

INDUCTION LOOP

Modular 4000 Series & VR4K Series



4846/IND



VR4KIND

Installation Guide

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DECLARATION OF RESPONSIBILITY

This technical manual has been written and revised carefully. The guidance and the descriptions which are included in it are in reference to VIDEX parts and are correct at the time of print. However, subsequent VIDEX parts and technical manuals, can be subject to changes without prior notice. **VIDEX Electronics S.P.A.** and **VIDEX Security Ltd (UK)**. cannot be held responsible for damages caused directly or indirectly by errors, omissions or discrepancies between the VIDEX parts and the technical manual.

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Introduction

GENERAL INFORMATION

The information in this installation guide is intended to give an introduction to the 4000 series and VR4K series Induction Loop module, and to show how to connect the Induction Loop to any of the following 4000 series, VR4K series and other VR digital speaker modules.

Audio 4000 Series modules: Art.4836, Art.4837, Art.4838, Art.4204, Art.4304, Art.4504, Art.4810, Art.4202 (digital series) and Art.4302 (digital series).

Audio/Video 4000 Series modules: Art.4833, Art.4284, Art.4384 and Art.4534.

VR4K Series modules: Art.VR4KAM (136 speaker), Art.VR4KAM2W (138 speaker), Art.VR4KAMK (140 speaker) and Art.VR4KGSM (150 speaker).

VR4K Digital Series: Art.4212 series digital panels (audio and video versions), Art.4312 series digital panels and Art.4812 series digital GSM panels.

ⓘ IMPORTANT NOTE: This installation guide should be read carefully before the installation commences. Any damage caused to the equipment due to faulty installation where the information in this guide has not been followed is not the responsibility of VIDEX Security Ltd (UK).

⚠ FURTHER MORE IT IS RECOMMENDED THAT THE INDUCTION LOOP IS INSTALLED BY A COMPETENT ELECTRICIAN, SECURITY INSTALLATION OR COMMUNICATIONS ENGINEER.

VIDEX run free training courses for installers and engineers who are unfamiliar or who have not installed this product before. Technical help is also available on tel: **0191 224 3174** during office hours (8:30am - 5:00pm MON to FRI) or via e-mail: **tech@videxuk.com**.

PRODUCT INTRODUCTION

To meet DDA requirements and the **Equality Act.2010** the Induction Loop module can connect to the various VIDEX amplifier speaker modules listed above and allow users with a hearing aid to set their device to the **T** position enabling them to hear the conversation from the intercom panel.

The induction loop works by creating a magnetic field that amplifies sound, allowing hearing aid users to focus on the audio without background noise. When a hearing aid is set to the **T** position, it connects to the induction loop system, which transmits sound directly to the hearing aid, enhancing communication in noisy environments.

There are two induction loop modules available: **Art.4846/IND** (for use with the 4000 Series modules) and the **Art.VR4KIND** (for use with the VR4K Series modules).

Each induction loop module comprises of an **IL-A42** induction loop pcb with fitted coil and an accompanying induction loop pack.

INDUCTION LOOP PACK

The induction loop pack should contain the following parts:

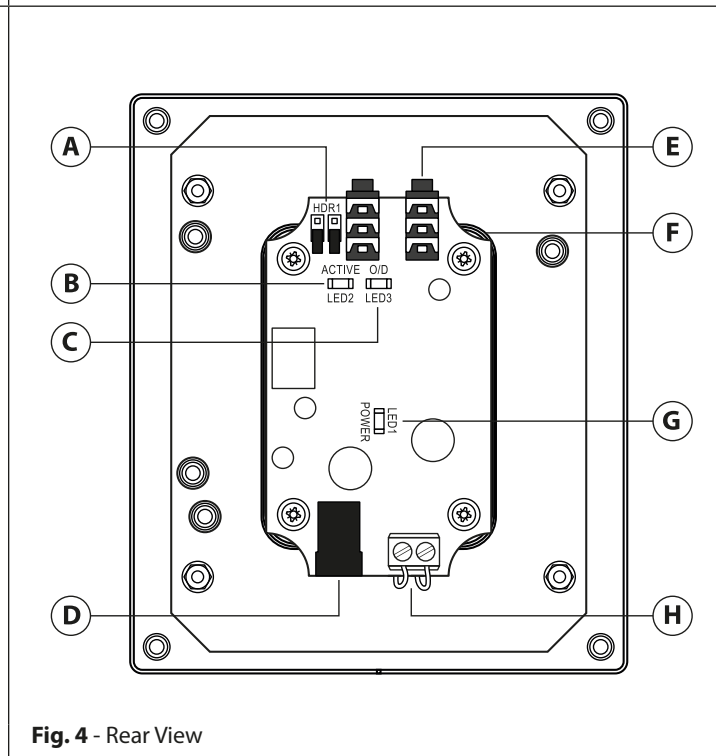
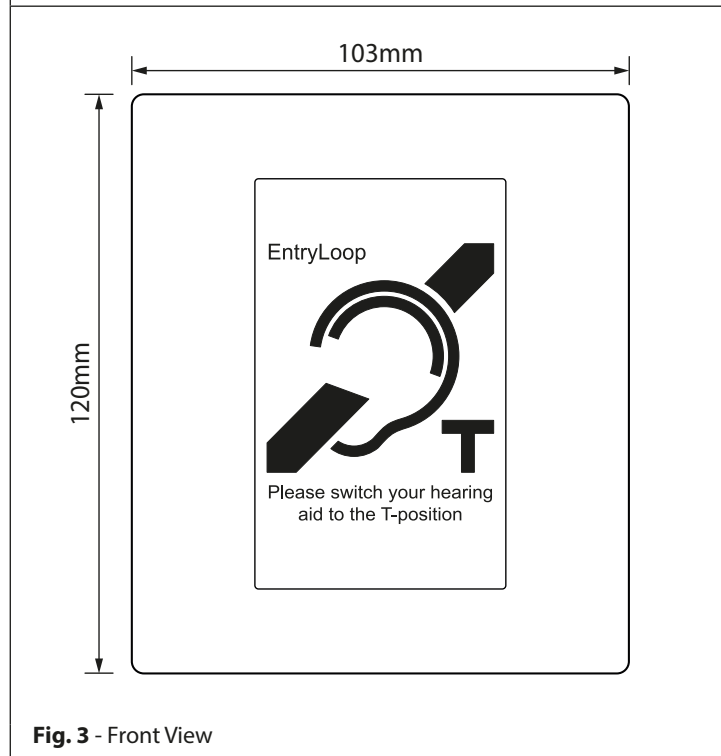
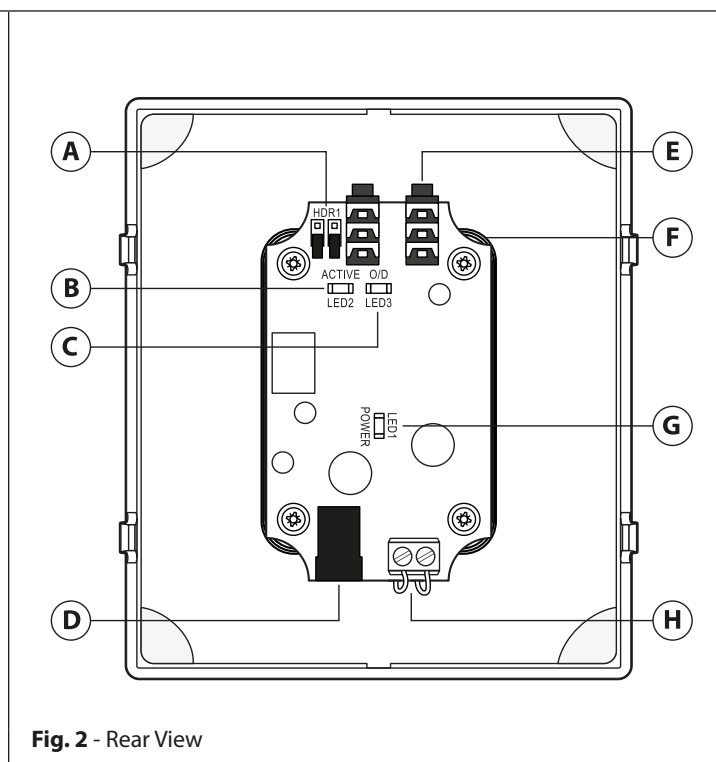
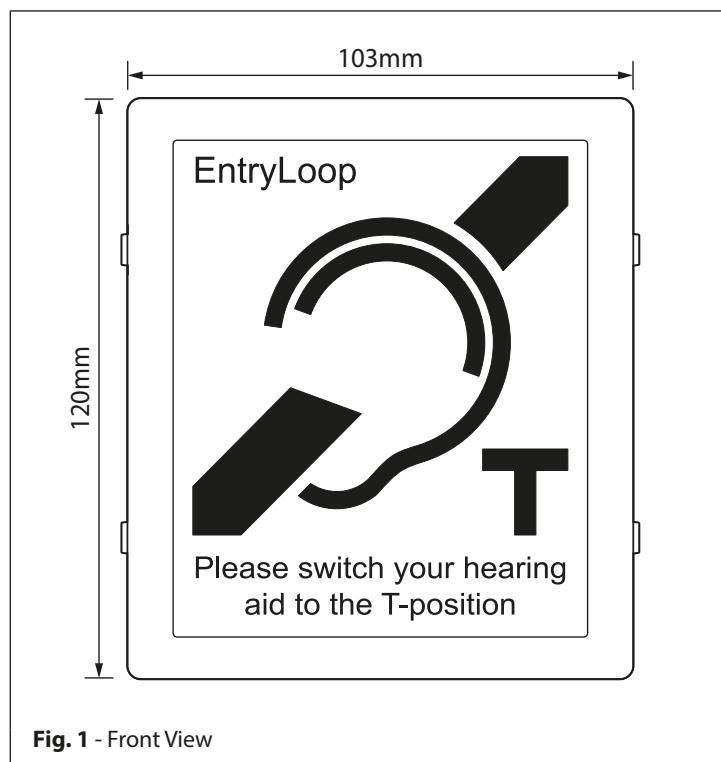
- 12Vdc power cable.
- Red/Blue, 4mm female bullet connector speaker cable.
- Black/Blue, 4mm male bullet connector audio cable with 3mm jack input.
- 2x Scotchlok™ 3 way butt connector.
- 4K series adhesive gasket (for the **Art.4846/IND** module only).
- 2x VR4K series frame mounting brackets, 4xM3 fixing screws (for the **Art.VR4KIND** module only).

USER OPERATION

The end user must set their hearing aid to the **T** position and stand within close proximity of the induction loop module (typically up to 50cm away).

Technical Information

ART. 4846/IND AND ART. VR4KIND INDUCTION LOOP MODULES



DESCRIPTION

The induction loop modules **Art.4846/IND** (**Fig.1 & Fig.2**) and the **Art.VR4KIND** (**Fig.3 & Fig.4**) can be integrated with the full range of VIDEX door entry intercom systems: traditional VIDEX audio and video systems, digital systems, GSM audio series and IP video series systems. They have been designed to assist users with hearing aids by enabling them to hear conversations clearly from intercom panels. The modules are compatible with the 4000 series front support frames (for both the surface and flush back box variations).

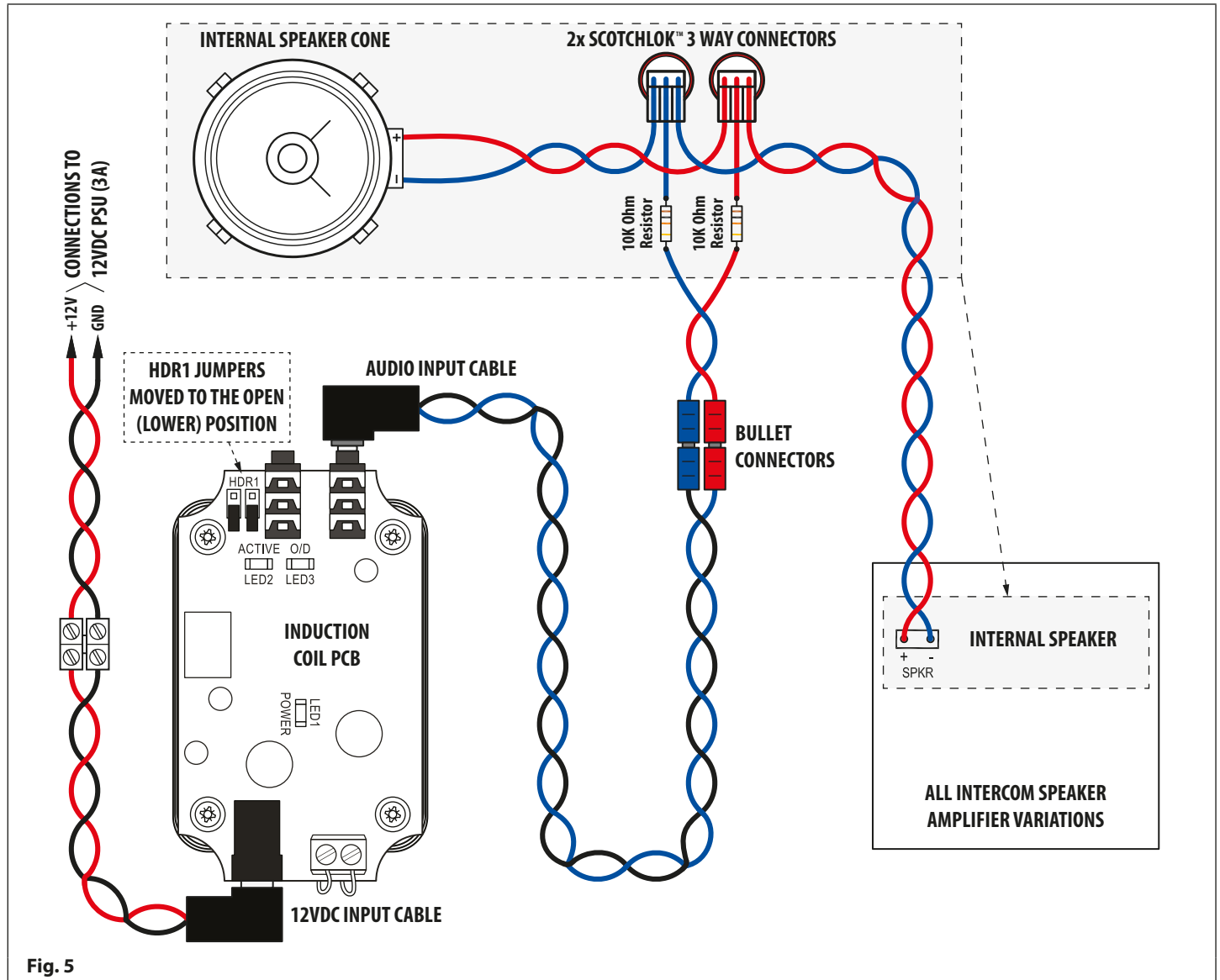
LEGEND

- (A) HDR1 drive jumpers.
- (B) LED2 - active indicator LED.
- (C) LED3 - overdrive indicator LED.
- (D) J1, 2.1mm, 12Vdc power input.
- (E) J2, 3.5mm, audio input from speaker.
- (F) Induction coil.
- (G) LED1 - power indicator LED.
- (H) Coil input terminals.

Technical Information

WIRING DIAGRAM

Fig.5 below shows the wiring connections from the induction loop pcb to any of the VIDEX speaker modules listed on page 3.



TECHNICAL SPECIFICATION

Supply voltage: 12Vdc power.
Standby current: 50mA (approx.).
Operating current: 2A (min.).
Dimensions (mm): 103 (W) x 120 (L) x 38 (D),
 (for both Art.4846/IND and Art.VR4KIND).

Gain control: Yes, automatic gain control self adjusts to accommodate variations in input level.
Standards: Induction Loop performance in compliance with **BS EN60118-4** (when installed correctly).
WEEE compliant.

Mounting Instructions

MOUNTING THE ART. 4846/IND INDUCTION LOOP MODULE

1. Remove the Art.4846/IND module from the packaging.
2. Take the 4000 series adhesive gasket (**Fig.6, (A)**) supplied in the induction loop pack and remove the thin film.
3. Fit the adhesive gasket to the top side of the module (adhesive side down), as shown in **Fig.6, (B)**.
4. Feed the Art.4846/IND module into the front side of the 4000 series support frame, as shown in **Fig.7, (C)**.
5. Use the 4 side clips on the module (**Fig.7, (D)**) to secure the induction loop in place, as shown in **Fig.7, (E)**.

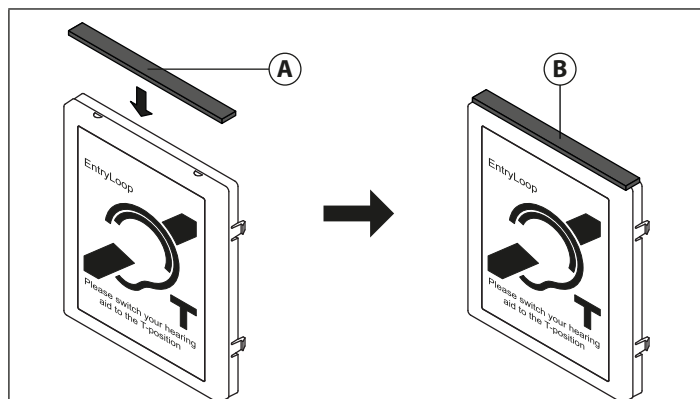


Fig. 6

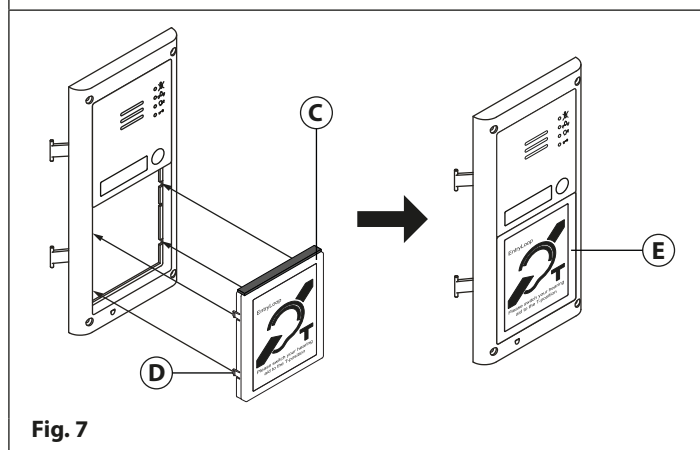


Fig. 7

MOUNTING THE ART. VR4KIND INDUCTION LOOP MODULE

1. Remove the Art.VR4KIND module from the packaging.
2. Take the Art.VR4KIND module and feed it into the front side of the 4000 series support frame, as shown in **Fig.8, (A)**.
3. Fit the induction loop module in place, ensuring the outer gasket seal on the module, **Fig.8, (B)**, is firmly secure within the frame, as shown in **Fig.8, (C)**.
4. Take the VR4K series mounting brackets, **Fig.9, (D)**, and the 4xM3 fixing screws, **Fig.9, (E)**.
5. From the inside of the front frame use the M3 fixing screws to attach the mounting brackets (2 screws per bracket and one screw in each corner) and secure the induction loop module in place, as shown in **Fig.9, (F)**.

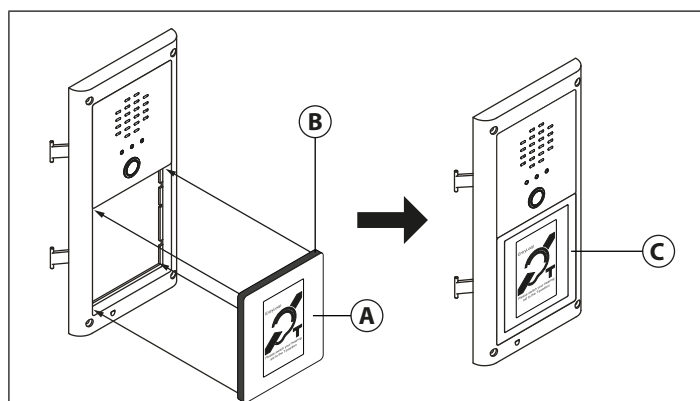


Fig. 8

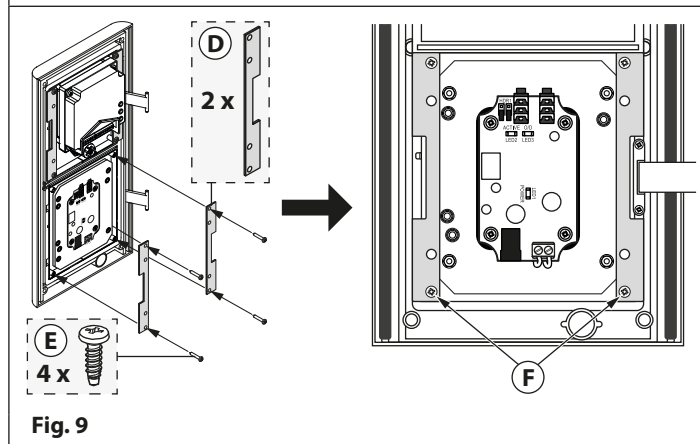


Fig. 9

Connecting the Induction Loop to a Speaker

CONNECTING THE ART. 4846/IND TO A 4000 SERIES SPEAKER

The following steps show how to connect the **Art.4846/IND** induction loop module to a 4000 series speaker module (in the examples an **Art.4836** speaker is shown). These same steps can also be followed when connecting the induction loop module to any of the 4000 series audio/video modules listed on page 3.

1. First ensure that any power connections are disconnected from the 4000 series speaker module and disconnect any other wires from the speaker terminals.
2. If it hasn't already been done, remove the 4000 series speaker module from the front support frame.
3. Unclip the front metal speaker fascia from the module's back plastic to open up the module, as shown in **Fig.10, A**.
4. Take a pair of wire cutters and cut the **red** and **blue** speaker wires, as shown in **Fig.11, B**.
5. Unscrew the main pcb screw in the middle of the speaker pcb in order to manoeuvre the pcb inside the back plastic (**do not remove the pcb**), refer to **Fig.12, C**.
6. Take the **red/blue** female connector cable and feed it through the underside of the speaker pcb, coming in from the right hand side of the speaker terminals (the ends of the **red** and **blue** wires will eventually come out at the top end of the pcb) as shown in **Fig.12, D**.
7. Take one of the **Scotchlok™** 3 way butt connectors with the transparent side facing, **Fig.13, E**.
8. Next take the **red** wires from the speaker and the speaker pcb, **Fig.13, F**, and the **red** wire from the **red/blue** female connector cable, **Fig.13, G**.
9. Feed each **red** wire in turn into one of the connector barrels on the **Scotchlok™** 3 way butt connector, refer to **Fig.13, H**.
10. When feeding the **red** wires into the **Scotchlok™** 3 way butt connector they should be pushed all the way to the end of the connector barrel as far as they will go, this can be seen through the transparent side of the connector, **Fig.13, E**.
11. Once the three **red** wires are in position use a pair of pliers, **Fig.14, I** and place them over the **red** cap of the **Scotchlok™** 3 way butt connector and the transparent side and apply pressure to crimp the wires into place, as shown in **Fig.14, I**.
12. When crimping the wires into the **Scotchlok™** 3 way butt connector check that the wires are firmly held in position and do not slip out of the barrels.
13. Repeat steps 7 - 12 with the **blue** speaker wires and the **blue** wire from the **red/blue** female connector cable.
14. Once both **Scotchlok™** 3 way butt connectors have been crimped, tighten up the speaker pcb screw, **Fig.12, C**, to secure the speaker pcb back onto the back plastic. Replace the wire assembly back into the back plastic as well, as shown in **Fig.15, K**.

IMPORTANT NOTE: There is enough room between the speaker pcb and the front metal fascia to accommodate the wires. When fitting to a 4000 series audio/video camera module extra care should be taken when manoeuvring the wire assembly to avoid obstructing the camera lens.

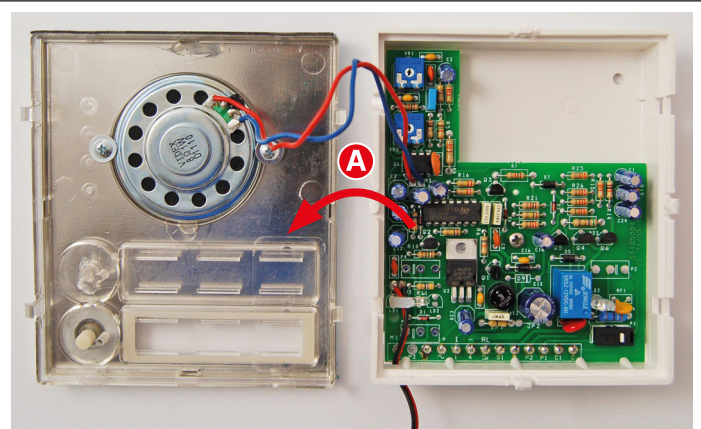


Fig. 10

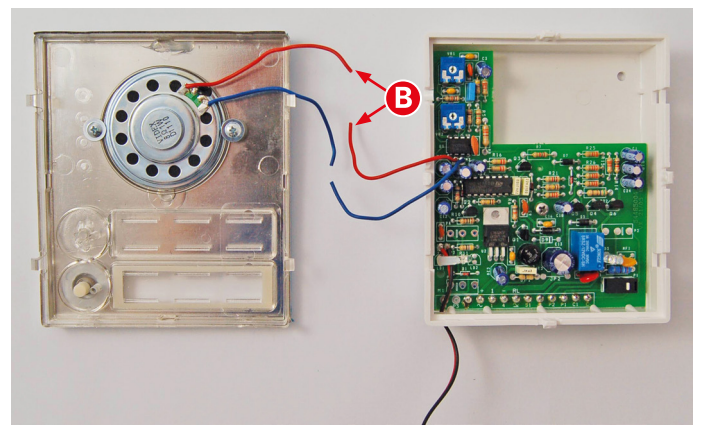


Fig. 11

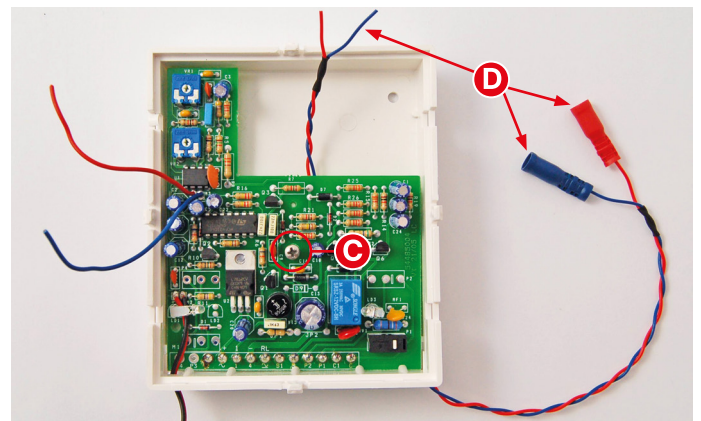


Fig. 12

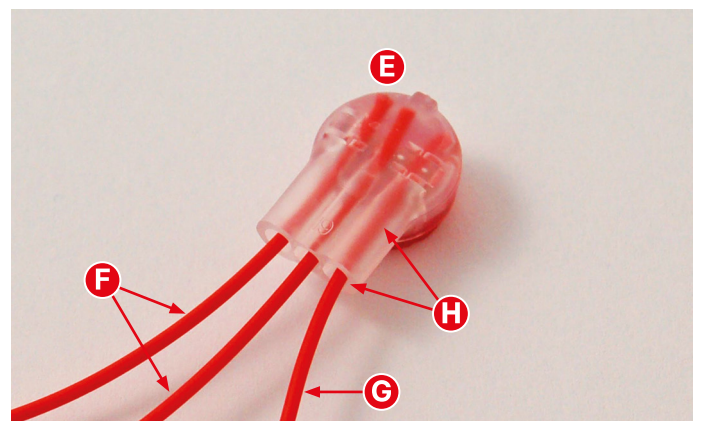


Fig. 13

Connecting the Induction Loop to a Speaker

15. Finally clip the front metal fascia back onto the back plastic. The **red/blue** female connector cable should now be trailing out of the bottom corner of the 4000 speaker module, as shown in **Fig.16, L**.
16. Next take the 12Vdc power cable and plug it into the power plug-in terminal at the bottom of the Induction Loop, as shown in **Fig.17, M**.
17. Next take the **blue/black** audio cable and plug it into the audio jack input at the top right of the Induction Loop, as shown in **Fig.18, N**.
18. Finally clip the **red** male/female bullet connectors (see **Fig.19, O**) and the **blue** male/female bullet connectors (see **Fig.19, P**) together.

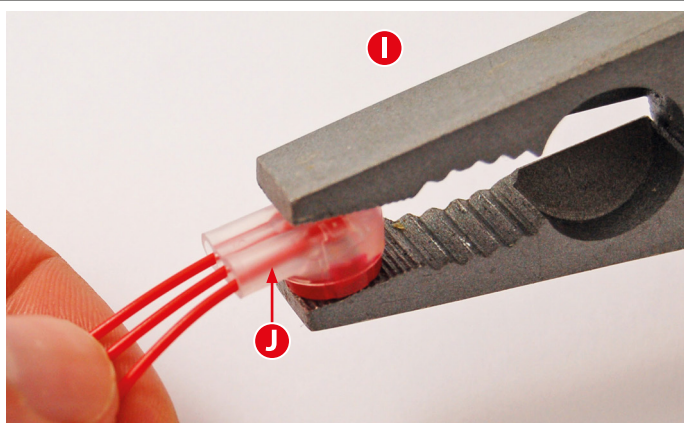


Fig. 14

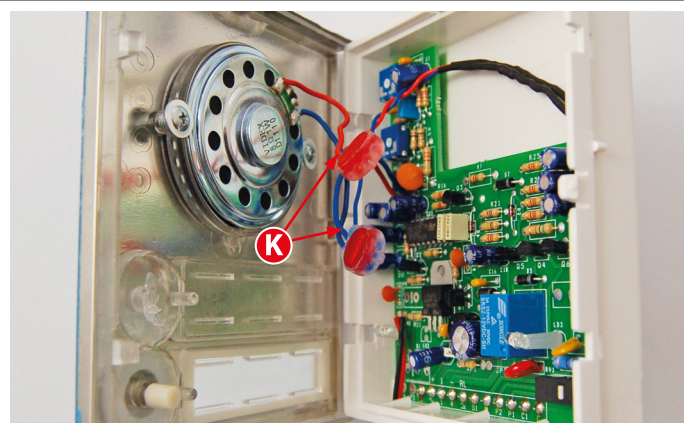


Fig. 15

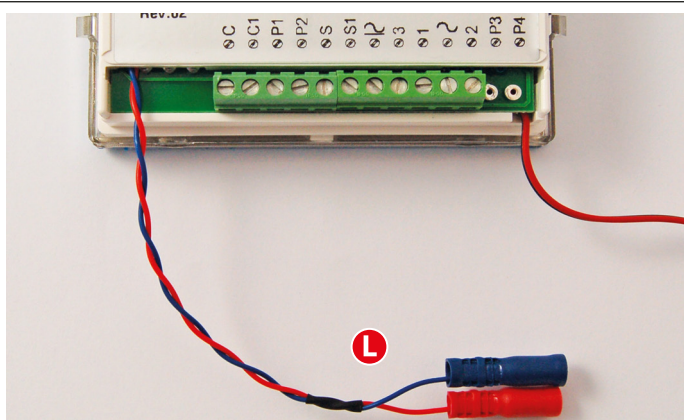


Fig. 16

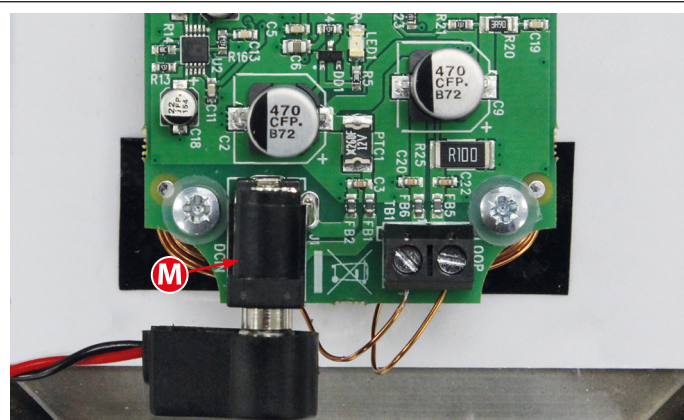


Fig. 17

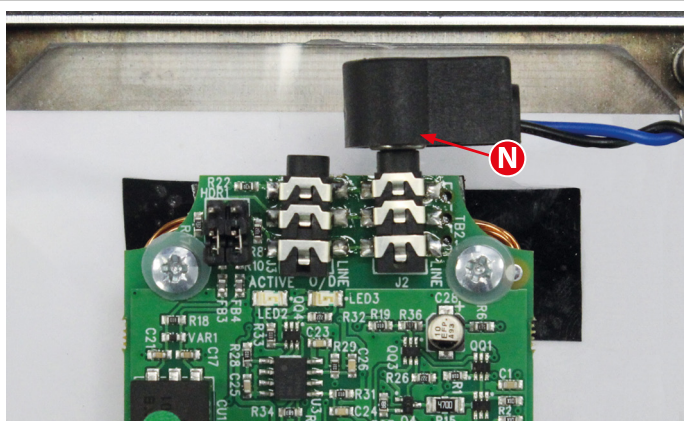


Fig. 18

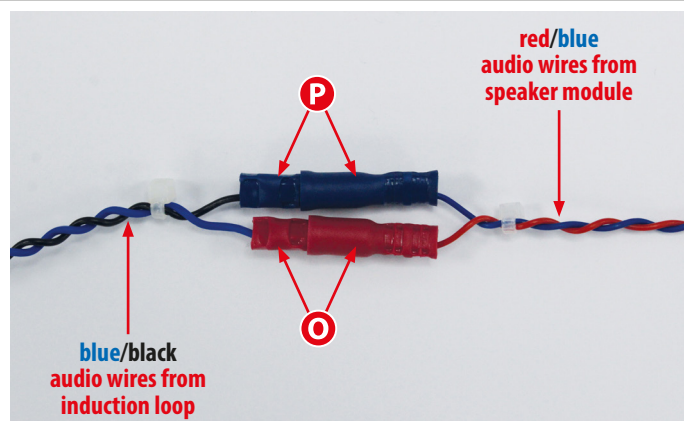


Fig. 19

❗ IMPORTANT NOTE: In step 18 above please pay particular attention to the colour coding of the male/female bullet connectors as the audio cable (**blue/black** wires) from the induction loop and the **red/blue** wires from the audio speaker module must be connected based on the **red/blue** colours of the bullet connectors and not based on the colours of the wires, as seen in Fig.19.

Connecting the Induction Loop to a Speaker

CONNECTING THE ART. VR4KIND TO A VR4K SERIES SPEAKER

The following steps show how to connect the Art.VR4KIND induction loop module to a VR4K series speaker module (in the examples an Art.VR4KAM (136) is shown). These same steps can also be followed when connecting the induction loop module to any of the VR4K series audio modules listed on page 3.

1. First ensure that any power connections are disconnected from the VR4K series speaker module and disconnect any other wires from the speaker terminals.
2. Locate and then unscrew and remove the four M3x12 back speaker plastic retaining screws, as shown in **Fig.20, A**.
3. Next remove the back speaker plastic from the main speaker pcb, as shown in **Fig.21**.
4. Remove the main speaker pcb from the front speaker plastics, then take a pair of wire cutters and cut the **red** and **blue** speaker wires (approx. halfway across), as shown in **Fig.22, B**.
5. Take one of the **Scotchlok™** 3 way butt connectors with the transparent side facing, **Fig.23, C**.
6. Next take the **red** wires from the speaker and the speaker pcb, **Fig.23, D**, and the **red** wire from the **red/blue** female connector cable, **Fig.23, E**.
7. Feed each **red** wire in turn into one of the connector barrels on the **Scotchlok™** 3 way butt connector, refer to **Fig.23, F**.
8. When feeding the **red** wires into the **Scotchlok™** 3 way butt connector they should be pushed all the way to the end of the connector barrel as far as they will go, this can be seen through the transparent side of the connector, **Fig.23, C**.
9. Once the three **red** wires are in position use a pair of pliers, **Fig.24, G** and place them over the **red** cap of the **Scotchlok™** 3 way butt connector and the transparent side and apply pressure to crimp the wires into place, as shown in **Fig.24, H**.
10. When crimping the wires into the **Scotchlok™** 3 way butt connector check that the wires are firmly held in position and do not slip out of the barrels.
11. Repeat steps 6 - 10 with the **blue** speaker wires and the **blue** wire from the **red/blue** female connector cable.
12. Once both **Scotchlok™** 3 way butt connectors have been crimped place the **red/blue** wire assembly back into the front speaker plastics, as shown in **Fig.25, I**.
13. When placing the **Scotchlok™** 3 way butt connectors back into the front speaker plastics follow it up with the main speaker pcb and ensure that the **red/blue** wires from the connectors lead out from the topside of the front speaker plastics and main speaker pcb, as shown in **Fig.25, J**.
14. Once the main speaker pcb has been replaced over the **red/blue** wire assembly, fold over the remaining **red/blue** wires over the topside of the pcb and run them down the length of the pcb, as shown in **Fig.26, K**.

ⓘ IMPORTANT NOTE: There is enough room between the front speaker plastics and the main speaker pcb to accommodate the wires and connectors. Extra care should be taken when manoeuvring the wire assembly to avoid knocking or obstructing the speaker LED's on the main pcb.

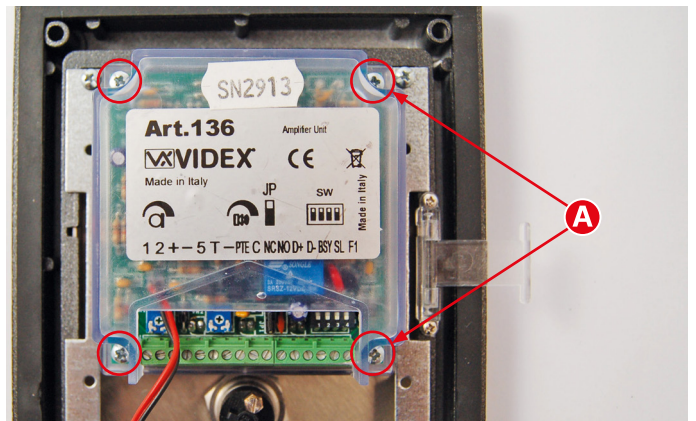


Fig. 20

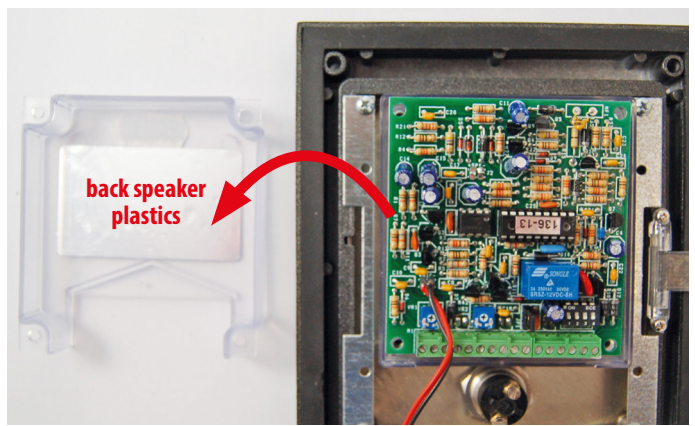


Fig. 21

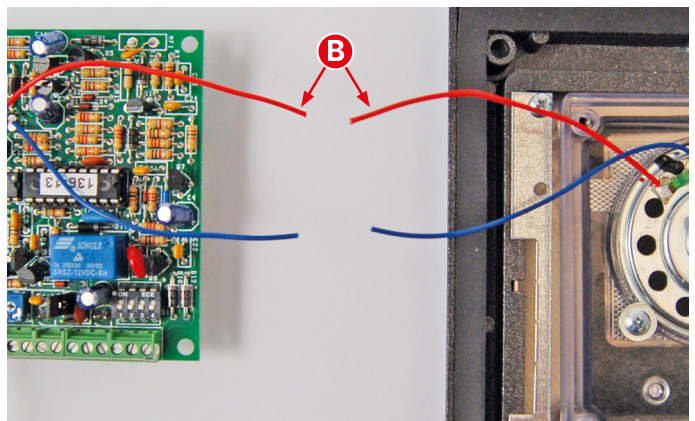


Fig. 22

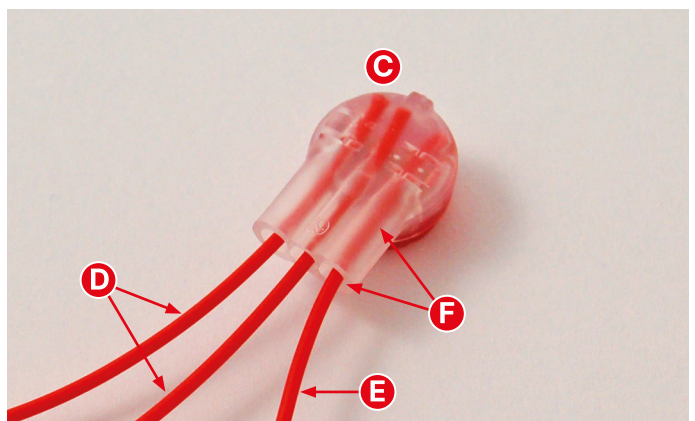


Fig. 23

Connecting the Induction Loop to a Speaker

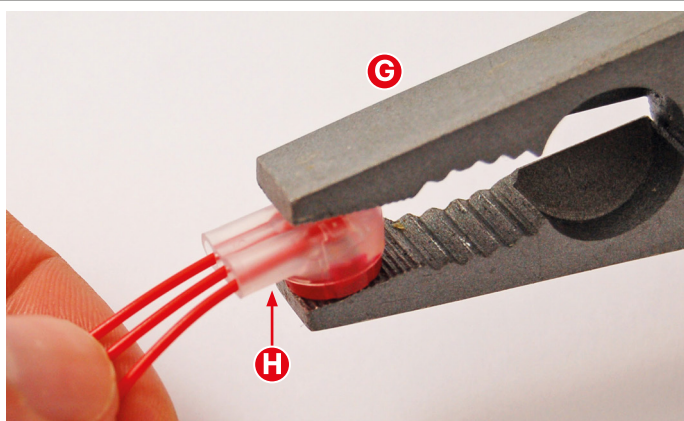


Fig. 24

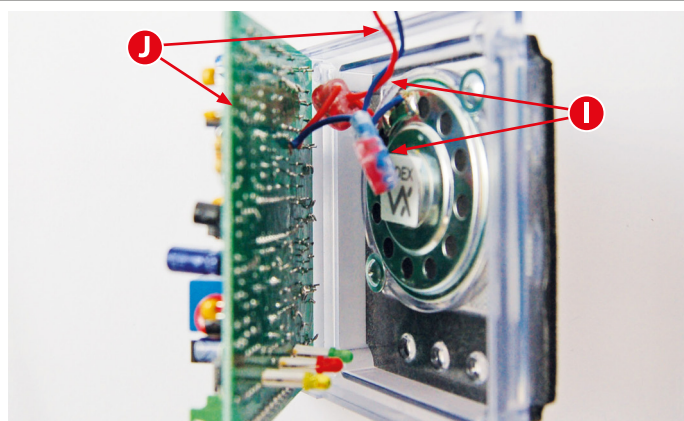


Fig. 25

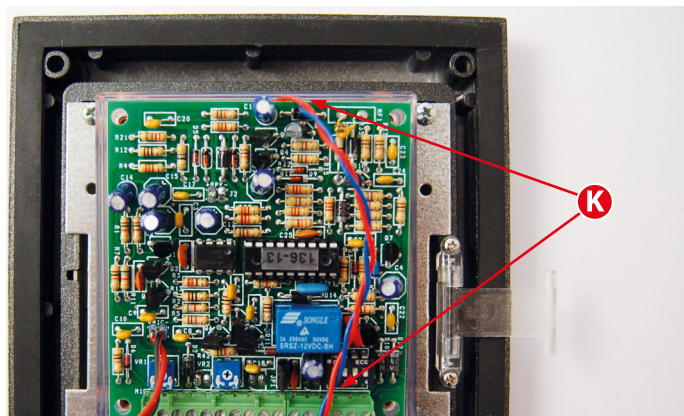


Fig. 26

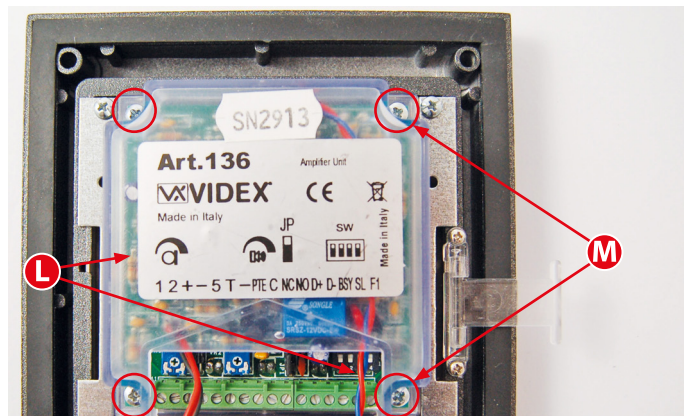


Fig. 27

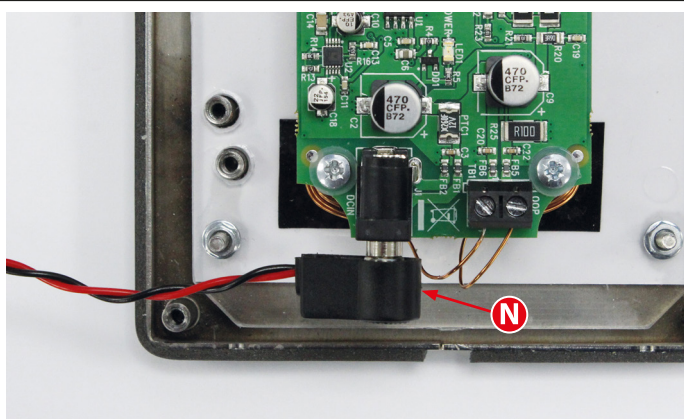


Fig. 28

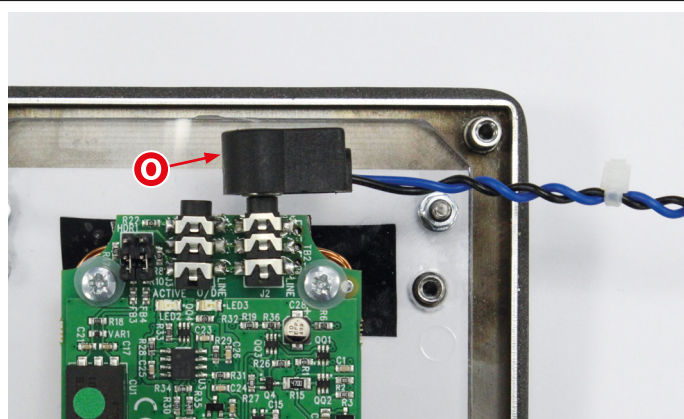


Fig. 29

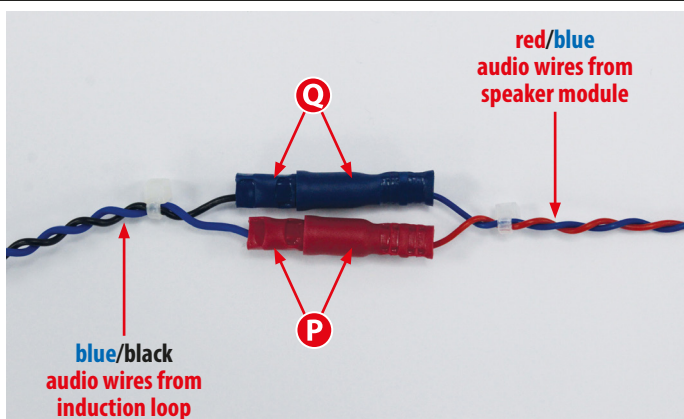


Fig. 30

Connecting the Induction Loop to a Speaker

15. Next replace the back speaker plastics into its original position over the main speaker pcb. Ensure that the **red/blue** wires feed down pass the green pcb terminals along the bottom edge of the pcb, as shown in **Fig.27, L**.
16. Secure the back speaker plastics into position with the original four M3x12 retaining screws, as shown in **Fig.27, M**.
17. Next take the 12Vdc power cable and plug it into the power plug-in terminal at the bottom of the Induction Loop, as shown in **Fig.28, N**.
18. Next take the **blue/black** audio cable and plug it into the audio jack input at the top right of the Induction Loop, as shown in **Fig.29, O**.
19. Finally clip the **red** male/female bullet connectors (see **Fig.30, P**) and the **blue** male/female bullet connectors (see **Fig.30, Q**) together.

i IMPORTANT NOTE: In step 19 above please pay particular attention to the colour coding of the male/female bullet connectors as the audio cable (**blue/black** wires) from the induction loop and the **red/blue** wires from the audio speaker module **must be connected based on the red/blue** colours of the bullet connectors and not based on the colours of the wires, as seen in **Fig.30**.

Troubleshooting

INDUCTION LOOP OPERATION

The induction loop, **Fig.31**, has been designed to be left unattended once it has been correctly installed and powered **ON**. It is important that the induction loop module is powered by a separate 12Vdc, 3A (min.) power supply.

ⓘ IMPORTANT NOTE: Before powering up the induction loop for the first time please ensure that the HDR1 drive jumpers are set in the OPEN (lower) position as shown in **Fig.2 (A)** and **Fig.4 (A)** on page 4, also the wiring diagram **Fig.5** on page 5 and **Fig.31 (A)**. When the induction loop module is packaged for distribution these are set to the CLOSED position (covering the pins) for protection during carriage.

LED1 - POWER indicator: **Fig.31 (B)**, if this LED is constantly **ON (red)** then this indicates there is 12Vdc power to the induction loop.

LED2 - ACTIVE indicator: **Fig.31 (C)**, if the induction loop is being driven correctly then this LED will illuminate (**green**) to indicate that a steady signal is passing through.

LED3 - OVERDRIVE: **Fig.31 (D)**, if the audio signal level increases through the induction loop this LED will start to illuminate (**red**) and get brighter in intensity. If it shows a continuous red then the drive level is too high and audio distortion will occur.

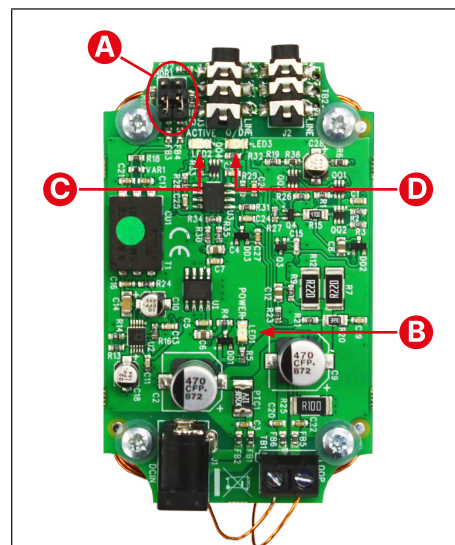


Fig. 31

TROUBLESHOOTING GUIDE

SYMPTOM	POSSIBLE FAULT	ACTION
LED1 OFF	PSU disconnected or failed.	Investigate power supply.
LED1 ON, other LED's OFF	No audio input.	Check audio cable (blue/black wires).
LED1 ON, LED2 flickering or steady, LED3 OFF or occasionally flickers.	Correct operation, although audio input could be a bit low.	Increase audio level if possible, try turning up the speaker POT on the audio amplifier (this is dependent on the speaker connected to).
LED1 ON, LED2 flickering or steady, LED3 flickers regularly.	Normal operation.	No action required.
LED1 ON, LED2 steady, LED3 continuously ON.	Excessive audio input. Danger of distortion or overheating.	Reduce audio level, try turning down the speaker POT on the audio amplifier (this is dependent on the speaker connected to).
LED1 ON, LED2 OFF, LED3 continuously ON.	Induction loop disconnected, open circuit or incorrect specification.	Investigate the induction loop and its connections, check that it is connected to the audio amplifier correctly.
Interference (i.e. buzzing, whistling or hissing) is heard through the induction loop.	Unscreened or poorly earthed 3rd party equipment is being used or in close proximity, incorrect PSU being used.	Switch OFF the 3rd party equipment to identify the source of interference.

Notes

[illegible]

This image shows a full page of a handwriting practice worksheet. It consists of multiple sets of three horizontal dashed lines, providing a guide for letter height and placement. The lines are evenly spaced across the entire page, which is otherwise blank.

ENG DISPOSAL

In accordance with the Legislative Decree no. 49 of 14 March 2014 "Implementation of the Directive 2012/19/EU on waste electrical and electronic equipment (WEEE)".

The crossed-out bin symbol on the equipment or on the packaging indicates that when the product reaches the end of its lifetime, it must be collected separately from mixed municipal waste. The user must, therefore, dispose of the equipment at the end of its lifetime in the suitable waste collection centres or bring it to the retailer during the purchase of a new equipment of equivalent type at the ratio of one-to-one. Furthermore, the user is allowed to dispose of the WEEEs of very small size (domestic appliances without any external dimension exceeding 25 cm (9.84 inches) for free to the retailers, without any purchase obligation. The correct waste disposal of the WEEEs contributes to their reuse, recycling and recovery and avoids potential negative effects on the environment and human health due to the possible presence of dangerous substances within them.

**ITA SMALTIMENTO**

Ai sensi del Decreto Legislativo 14 marzo 2014, n° 49 "Attuazione della direttiva 2012/19/UE sui rifiuti di apparecchiature elettriche ed elettroniche (RAEE)".

Il simbolo del cassonetto barrato riportato sull'apparecchiatura o sulla sua confezione indica che il prodotto alla fine della propria vita utile deve essere raccolto separatamente dagli altri rifiuti urbani misti. L'utente dovrà, pertanto, conferire l'apparecchiatura giunta a fine vita presso gli idonei centri di raccolta differenziata oppure riconsegnarla al rivenditore al momento dell'acquisto di una nuova apparecchiatura di tipo equivalente, in ragione di uno a uno. L'utente ha, inoltre, la possibilità di conferire gratuitamente presso i distributori, senza alcun obbligo di acquisto, per i RAEE di piccolissime dimensioni (per le apparecchiature di tipo domestico con nessuna dimensione esterna superiore a 25 cm).

L'adeguata raccolta differenziata dei RAEE contribuisce al loro riutilizzo, riciclaggio e recupero ed evita potenziali effetti negativi sull'ambiente e sulla salute umana dovuti alla eventuale presenza di sostanze pericolose al loro interno.

FRA ÉLIMINATION

Conformément au décret législatif n° 49 du 14 mars 2014 relatif à l'« Application de la directive 2012/19 / UE relative aux déchets d'équipements électriques et électroniques (DEEE) ».

Le symbole de la poubelle barrée sur l'équipement ou sur son emballage indique que le produit en fin de vie utile doit être collecté séparément des autres déchets municipaux en mélange. L'utilisateur doit donc remettre l'équipement en fin de vie aux centres de collecte appropriés ou le restituer au revendeur lors de l'achat d'un nouveau type d'équipement équivalent, dans le rapport de un à un. De plus, l'utilisateur a la possibilité de conférer gratuitement aux distributeurs, sans aucune obligation d'achat, de très petits DEEE (pour les appareils ménagers sans dimensions extérieures supérieures à 25 cm). La collecte séparée adéquate des DEEE contribue à leur réutilisation, leur recyclage et leur valorisation et évite les éventuels effets négatifs sur l'environnement et la santé humaine en raison de la présence possible de substances dangereuses dans ceux-ci.

SPA ELIMINACIÓN

De conformidad con el Decreto legislativo n. 49 de 14 de marzo 2014 "Aplicación de la Directiva 2012/19/UE relativa a residuos de aparatos eléctricos y electrónicos (RAEE)".

El símbolo del contenedor tachado indicado sobre los aparatos o sobre los embalajes señala que el producto al final de su vida útil debe ser recogido separadamente de otros residuos municipales mezclados. Por tanto, el usuario deberá conferir los aparatos al final de su vida útil en los apropiados centros de recogida selectiva o devolverlos al revendedor al momento de la compra de nuevos aparatos equivalentes, en una relación de uno a uno. Además, el usuario tiene la posibilidad de entregar sin cargo a los distribuidores, sin ninguna obligación de compra, los RAEEs muy pequeños (para electrodomésticos sin dimensiones externas superiores a 25 cm).

La recogida selectiva apropiada de los RAEEs contribuye a su reutilización, reciclaje y valorización y evita potenciales impactos negativos sobre el medio ambiente y la salud humana debidos a la posible presencia de sustancias peligrosas dentro de ellos.

NLD VERWIJDERING

In overeenstemming met het Wetsbesluit nr. 49 van 14 maart 2015 "Implementatie van de Richtlijn 2012/19/EU inzake afgedankte elektrische en elektronische apparaten (AEEA)".

Het doorgeslechte vuilnisbaksymbool op het apparaat of de verpakking geeft aan dat het product aan het einde van zijn levensduur niet samen met het gewone huisvuil weggegooid mag worden. De gebruiker moet het apparaat aan het einde van zijn levensduur inleveren bij een gepast inzamelpunt of de winkel waar hij een nieuw apparaat van een gelijksoortig type zal kopen. De gebruiker kan tevens AEEA's van een zeer klein formaat (huishoudapparaten met een buitenafmeting kleiner dan 25 cm (9,84 inch) gratis en zonder enige aankoopverplichting bij handelaars inleveren. Een juiste verwijdering van AEEA's draagt bij tot hergebruik, recycling en terugwinning, en voorkomt potentiële negatieve effecten op het milieu en de menselijke gezondheid door de mogelijke aanwezigheid van gevaarlijke stoffen.

POR ELIMINAÇÃO

De acordo com o Decreto Legislativo n.º 49 de 14 de março de 2014 "Implementação da Diretiva 2012/19/UE relativa aos resíduos de equipamentos elétricos e eletrônicos (REEE)".

O símbolo do caixote do lixo riscado no equipamento ou na embalagem indica que quando o produto atinge o fim da sua vida útil, deve ser recolhido separadamente dos resíduos urbanos mistos. O utilizador deve, portanto, eliminar o equipamento no final da sua vida útil nos centros de recolha de resíduos adequados ou levá-lo ao vendedor durante a compra de um novo equipamento de tipo equivalente, na proporção de um para um. Além disso, o utilizador pode eliminar gratuitamente os REEE de dimensões muito reduzidas aos vendedores, sem qualquer obrigação de compra. (só aparelhos domésticos sem qualquer dimensão externa que exceda 25 cm, ou seja 9,84 polegadas). A correta eliminação dos REEE contribui para a sua reutilização, reciclagem e recuperação e evita potenciais efeitos negativos sobre o ambiente e a saúde humana devido à possível presença de substâncias perigosas no seu interior.

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The product is CE marked demonstrating its conformity and is for distribution within all member states of the EU with no restrictions. This product follows the provisions of the European Directives 2014/30/EU (EMC); 2014/35/EU (LVD); 2011/65/EU (RoHS); CE marking 93/68/EEC.

Le produit est marqué CE à preuve de sa conformité et peut être distribué librement à l'intérieur des pays membres de l'union européenne UE.
Ce produit est conforme aux directives européennes 2014/30/EU (EMC) ; 2014/35/EU (LVD) ; 2011/65/EU (RoHS): marquage CE 93/68/EEC.

Het product heeft de CE-markering om de conformiteit ervan aan te tonen en is bestemd voor distributie binnen de lidstaten van de EU zonder beperkingen. Dit product volgt de bepalingen van de Europese Richtlijnen 2014/30/EU (EMC); 2014/35/EU (LVD); 2011/65/EU (RoHS): CE-markering 93/68/EEG.

يحمل المنتج علامة التوافق الأوروبي CE لإظهار توافقه مع المواصفات ذات الصلة وإمكانية توزيعه في كافة دول الاتحاد الأوروبي بدون أية قيود. يلبي هذا المنتج جميع متطلبات التوجيهات الأوروبية 2014/30/UE (EMC); 2014/35/UE (LVD); 2011/65/UE (RoHS): علامة المطابقة للمواصفات الأوروبية CE 93/68/CEE.

Il prodotto è marchiato CE a dimostrazione della sua conformità e può essere distribuito liberamente all'interno dei paesi membri dell'Unione Europea UE.
Questo prodotto è conforme alle direttive Europee: 2014/30/UE (EMC); 2014/35/UE (LVD); 2011/65/UE (RoHS): marcatura CE 93/68/EEC.

El producto lleva la marca CE que demuestra su conformidad y puede ser distribuido en todos los estados miembros de la unión europea UE.
Este producto cumple con las Directivas Europeas 2014/30/EU (EMC); 2014/35/EU (LVD); 2011/65/EU (RoHS): marca CE 93/68/EEC.

O produto tem a marca CE que demonstra a sua conformidade e destina-se a distribuição em todos os estados membros da UE, sem restrições. Este produto segue as disposições das Diretivas Europeas 2014/30/UE (EMC); 2014/35/UE (LVD); 2011/65/UE (RoHS): marcação CE 93/68/CEE.



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