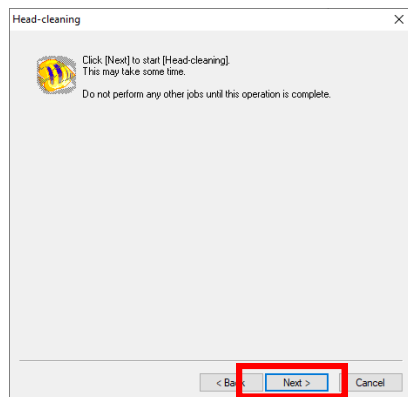
13. If the resulting Nozzle check is all correct, go to Step 17. Otherwise tick the Head Cleaning box, and click 'Next'.



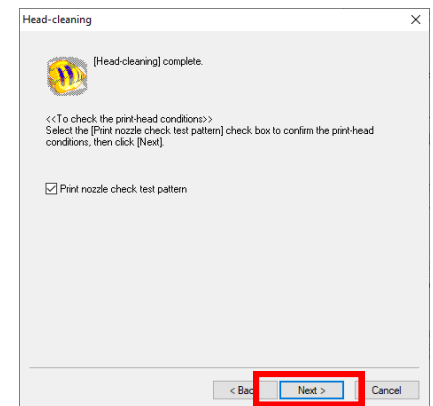
14. You can now choose to clean Printhead 1 or Printhead 2 by ticking the relevant box. And click 'Next'.



15. Click 'Next'

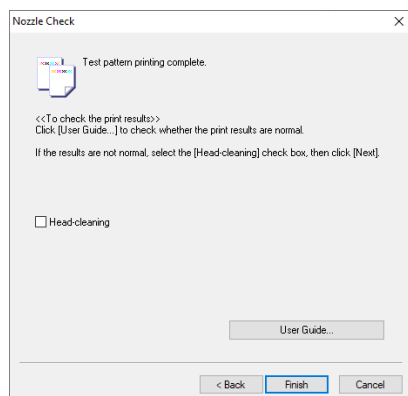


16. Click 'Next' Repeat Steps 11 and 12 to print the Nozzle Check.



17. If the Nozzle check is correct you can click 'Finish'.

Do not over clean if there are only 1 or 2 nozzles missing. It is possible that they will start during printing a test image.



Once you have a good Nozzle Check your printer is ready to be configured to print.

**Follow pages 10 to 11 to set up your printer driver for printing via Photoshop or Corel.**

# Sublisplash®

## Setting up the SG500/SG1000 printer driver to print from Photoshop

Step one - choosing the paper sizes you will be using.

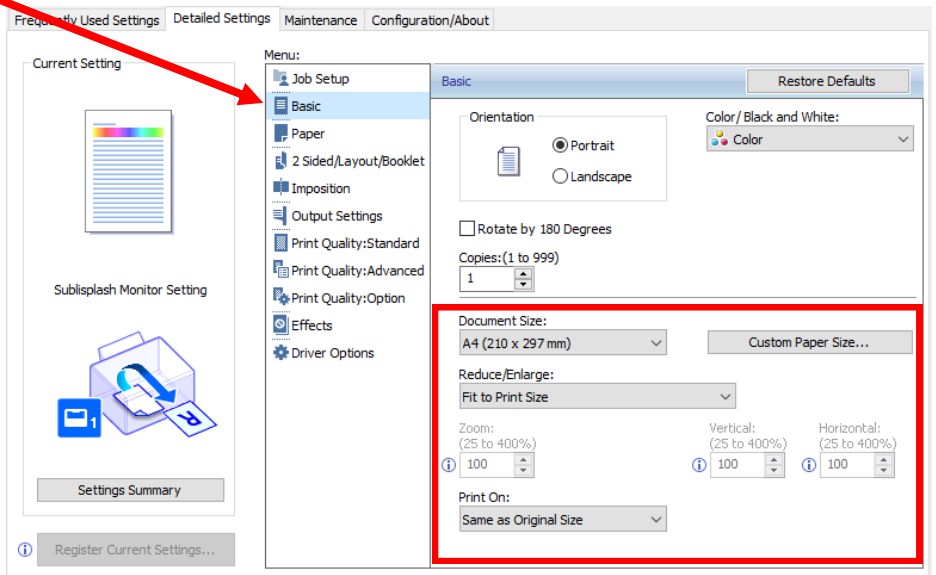
After setting up a paper size on the 'BASIC' tab for each paper, go to the next page to set up the parameters for printing.

### Setup for A4 paper.

Document size:

A4(210 x 297mm)

[Go to Page 11](#)

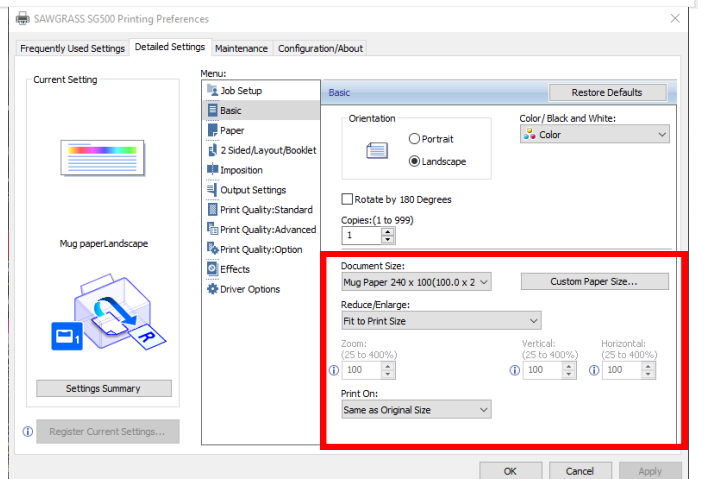
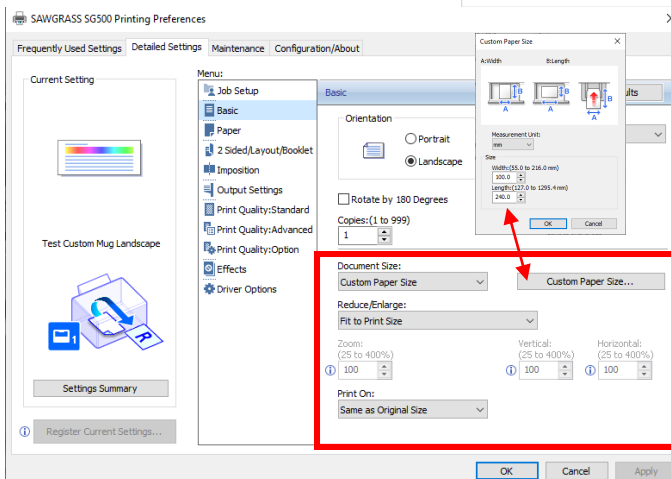
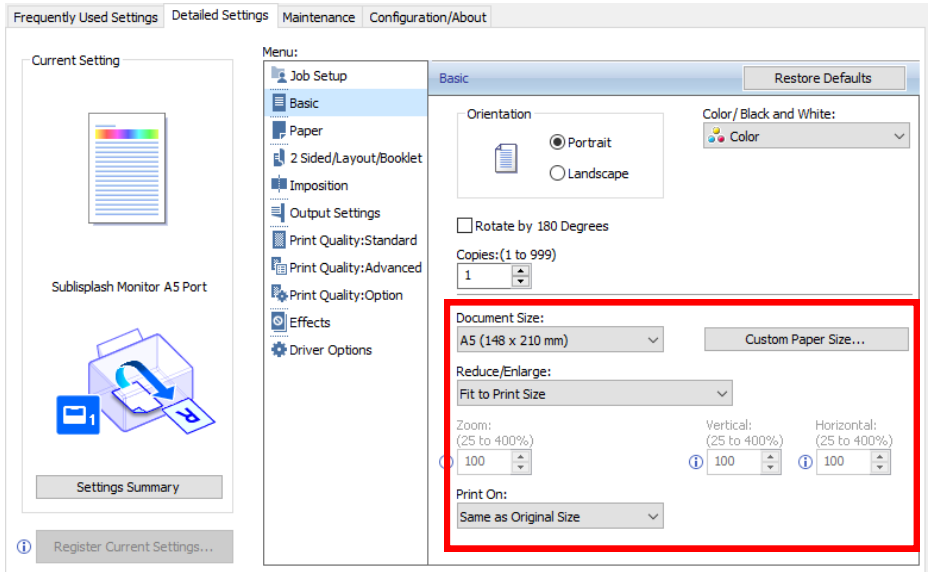


### Setup for A5 paper.

Document Size :

A5(148 x 210mm)

[Go to Page 11](#)



For Mug paper, a custom paper size needs to be created.  
Either using the 'Custom paper Size..' button ..... Or ...

You can create a 'Named' custom paper via the Printer Properties - Advanced Options - Register Custom Paper size method.

[Go to next Page](#)

# Sublisplash®

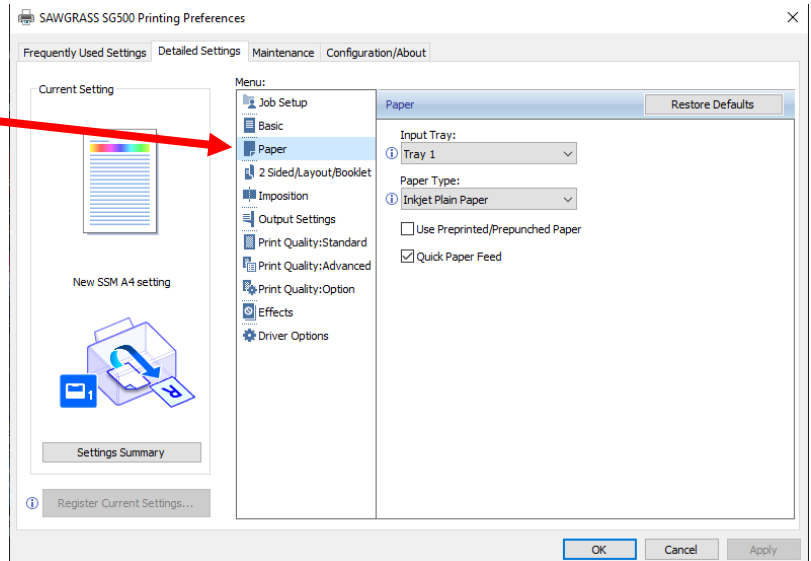
## Setting up the SG500/SG1000 printer driver to print from Photoshop

Step Two - The rest of the settings for each paper size you register are as follows.

### Paper

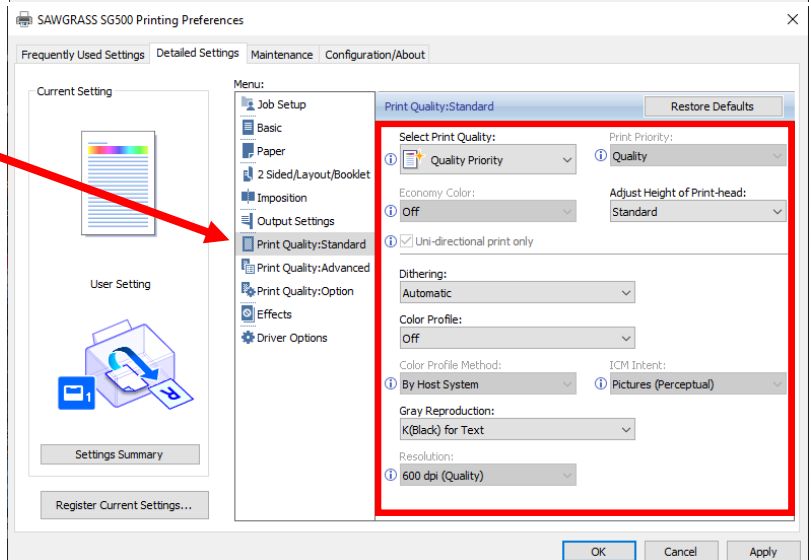
Paper Type:

Inkjet Plain Paper



### Print Quality : Standard

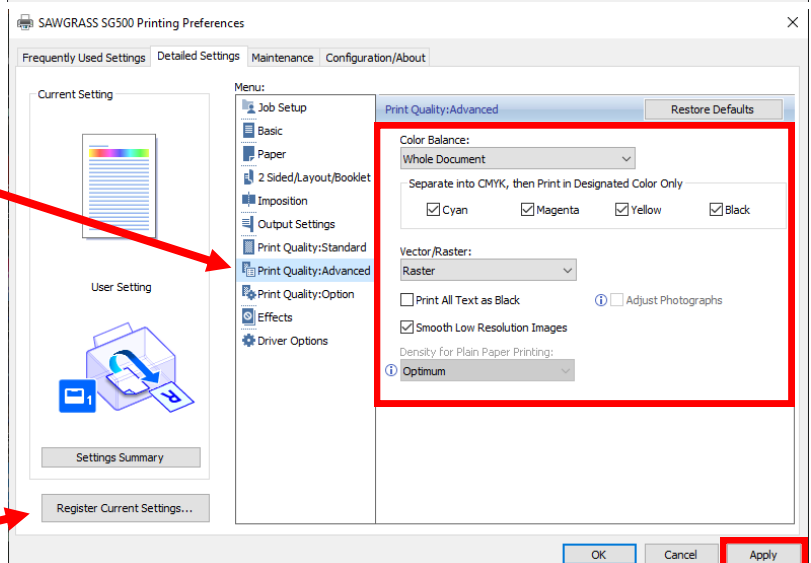
Set all of the parameters as shown in the red box.



### Print Quality : Advanced

Set all of the parameters as shown in the red box.

Click on 'Apply'

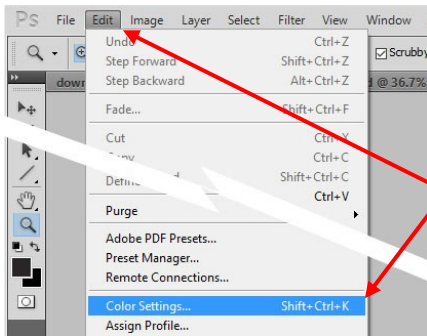


Register Current Settings. After setting up each paper size and parameters, name the setting appropriately so you can recall each one under the 'Frequently Used Settings' Tab.

# Subsplash®

## Printing from Photoshop with Subsplash profiles.

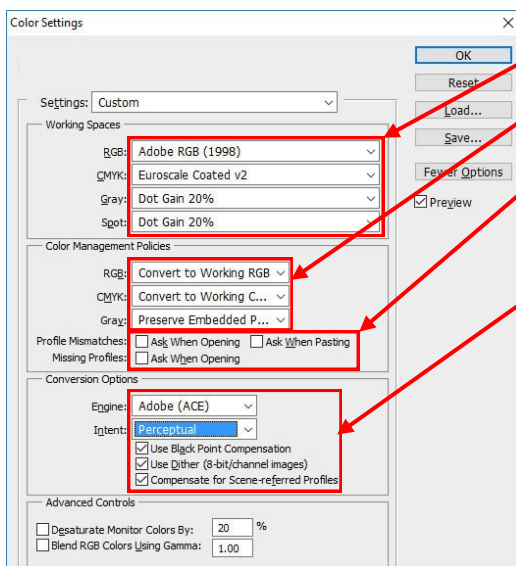
The first thing to do is set the Color Settings in Photoshop.



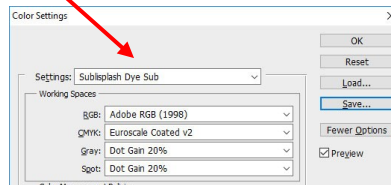
These will only need to be set up once and can be saved as a pre-set.

To do this, follow the instructions below.

1. Click on 'Edit' and 'Color Settings'.



2. Change the color settings to the ones shown here.
3. Change the 'Color Management Policies'.
4. These boxes can be checked if you want to be reminded that an image you are opening is going to be converted to the current workspace.
5. Set up the 'Conversion Options' as shown.
6. Click 'Save' and give the setting a name in case you need to recall it and Click 'OK'.



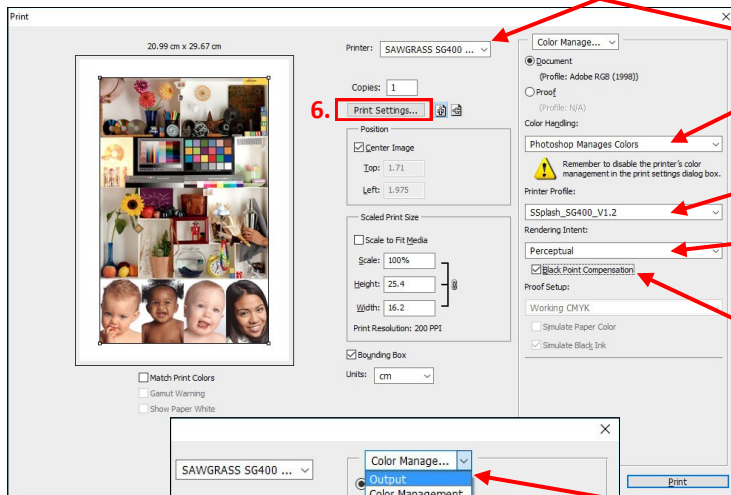
Subsplash profiles are created in the Adobe RGB (1998) workspace so it is advisable to create your artwork for print in the same workspace.

You do not have to access this setup again as long as you do not change these settings as Photoshop will remember the setup when it is closed down normally.

To print your designs through Photoshop using the provided colour correction profile for your printer please follow the instructions on the following page.

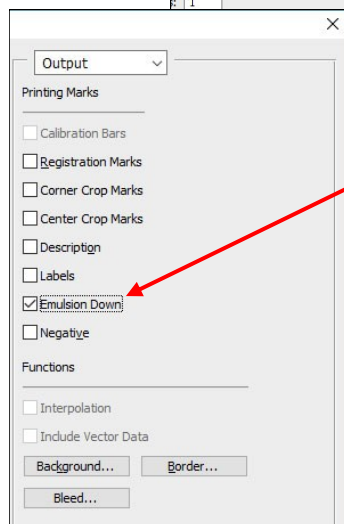
# Sublisplash®

## Printing from Photoshop with Sublisplash profiles.



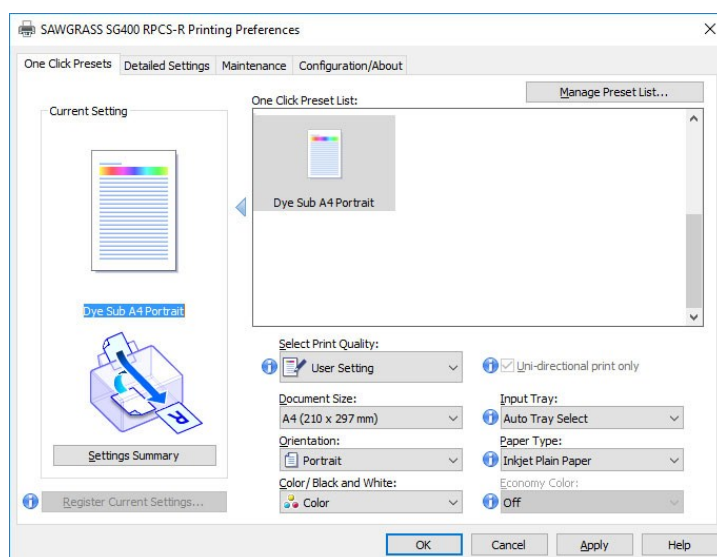
1. Choose your relevant printer.
2. Make sure 'Color Handling' is set to 'Photoshop Manages Colors'.
3. Choose the correct ICC profile for your printer.
4. Make sure the 'Rendering Intent' is set to 'Perceptual'.
5. Tick the 'Black Point Compensation' box.

Because the Ricoh/SG400/SG800/SG500/SG1000 printer drivers do not have a 'Mirror Image' function you can perform this operation in Photoshop via the 'Output' drop down menu.



This menu gives this option 'Emulsion Down' which will mirror the image before printing.

This is not required for creating transfers for sublimating onto Glass or Acrylic as the image is transferred to the back of the substrate and will not require 'mirroring'.



6. Underneath where you choose your printer you can click on 'Print Settings'. This will bring up the print dialogue box for your printer. You can now choose the printer driver pre-set you created for your printer using the document 'Setting up the Ricoh SG400 SG800 SG500 SG1000 printer Driver'.
7. Click on 'OK' then 'Print' on the Photoshop dialogue box.