

GAMUT CORRECTOR

- Shows Out of Gamut Pixels
- Corrects Out of Gamut Pixels
- Split Screen Mode
- No user set up required
- GPI control inputs

The Gamut Corrector offers a "legalising" function. It processes the incoming video to ensure that it always remains within the valid RGB colour gamut. This ensures when the signal is then coded to PAL or NTSC it will remain legal.

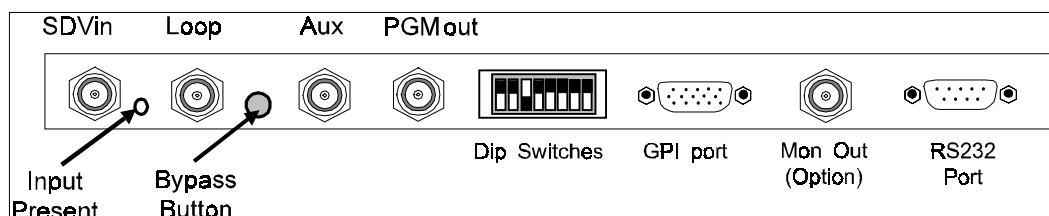


Functions

- Display illegal** This colours the out of range pixels bright pink so that it is immediately clear what areas of the screen are illegal.
- Correct illegal** When enabled, a processing engine looks at each pixel and decides if it is out of gamut. If it is, a calculation is made of how much correction should be applied to bring the colour back into the RGB colour space. This means that when the signal is coded to PAL or NTSC it will always remain legal.
- Split Screen** Shows a horizontal split of the picture, with legal picture in one half and illegal (original source) in other.
- Y/C Limit** Restricting the luma (Y) to digital values between 16 and 235 and Chroma (C) to -112 to +112, clipping of below black and above white spikes.
- Blanking** Applies blanking that equals the 14:9 (or 4:3) area of a 16:9 picture. This enables a quick check to be made of where the picture edges might be once put through an ARC.

Specifications

- Video In/Out** Serial Digital Video (270Mb/s) to SMPTE 259M (EBU Tech 3264E)
Power Fail bypass connects Input (SDVin) to the main output (PGMout)
This may be manually activated from the rear panel
- Control** Dip switches allow the unit to be configured with GPI's allowing remote control.
- Physical** 1U rack mounting unit, 240VAC (or 220,110) operation, Power cons. = 60W approx



Part No. NPROC-1 Gamut Corrector supplied in a 1U rack mounting unit

Note - The Mon Out option is now included as standard (from June 01)

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