

## Fiber Optic Interfaces

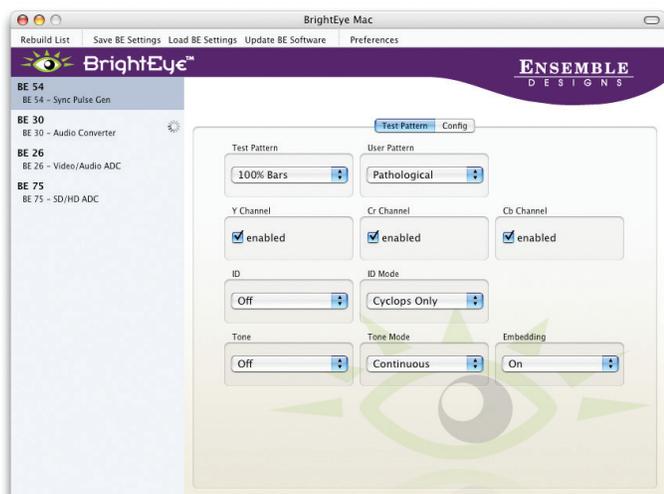
When distances take you beyond the reach of ordinary copper cable, look to BrightEye's fiber optic interfaces. With both laser diode fiber drivers and photo diode receivers, BrightEye can handle both ends of a fiber optic link. Fully compliant with SMPTE 274M, 296M and 297M, BrightEye's optical interfaces operate at a wavelength of 1310 nm. Integral SC type connectors make it easy to connect into fiber infrastructure. BrightEye has been designed without internal fiber pigtailed, so all optical converters support both multi and single mode fiber. BrightEye's fiber interconnect carries the same digital bitstream that makes up the electrical SDI interface. Data is carried by pulses of light rather than pulses of electricity. This rugged transmission system can carry serial digital signals with no loss or degradation for twenty kilometers or more on single mode fiber. With the use of a launch attenuator, multi-mode fiber is supported.

BrightEye makes it easy to take advantage of fiber optic technology. Choose from converters that include analog video I/O or units that interface directly to HD or SD SDI signals. Fiber interfaces are ideal for outdoor events and remote broadcasts. Fiber is not only a great solution for long distances, but since it is electrically non-conductive it also provides complete electrical isolation between the two connection points. Fiber connectivity completely eliminates concern for AC ground loops and hum. Optical transmission over fiber is also immune to radio frequency interference (RFI) and electromagnetic interference. Even nearby lightning strikes will not compromise the signal.

## BrightEye Mac and PC Software

Adjusting video levels, output timing and mixing audio channels are so easy with BrightEye control software. No DIP switches or button hold-downs are needed. Use BrightEye Mac or PC software to control a single BrightEye unit or any number of units connected to a USB hub. Additionally, you can use it to upgrade BrightEye units as new software versions become available. BrightEye Mac and PC software are included with each unit at no charge.

### Mac Screen Shot



### PC Screen Shot

