# Seclusion Room Intercom With En-Suite and Music Option System Drawings
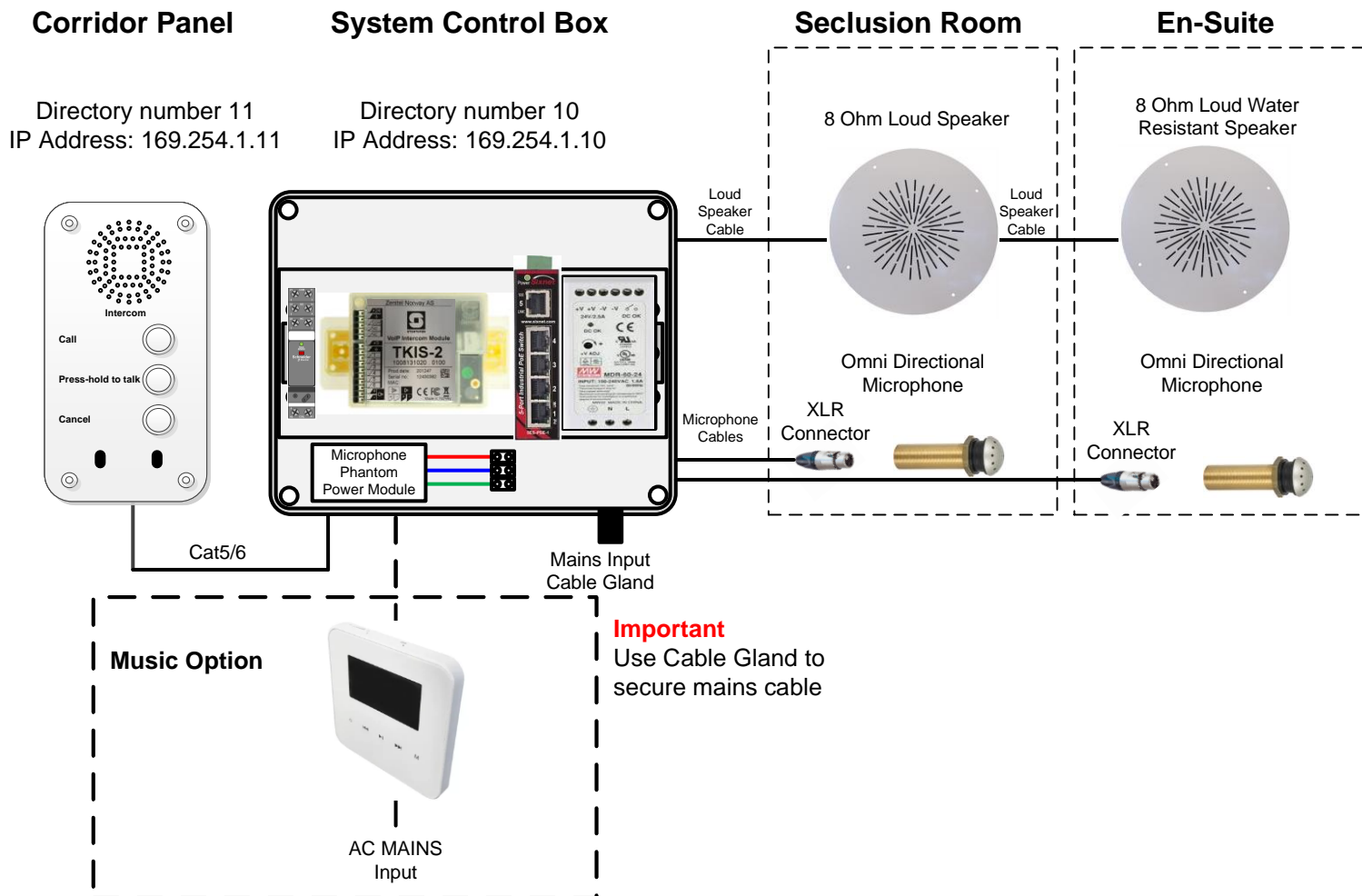
## Please Read All Installation Instructions Before Installing

## Please Note

## All equipment packaging must be kept safe and in a new condition until the system is fully installed, tested and excepted by the client.

## Any faulty equipment returned for repair or replacement must be supplied in original packaging and with accessories and documentation.

# RingCommunications

## Seclusion Room Intercom with En-Suite and Music Option

| Corridor Panel | System Control Box | Seclusion Room | En-Suite |
|---|---|---|---|
| Directory number 11<br>IP Address: 169.254.1.11 | Directory number 10<br>IP Address: 169.254.1.10 | 8 Ohm Loud Speaker | 8 Ohm Loud Water Resistant Speaker |

Intercom

Call

Press-hold to talk

Cancel

Loud Speaker Cable

Loud Speaker Cable

Microphone Cables

Omni Directional Microphone

Omni Directional Microphone

XLR Connector

XLR Connector

Microphone Phantom Power Module

Cat5/6

Mains Input Cable Gland

**Music Option**

AC MAINS Input

**Important**
Use Cable Gland to secure mains cable

### Installation
Corridor panel should be mounted with easy access to controls.
System Control Box can be mounted in the corridor ceiling, but may require access for maintenance.
Cable between Control Panel and System Control Box is CAT5e/6 cable.
Cable for microphones should be microphone cable, 2 core plus Screen.
The speakers requires 2 core speaker cable, use same type cable between Audio interface if fitted.

### Recommendations
Microphones must be fitted where it can pickup speech and not equipment noise.
Loudspeakers and Microphones should be spaced at arms length so fitting of microphone can be carried out through the speaker aperture, also you can make off the microphone connections through the speaker aperture.
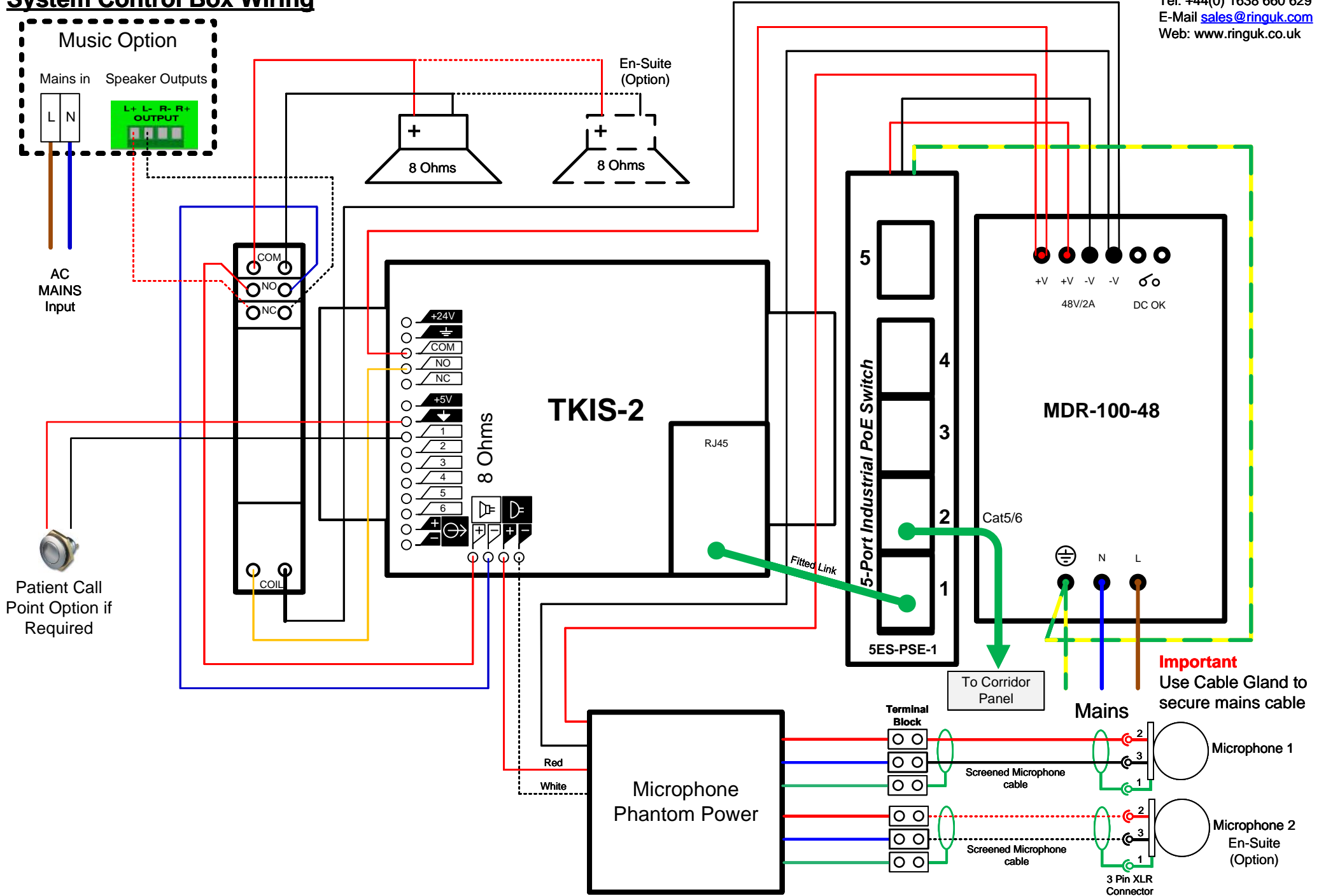
### Operation
To communicate with the seclusion room, press the call button, then press and hold the middle button to talk to the patient, let go of the middle button to return to listen mode.
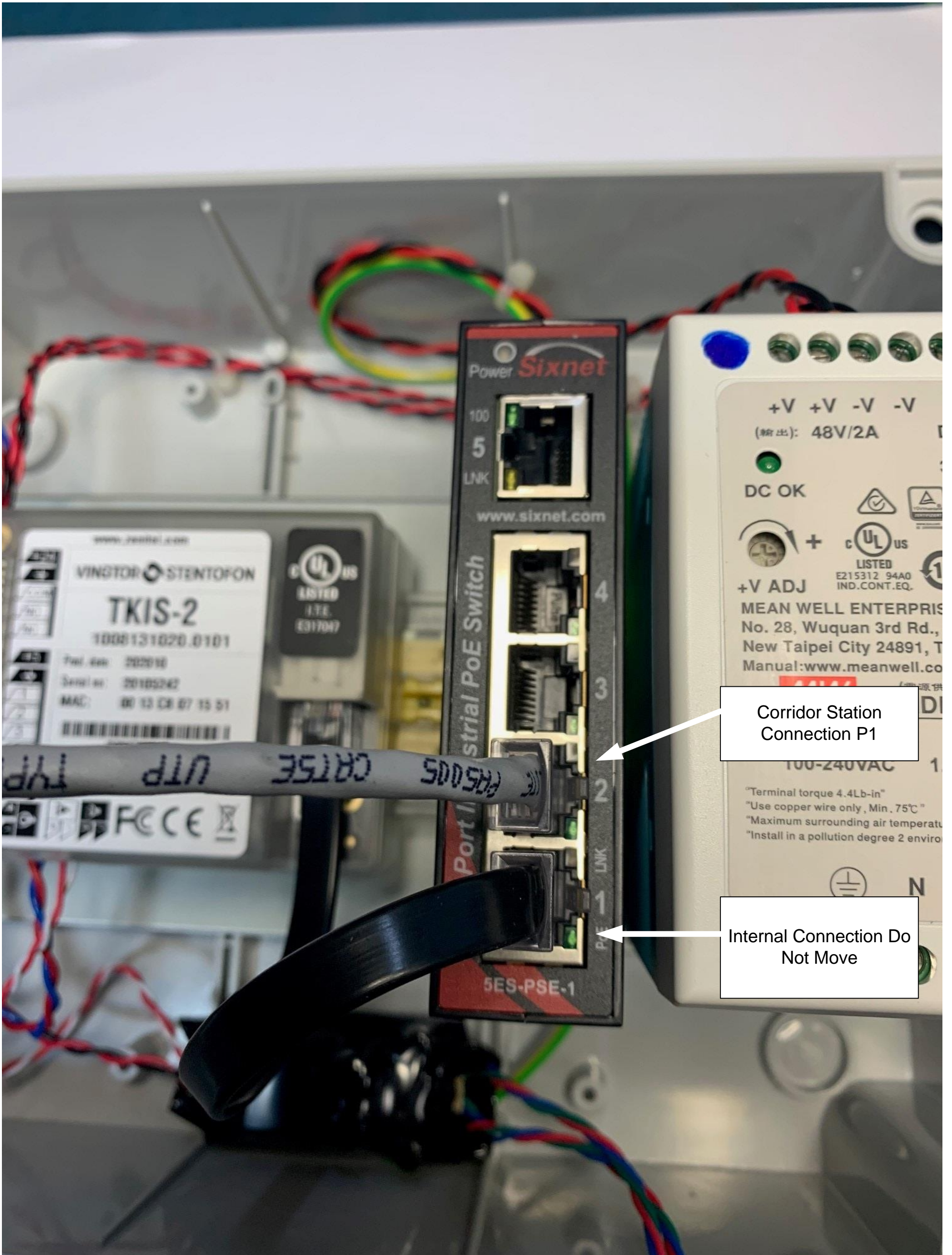
Patient cannot hear operator without the middle button being pressed.
When Pressing the middle button, relay will cut music from Audio interface (if fitted).

### Close System
To cancel all communications (Switch OFF) press Cancel.
Music will still be heard from Avid to speaker.
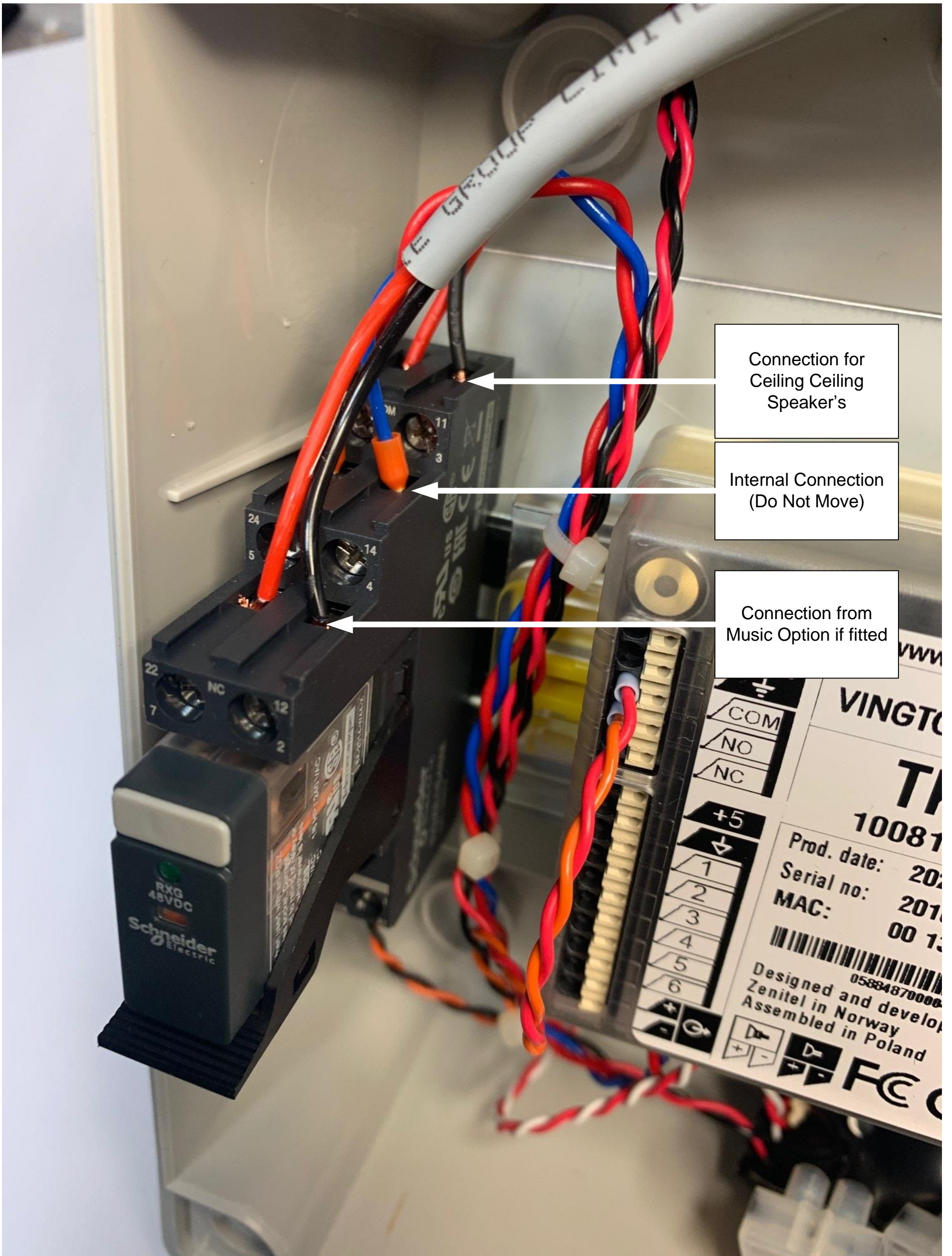Press ON/OFF button on Avid to turn OFF, then switch off music source.

# Ring Communications

## System Control Box Wiring

Music Option

Mains in    Speaker Outputs

L    N

L+  L-  R-  R+
OUTPUT

AC
MAINS
Input

En-Suite
(Option)

+
8 Ohms

+
8 Ohms

COM
NO
NC

+24V

COM
NO
NC

+5V

1
2
3
4
5
6

COIL

8 Ohms

**TKIS-2**

RJ45

Patient Call
Point Option if
Required

5

4

3

2

1

**5-Port Industrial PoE Switch**

5ES-PSE-1

Fitted Link

Cat5/6

To Corridor
Panel

+V   +V   -V   -V
48V/2A         DC OK

**MDR-100-48**

N    L

Mains

**Important**
Use Cable Gland to
secure mains cable

Microphone
Phantom Power

Red

White

Terminal
Block

Screened Microphone
cable

2
3
1

Microphone 1

Screened Microphone
cable

2
3
1

Microphone 2
En-Suite
(Option)

3 Pin XLR
Connector

Corridor Station Connection P1

Internal Connection Do Not Move

Connection for Ceiling Ceiling Speaker's

Internal Connection (Do Not Move)
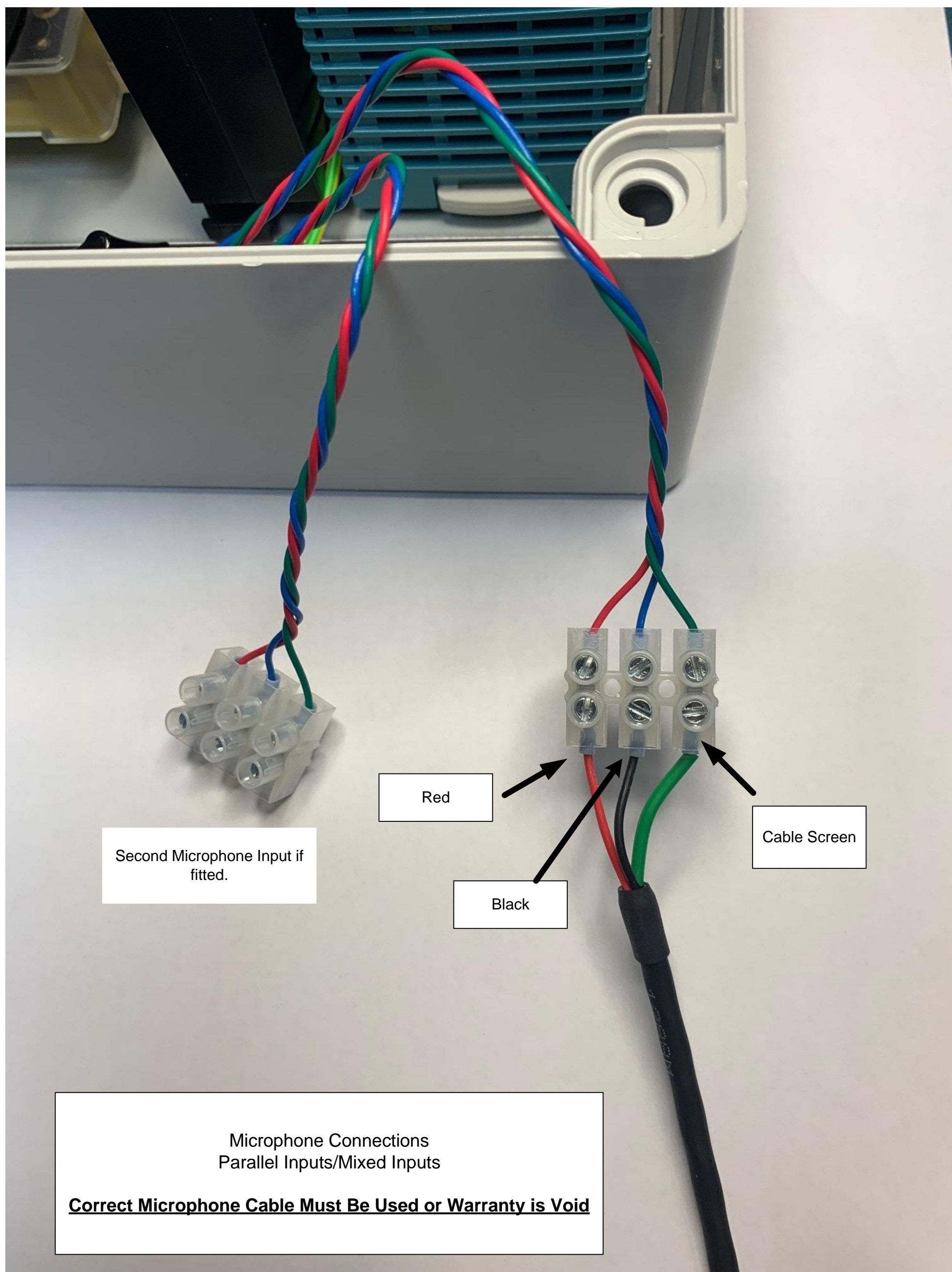
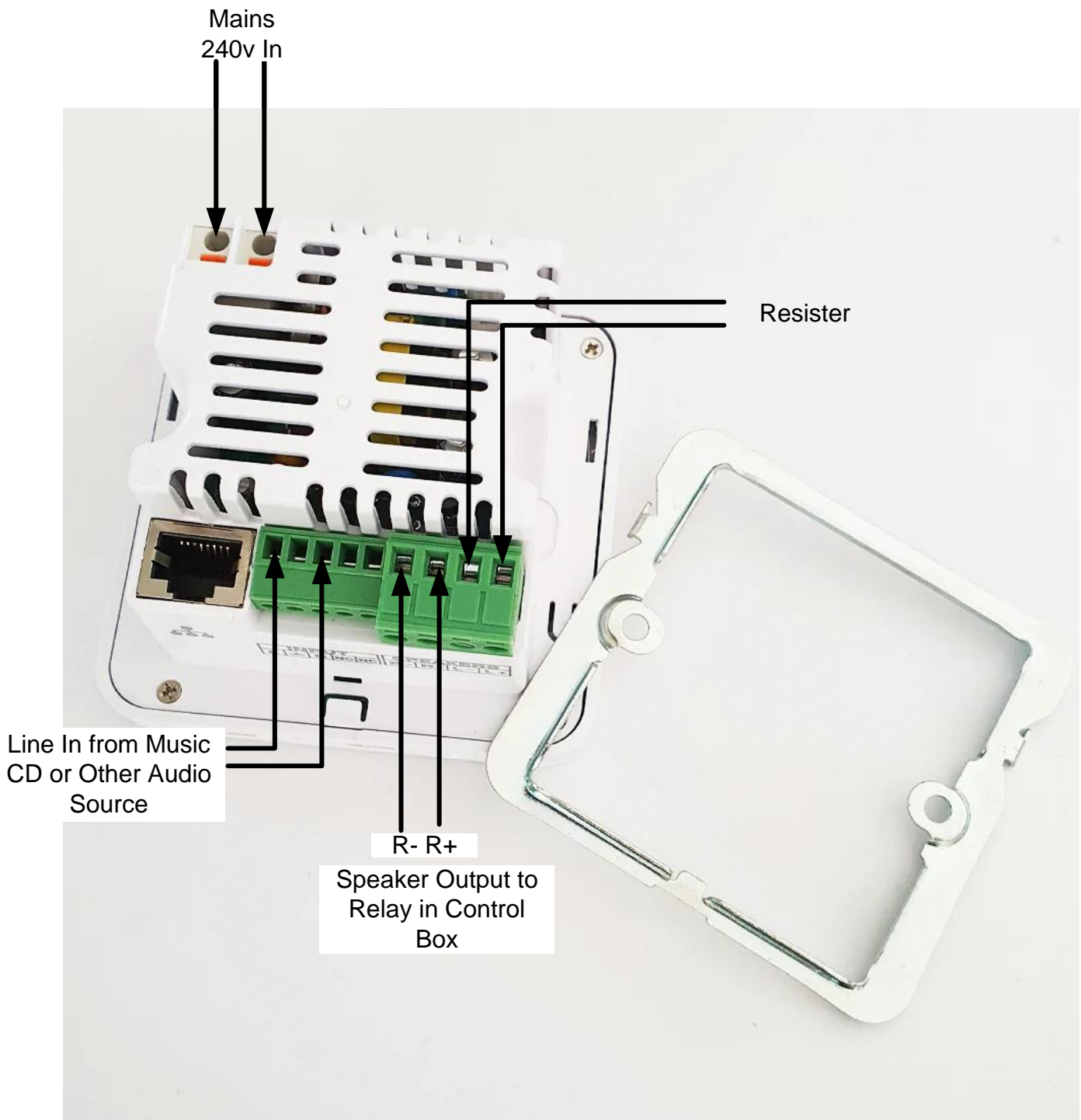Connection from Music Option if fitted

Second Microphone Input if fitted.

Red

Black

Cable Screen

Microphone Connections
Parallel Inputs/Mixed Inputs

**Correct Microphone Cable Must Be Used or Warranty is Void**

Mains
240v In

Resister

Line In from Music
CD or Other Audio
Source

R- R+

Speaker Output to
Relay in Control
Box

- We suggest you use ferrules on the connections.
- The resister must be fitted to the spare speaker output to protect the amplifier.
- Please see the User Instructions for setup

# Loops Music Interface User Instructions



- Music Interface should have the following display, if it doesn't press the "M" button until you have this display.
- When you have this display you should see a blue flashing light in top right corner.
- On you phone go to Settings – select Bluetooth it should then be in discoverable mode.
- "smart audio" should appear as a source, select "smart audio" you will see a screen asking if to "allow" or "don't allow" connection, select "allow"
- The screen will then display as below, and you should have connection.
- Volume might need adjusting on you phone, then adjust the amplifier volume. The amplifier volume is on the top edge of the device.
- The Intercom only works in Mono, so for true sound output select Mono output on your phone. You can get instructions on how to do this on the internet.

P2
Auxiliary Connection

P1
Connection to Control
Box Network Switch