Litepanels® 1x1 – BiColor Instructions

Color Control – The Color control knob will seamlessly vary the color from 3200K to 5600K and anywhere in between. 3200K is a warm color that is the standard for studio incandescent lighting. 5600K is a cool neutral color that is the standard for daylight photography. Color temperature can adjusted by turning the Color control knob without changing the intensity.

Dimmer Control – The Dimmer control knob allows for variations in intensity from 0 – 100%. There is no change in the color temperature as the fixture is dimmed up/down, even when the color adjustment is set at an intermediate setting.

DMX Thumbwheel Settings - An integral DMX-512 interface is included in 1x1 BiColor fixtures for remote dimming control. DMX is a standardized hardware and software protocol that allows lighting fixtures to be remotely controlled by both analog and digital dimmer control panels. These dimmer control panels typically have between 4 and 128 sliders that individually control lighting fixtures. Each fixture has 2 unique sequential address numbers which are set by adjusting the 3 thumbwheels on the back of the 1x1 Bi-Color fixture. If you set the thumbwheels to 001 then the primary address is 1 which refers to the dimming brightness or level of intensity. The BiColor fixture automatically assigns address 2 as the fixture's Color setting number. Any additional fixtures will have to then be addressed at 003 or higher to avoid overlap. Valid DMX addresses are 1 through 512. Litepanels has reserved the numbers above 512 for special functions.

DMX jacks – The DMX jacks allow for multiple units to be connected from one fixture to the next. There is no designation as to which of the two jacks is input or output, they are interchangeable. Connect a Litepanels XLR to RJ-45 cable from the dimmer control panel to the closest Litepanels fixture and then connect the first fixture to the second fixture using standard CAT5 8-pin Ethernet cable, and so on. Only the last BiColor fixture in the sequence should have the terminator switch set (down position).

Color Presets –The thumbwheel numbers 800 through 899 are reserved for Color presets. Start by setting the left (hundreds) thumbwheel to 8. By setting the other two wheels to 32 you will be setting the color temperature to 3200K. By setting the right two thumbwheels to 33 you would be changing the color temperature to 3300K and so on all of the way up to 5600. If you set the Color preset to a temperature outside the available color range, i.e. 824 which equals Preset color 2400K, the fixture will simply go to the closest it can get to the requested color which will be 3200K in this case. When the thumbwheels are set to 800 through 899 numbers the indicator LED on the back of the 1x1 Bi-Color fixture turns yellow. This indicates that the Color control knob has been disabled and the numbers on the thumbwheel determines the exact color temperature.

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