

## PRODUCT FEATURE

### The CDT100 MkII & RGB Devices

#### Color-Matched Perfection

Following the upgrade of Clockaudio's control devices to RGB, many of our customers have been asking for the ability to dim and/or combine the LEDs to create more colors. The purpose of the upgrade (in addition to providing more statuses from the same LED button) was to accommodate color-blind individuals by making our control devices ADA compliant.

Adding Blue to our devices helps end-users who have difficulty differentiating Red and Green but can easily tell the difference between Red and Blue. Therefore, replacing the Green with the Blue will change the shade a color-blind person sees, giving them the ability to differentiate the two colors.

What is meant to be seen:



What a color-blind person sees:



In the following example, the Green LEDs were substituted for the Blue LEDs.

What is meant to be seen:



What a color-blind person sees:



With today's growing trends, we see quite a few more color applications in the environment and interfaces than we did 15 years ago. Control panels are now mini touch-screen monitors, instead of panels with hard buttons. These touch-screens are user-friendly and intuitive, offering different color pages for different operation modes and/or devices. Clockaudio's RGB devices fit right in and complement these new applications.

Subsequently, the CDT100 device also required an upgrade to symbiotically work with the new touch switches. With this upgrade, pairing control devices with the CDT100 MkII offers the best solution to fully control the RGB buttons.



Pictured above: Clockaudio Touch Switch device (SWP2) in Blue, matching the highlights of the boardroom.

The first generation of the CDT devices were equipped with PWM drivers that had the capability of changing the intensity of the devices' LEDs by increments of 10%. In many cases, that brightness control proved to be very useful. For example, in video conference, the brightness of a device could affect the auto-brightness control of a camera and would dim the whole room, thus impeding video quality.

In the development of this upgraded CDT100, Clockaudio's innovative minds stretched a little further and expanded the PWM drivers' range to be able to adjust the brightness of each LED by 256 steps. Like its predecessor, the CDT100 MkII can combine any 2, or all 3 LEDs on the new devices, to create any color in the spectrum. Imagine having the client's corporate-logo colors on a button instead of the regular Red and Green for mute/unmute status!

With a wider variety of colors available, a user can get more statuses or notifications out of the same button and essentially assign more functions to that device. Whether it be for signaling an incoming phone call in silence, or someone ringing the bell at the reception desk, having a different color for every notification imaginable is at your fingertips.

Today's programmers have innovative ways of using color to make the user experience pleasant and intuitive. For them, this is a welcomed upgrade, and another reason Clockaudio's products are "Clearly Different".

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