Feature Spotlight

CHROMATUNE

Colour control at your fingertips.

Tessera's ChromaTune feature is perfect for making precise colour adjustments and corrections. Use it to ensure a perfect colour match any time you need it; whether for corporate logos in their correct brand colour, or a product on a trade show stand matching the promotional video playing behind it. Combine it with our 3D LUT Import feature to enable real-time colour control and creative flexibility on set.

ChromaTune is exclusive to Tessera M2, S8 and SX40 LED processors and has three advanced colour correction capabilities: Colour Replace, 14-Way Colour Correction and Colour Curves.

In addition, our 3D LUT import feature (available for our SX40 and S8 processors, using Tessera software v3.2 onwards) can be used in conjunction with ChromaTune and allows you to integrate LED screens into your colour workflow and grade in real time.

- ✓ Precise colour adjustments and corrections.
- ✓ Perfect colour match.
- ✓ 3D LUT import feature.

Colour Replace

This mode allows you to select a particular colour in a video which may need adjusting and offers tools to fine-tune it: a colour picker is provided so you can easily select the new colours you want from a still of the video feed itself. In addition, there are options available to control the colour and brightness tolerance of pixels to be replaced, as well as the strength. The 'view matte' option creates a greyscale image clearly indicating where the replacements will be made.

14-Way Colour Correction

This lets users independently adjust primary, secondary and tertiary colours in a video without affecting any other colours. Hue, saturation and brightness adjustment controls for each colour are available, as well as red, green and blue gains provided for both black and white.

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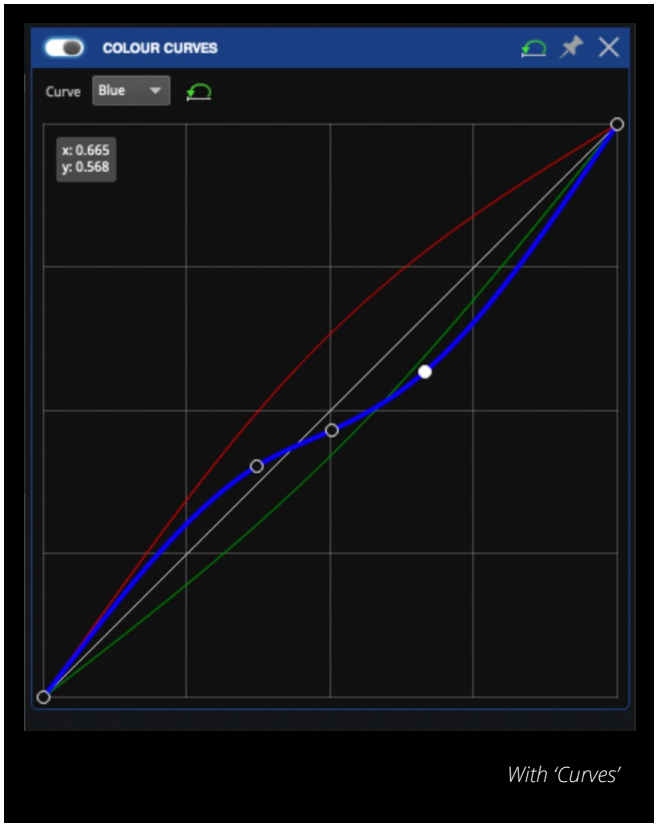
Colour Curves

This feature is similar to the Curves feature found in popular image and video-editing software, so its function is familiar, and offers quick and intuitive colour changes in real time.

With Curves you can manipulate the video levels for red, green, blue and white colour channels by creating custom transfer curves, which can be stored as presets and recalled later.

Curves can also be used creatively to adjust the 'look' of the video, such as adding an 'S-curve' to boost the contrast, or as a tool to fine-tune the appearance of the screen for ambient lighting conditions or on-camera performance.

✓ The Curves property editor offers a both intuitive and powerful user interface.



With 'Curves'

3D LUT Import

With our 3D LUT Import feature you can import a 3D LUT directly into your processor, with zero additional latency or cost. Any valid Adobe .cube file can be imported, using 12-bit precision and tetrahedral interpolation.

Your imported 3D LUT can be applied after you've made your ChromaTune colour corrections and gives you direct access to the system's colour processing capabilities so you can grade in real time, while all the data is stored within the project file. The strength with which the 3D LUT is applied can be controlled with the Strength slider. Toggling the enable/disable control allows before and after comparisons to be made quickly and easily.

This feature has also been integrated with popular on-set applications, including Pomfort Livegrade, Assimilate Live Looks and Assimilate Live Assist, which use our powerful API to send 3D LUTs to our SX40 and S8 processors in near real-time.

Brompton Technology is the market leader in LED video processing for the most demanding applications across live events, virtual production, broadcast/XR, simulation/VR, fine-pitch installations and esports. The company has won multiple awards and become a globally respected brand, known for the quality and reliability of its products and exceptional technical support. For more information, visit www.bromptontech.com.

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