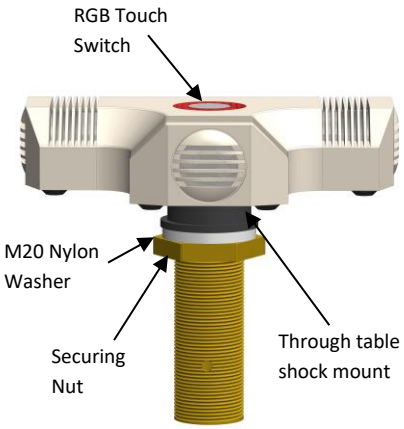
The CS 3S-RF RGB is a tri-element boundary layer microphone with a half cardioid polar pattern. The microphone is fitted with a RGB electronic capacitive touch sensitive switch designed to be used for remote switching. Available in Black Nextel® (CS 3S-RF RGB) or Satin Nickel (CS 3SN-RF RGB).



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 RJ 45 connector from the microphone switch, a 2 way phoenix connector for connection to an external switch and another for connection to a control system via a CAT-5 Ethernet cable.

Microphone features

- Half cardioid polar pattern.
- Balanced output that is immune to RF artifacts.
- Power requirements: mics 9-48V phantom power; RGB switch plus TS-C1, 12V@75mA.
- Cable 2m 6 core + screen.

Note: Microphone muting is controlled via control system.

Installation guide

1) Pre-drill a 24mm or 61/64” hole through the table.
2) After removing the Nut, M20 nylon washer and lower shock mount, push fit the microphone through the table. See Fig A.
3) Replace shock mount, M20 nylon washer and hand tighten nut to secure the microphone onto the table. See Fig B.
4) Audio wiring connections:
   Mic A: Red phase +, Black phase –
   Mic B: Yellow phase +, White phase –
   Mic C: Green phase +, Blue phase –
   Screen/Shield - Ground (common to all elements)
   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) Affix TS-C1 under table. See Fig C.

Fig A

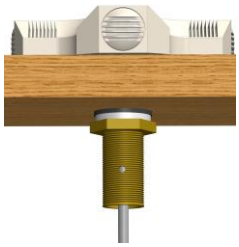


Fig B

Fig C