CRM 200S-RF RGB is a tri-element omni-directional boundary layer through table condenser microphone, with a built-in mechanism that allows users to retract the microphone fully into the table. The microphone is fitted with a RGB electronic capacitive touch sensitive switch designed to be used for remote switching. Available in Black Nextel® (CRM 200S-RF RGB) or Satin Nickel (CRM 200SN-RF RGB).

Switch Features

- RGB electronic capacitive touch switch facilitating click/pop free switching.
- Programmable via a DSP to display multi-colour combinations and operate in PTT, PTM or Latching modes.
- Works only in conjunction with supplied TS-C1 touch switch controller that accepts 6 way colour coded ribbon cable from RGB LEDs, a 2 way phoenix connector for connection to the reed switch and a third for connection to a control system via a CAT-5 Ethernet cable.

Microphone features

- Omni-directional polar pattern.
- Balanced output that is immune to RF artifacts.
- Fitted with a magnetic reed switch that prevents unwanted feedback while retracted; contact status available via TS-C1. **This is not designed for privacy muting.**
- Power requirements: mics 9-48V phantom power; RGB switch plus TS-C1, 12V@75mA
- Cable 2m 2 core + screen.

Note: Reed switch status can be used by DSP for muting.

Installation guide

1) Drill a 58mm (2.25") hole through the table (Fig A).
2) Remove the nut and fit the microphone through the hole (Fig B).
3) Replace nut and tighten to the underside of the table (Fig C).
4) Microphone connections: Red Phase +, White Phase – and screen Ground.
   Note: microphone screen and TS-C1 ground must have a common ground connection.
5) TS-C1's CONTROL/TS-OUT port wiring for connection to control system:

Pin number	Function
1	Switch (Low indicating contacts closed on RS-IN)
2	Red LED (pulled low to illuminate)
3	Ground
4	+12V DC
5	Touch Switch Activated
6	Green LED (pulled low to illuminate)
7	Blue LED (pulled low to illuminate)
8	No connection

6) Grey 2 core (red and blue wires) connected to TS-C1's RS-IN.
7) Using p-clamps provided fix cables to the underside of the table ensuring there is sufficient slack in the cable loom for the mic to operate (Fig D).
8) Affix TS-C1 under table.

Fig A

Fig B

Fit P-clamp to secure audio cable

Securing Nut

Black Audio cable

Grey switch cable (Red and Blue cores).

Cat 5 switch cable connect to TS-C1

With head in raised position loop cable 25mm or 1" to allow movement when head is being lowered or raised.