

## RECOMMENDED SCANNING PARAMETERS

**HARMAN  
PHOENIX 200**ISO 200/24° C41 PROCESS COLOUR FILM

---

Unlike more traditional colour negative films, HARMAN Phoenix 200 does not have an orange mask. This can affect scanner response and some adjustment may therefore be required to achieve the optimum results. Some recommendations for best settings are shown below. These scanning settings were developed by HARMANLab.com in conjunction with and support from The Darkroom.com, Analogue Wonderlab, SilverPan Film Lab and Blue Moon Camera and Machine.

**Fujifilm SP3000**

Below are our starting point recommendations. Nb. many labs will have their own preferred workflow, so these should be treated as guidance only. These settings can be assigned to a custom channel as follows.

**Main Menu > Setup & Maintenance > Password "7777" > Print condition set-up & check  
> Custom setting register.**

Assign the settings to any free channel and save under appropriate name e.g., Phoenix – please see the Scanner manual for further information.

It is also possible to set a specific auto DX channel for the film, however the settings are more limited, and this is not recommended, unless it is your preferred workflow.

|  |  |   |
|--|--|---|
| <b>Input Type</b><br>Negative<br><br><b>Tone Correction</b><br>Hypertone = Yes<br>Full correction<br>Tone adjustment = Standard<br>Highlight level = Normal<br>Shadow level = Normal<br>Mode = 1 | <b>Sharpness/Grain Control</b><br>Sharpness Process = No<br><br><b>Gradation/Bright</b><br>Gamma: Shadow= - 4,<br>Midtone= -2, Highlight =0<br><br>Balance = All 0<br>Bright Mode = 0<br>Colour Mode = 0 | <b>Key Step Width</b><br>Default (CMY = 5, D=10)<br>BL = Default (0)<br>SL = Default (0)<br>(Only impacts Key corrections)<br><br><b>Other Corrections</b><br>Saturation = -3 |
|--|--|---|

**NB.** As with other C41 process films, Digital Image Correction and Enhancement (Digital ICE) can be used to remove dust and scratches automatically from the image.

### Noritsu HS1800, LS600, LS1100

Noritsu scanners can easily be configured to work with HARMAN Phoenix 200. Many labs will have a preferred configuration. Below is our recommended starting point to give good results with minimal configuration.

| Global Settings  | DSA Settings  | Colour Balance and Density   |
|--|---|--|
| Colour Correction = Std<br>Gradation Correction(135) = ON<br>Basic Dens Correction = 1<br>Scanner = ON<br>Tungsten Correction = 80<br>CF = 80<br>Basic colour correction = 0<br><br>(All others 0 or OFF)<br><br><b>Input Type</b><br>Negative | Auto Contrast Ov = 0<br>Auto Contrast Sh = 0<br>Auto Contrast Hi = 0<br>Auto Sharpness = 0<br>Chroma = 100<br>Grain Suppression = 0<br>Auto Contrast 2 = 5<br>CS Balance (red) = 0<br>CS Balance (blue) = 0 | Starting points<br>Y = -2<br>M = 0<br>C = +2<br><br>D = Adjust as required |

Settings can be adjusted during the workflow and applied to all frames using the hold function, or by creation of a print channel specifically for HARMAN Phoenix 200. To create a print channel, you must log in with the service menu password. (See below)

**In the function menu - Press F1 then F9, enter the service password in the prompt "2260".**

Entering the service password will now allow you to edit and save new print channels.  
Please see your operation manual for your scanner / EZ Controller for more information.

### Epson V850 & Epson flatbed scanners

Use full autoexposure and auto colour.

### Digital Camera Scanning

Please follow your normal workflow for scanning with a digital camera. Using your conversion software, you can adjust the parameters to suit your tastes.

### Other Scanners

For scanners not listed above, as a guide use the following settings.

- Auto exposure / Colour correction = On
- Sharpening – Off or Low
- Saturation – Depending on the scanner a small reduction of up to 30% may give more desirable images.

**HARMAN technology Limited,**  
Ilford Way, Mobberley,  
Knutsford, Cheshire WA16 7JL, England  
[www.harmanphoto.co.uk](http://www.harmanphoto.co.uk)