

The CRM 203S-RF is a tri-element boundary layer through table cardioid condenser microphone, with a built-in mechanism that will allow 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 203S-RF) or Satin Nickel (CRM 203SN-RF).

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 DSP via a CAT-5 Ethernet cable.

Microphone features

- Cardioid 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.
- Cables 3 x 2m 2 core + screen.

Note: Reed switch status can be used by DSP for



Installation guide

- 1) Drill a 58mm (2 1/4") hole through the table.
- 2) Remove the nut and fit the microphone through the hole (Fig A).
- 3) Replace nut and tighten to the underside of the table (Fig B).
- 4) Microphone connections: mic A white cable in line with screws, mic B (90 deg from mic A) black cable and mic C (90 deg from mic A) black cable with red tag. For the three mics, 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 C).
- 8) Affix TS-C1 under table.



Fig A



Fig B

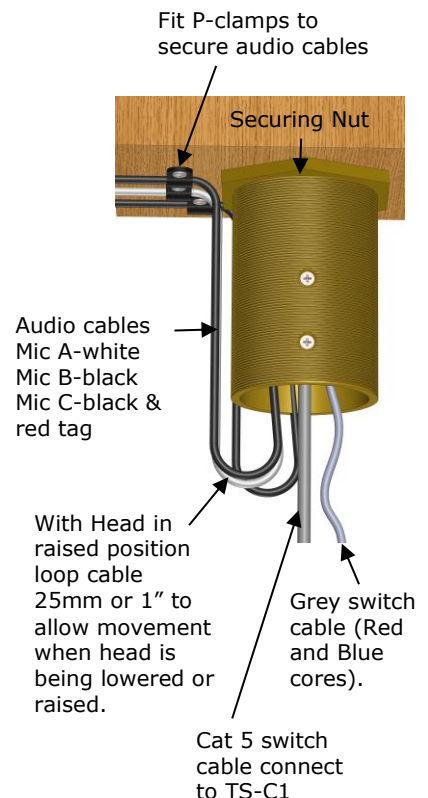


Fig C