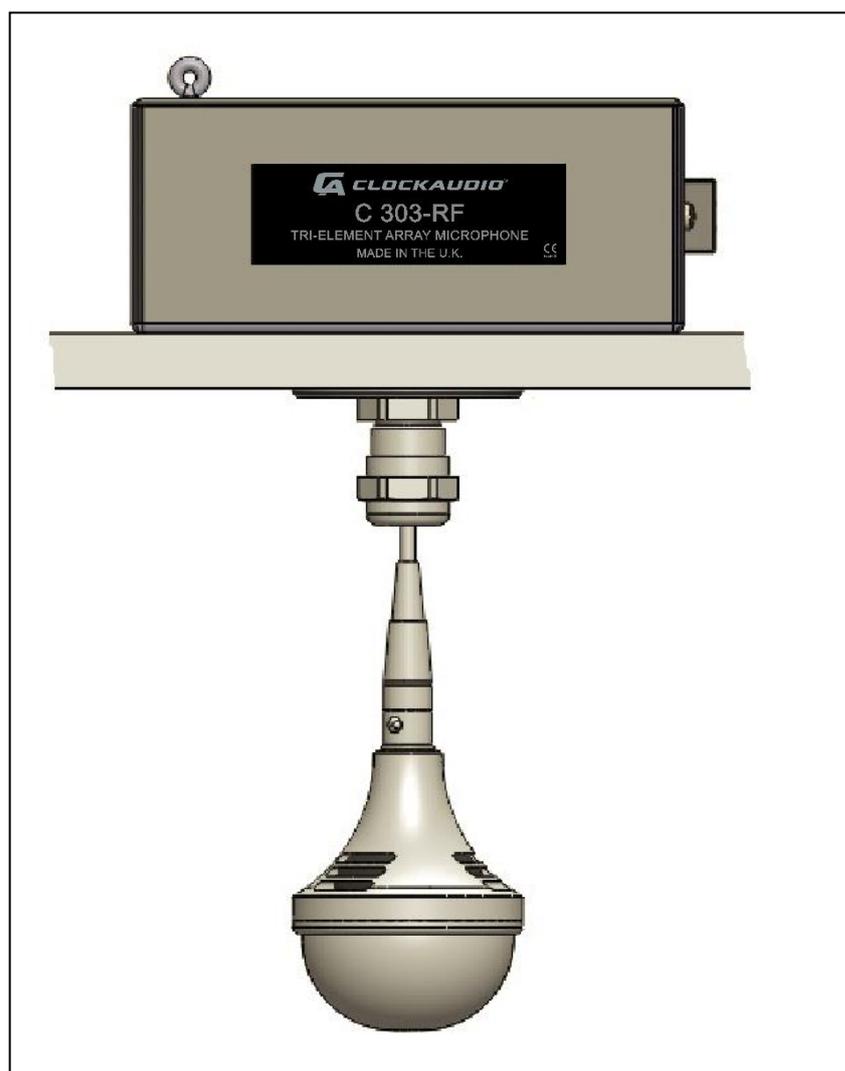




## C 303-RF

### Tri-element Array Microphone Instructions



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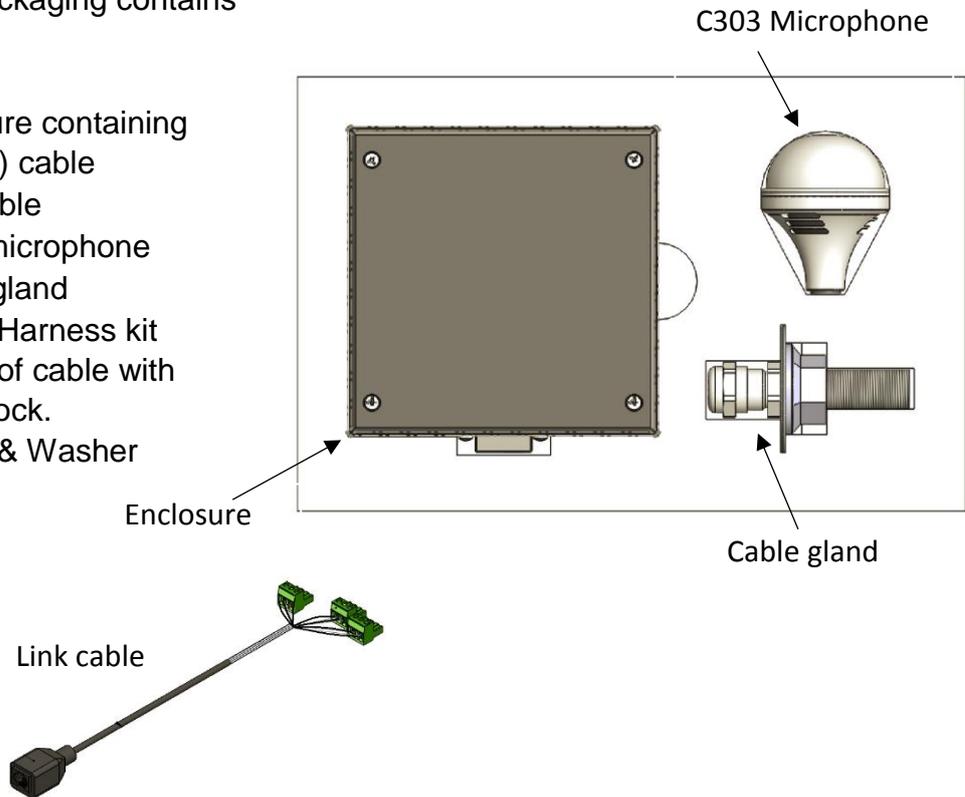
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# 1. C 303-RF Installation Instructions

## 1.1. Packaging

The C 303-RF packaging contains

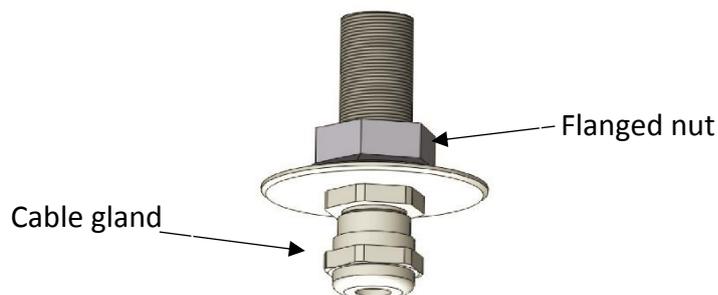
- An enclosure containing a 2.5m (8ft) cable
- 1 x Link cable
- 1 x C303 microphone
- 1 x Cable gland
- 1 x Safety Harness kit consisting of cable with hook and lock.
- M3 Eyelet & Washer



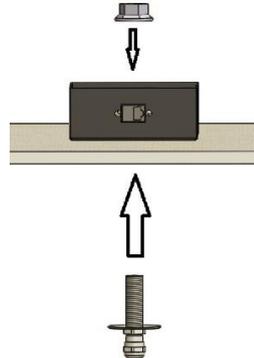
## 1.2. Installation

**NOTE: It may be easier to remove the ceiling tile to install the C 303 microphone**

1. Drill a 16.5mm / 0.65" diameter hole in the ceiling tile.
2. Remove the flanged nut from the cable gland.



3. Open top lid of the enclosure and remove the microphone cable.
4. Position the hole in the bottom of the enclosure over the previously drilled hole in the ceiling.
5. Insert the cable gland, threaded portion, up through ceiling tile and enclosure.



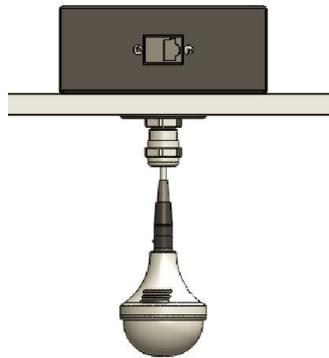
6. Refit the flanged nut to secure the enclosure to the tile.

### 1.3. Electrical connections

1. Pass the supplied multicore cable back up through the locking grommet and pull the cable through until the desired height of the microphone is obtained.
2. Lock the cable in place by rotating the locking grommet clockwise.
3. Coil and loop the spare cable inside the C303-RF enclosure to allow for further height adjustment if required.
4. Connect the cable to the PCB Phoenix block connector details are shown below:

Pin	Connection	
1	SCRN (Screen) Ground (all)	
2	Black Phase – (all)	
3	Red Phase +	
4	Yellow Phase +	
5	White Phase +	

5. Push / connect the microphone to the Mini XLR connector.



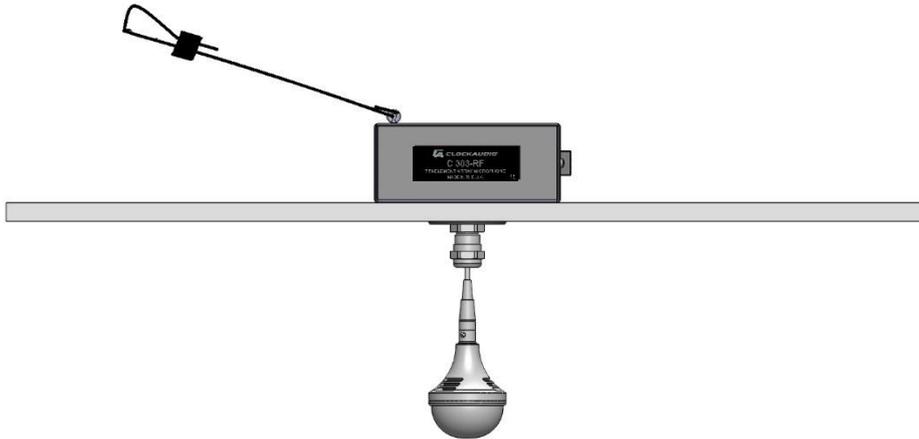
**Warning:** Do not pull on the cable once installation has been completed as there is a potential for damage to a ceiling tile.

6. Connect a straight wired cable (CAT 5, 5e or 6) fitted with an RJ45 to RJ45 Male connector observing 568B wiring standard.
7. Plug the RJ45 into the socket on the ceiling enclosure. **9-48V Phantom power is required.**
8. Connect the other end of the cable to your preferred audio device (mixer / DSP). A link cable is supplied for connection to DSP.

Link cable colour code			Link cable
RJ 45 Pin No.	Cable colour	Function	
1	ORANGE/WHITE	MIC 3 PHASE +	
2	ORANGE	MIC 3 PHASE -	
3	GREEN/WHITE	MIC 2 PHASE +	
4	BLUE	MIC 1 PHASE +	
5	BLUE/WHITE	MIC 1 PHASE -	
6	GREEN	MIC 2 PHASE -	
7	BROWN/WHITE	NOT USED	
8	BROWN	GROUND	

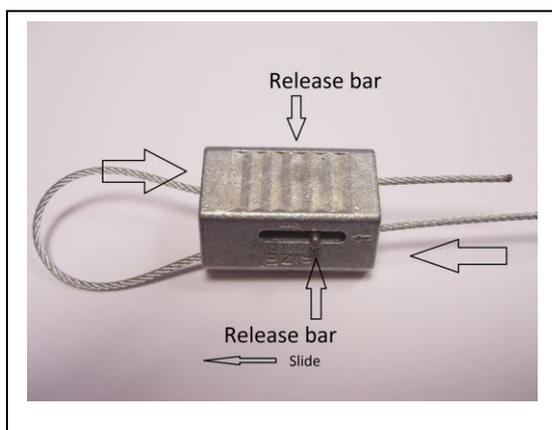
## 2. Safety

**IMPORTANT:** For safety reasons the completed installation should be secured to a ceiling truss or any structure capable of taking 3Kgs (7lbs) this includes the weight of a ceiling tile.



Replace one of the 4 enclosure lid screws with the supplied M3 eyebolt and washer. Attach the supplied safety harness hook to the eyebolt on top of the C 303 metal case and insert the free end of the cable through the entrance hole on the gripper. Attach the other end of the safety cable to a fixed secure structure.

Note: There are 2 types of cable grippers that may be supplied. Both types use same method of cable tensioning and locking. Pass the cable through the gripper as shown below, loop the cable over a secured structure then pass the cable back through the other hole in the gripper and slide / tension the cable through the gripper.



### 3. Product Warranty

Thank you for purchasing a Clockaudio product. We are confident that this product will give you many years of trouble free operation and is backed up with a 2 year warranty.

This product is guaranteed for 24 months from the date of purchase. Any defect that arises due to faulty materials or workmanship will either be replaced, or repaired free of charge by the agent from whom you purchased the unit. Please note charges will be incurred on any product returned for service / repair not in warranty or has been subject to customer abuse or incorrect wiring.

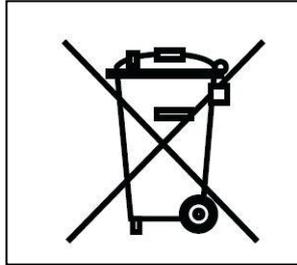
The guarantee is subject to the following provisions:

- The warranty does not cover accidental damage, misuse, cabinet parts, knobs, batteries or consumable items. Any product returned to Clockaudio failing to meet the terms listed will incur a repair and postage charge.
- The product must be correctly installed and operated in accordance with the instructions supplied with the product.
- Unauthorised modifications and alterations to the original specifications will render the warranty void
- The product must be used for the sole purpose that it was designed for.
- The warranty given is strictly with the original owner and becomes invalid if the product is resold or becomes damaged by inexpert repair.
- Product purchased outside of the countries served by Clockaudio designated / approved Agents are not covered by the warranty.
- Specifications / improvements are subject to change without notice.
- Clockaudio disclaims any liability for incidental or consequential damages.
- The warranty is in addition to and does not diminish your statutory legal rights
- As part of a continuous product improvement programme we reserve the right to change specification without prior notice.

CLOCKAUDIO IS NOT RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES INCLUDING LABOUR COSTS FOR REMOVING AND REPLACING DEFECTIVE PRODUCTS OR PARTS. THIS DOES NOT AFFECT YOUR STATUTORY RIGHTS.

## 4. Disposal of Unit

At the end of the life of this equipment, dispose of equipment according to local regulations



For more information and advice on Clockaudio products please look on Clockaudio website: [www.clockaudio.com](http://www.clockaudio.com)

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