

PRODUCT FEATURE

Using the TS-C1 with the CRM202S

People want what they want and with today's trends, people are used to seeing more colors in public display panels. They also want to be able to have the option of using more colors to show different notifications and states.

It has been almost a year since the launch of our new RGB touch switches, and we've heard your feedback loud and clear.

Cat6 out to CDT100, Control System or DSP carrying:
Power and main ground,
REED switch feedback,
Touch Switch action,
3 X Ground leads for the LEDs

CRM REED
switch connection
(Grey cable)



Touch switch
from microphone

Integrators using our new RGB TS devices really like the third color option and appreciate the ability to customize the LED buttons by combining colors or changing the intensity of color from bright to dim for an even friendlier and intuitive approach to operating their AV equipment.

Our inspiration for the upgrade was the blue LED, but then Clockaudio's ingenuity went a little further to make it installer-friendly as well. We did this by isolating the control circuitry from the capacitive touch sensor and LEDs. Design teams and installation teams truly appreciated this innovation as it separates the electronics' enclosure (the TSC1) so that it can be installed under the table, near the microphone or the touch switch (it came with), for easier service access.

YES, that's right, the TSC1 comes with every Clockaudio capacitive touch switch. Namely the TS003, SWP2 and TS005 and any CRM200S series and CS*S series microphone, with the embedded TS004 RGB touch switch.

One of the most common questions our technical team gets about our touch switches is, "Do I have to use this TSC1 box that came with my...?" Well, the short answer is YES, it is absolutely necessary to use the TSC1 box with any of the above-mentioned TS devices, as this is the 'brain' of the switch. What may have some of you confused is that for a few years, the TS001, TS002 and CH32 were integrated in many projects and technicians worked with these products without the TSC1 enclosure. However, since the upgrade you will need to use the TSC1 on every installation to access it's performance power.

Since our product development engineers are always looking to add more value and performance capabilities to our equipment, we also include a two-prong phoenix port on the Input side of the TSC1 to facilitate the hook up of the REED switch on the CRM series microphones.

This port uses the common ground and the unused pin #1 of the RJ45 out port to carry the 'UP/DOWN' status of the retractable table microphone back to the control system without the need for an extra cable.

The good news is, they are totally (well almost) backwards compatible with their predecessors. Any of the new RGB touch switches could replace any CH32, TS001 or TS004 in an existing installation and behave the same way lighting up the Red and Green LEDs without any modification to the wiring or the processor's written program. The TS005, replacing the CH32, does have a slightly different shape and look, so we don't recommend mixing them with the older version. Same with the TS003 and TS004, since they are also brighter than the TS001 and TS002.

The TS-C1 requires an extra wire to connect to the General-Purpose output or relay block to light up the Blue LED, fortunately, when using a Cat5 cable, that wire is readily available. You can browse the technical details, wiring diagrams and specifications of the TS devices in this month's article or on our website. Of course, our technical support team is always there to answer your questions and help troubleshoot any possible issues.

