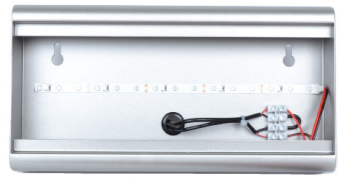
ON AIR STUDIO WARNING LIGHT

Installation instruction

INTRODUCTION

On the right you see all the systems parts of the ON AIR warning light.
If you have unpacked the ON AIR light your first step is to decide where you want it, in or outside the control room.
If you made that decision, position the frame on the wall by hand and keep it there and then mark the two keyholes on the wall with a marker.
Drill holes in case of concrete or simply screw it to the wall, a good idea might be to use some washers to create a very small space in between the back wall of the unit and the studio wall to allow for cabling and positioning the unit horizontal. You can also put adhesive rubber feet on the back of the unit to create that cable space.



DIMENSIONS

260 x 125 x 65mm

ELECTRICAL WIRING

Now that you have done that the power supply must be prepared to power up the ON AIR light.
Cut off the plug on the standard adapter we have supplied you. If you have stripped the wires check if you can reach the nearest mains wall outlet with the standard cable.
Make sure you do this in a safe way without causing shorts. Neatly fix the low voltage DC cable to the wall with cable ties and do NOT put the DC power adapter into the main voltage yet.

INTERNAL WIRING

Below you see a white 4 segment terminal block with on the right hand side row the already connected wiring from the led strip to the barrier strip and a shorting wire. On Pin-1 the plus connection of the ledstrip and on Pin-4 the minus connection.
Pin-2 and 3 are shorted by a wire. Feed the power supply cable through the back hole of the unit and connect the plus pole of the 12 volt DC power supply to Pin-1 (top pin) and the minus pole of the 12 volt DC power supply to Pin-2.
Now feed the control wires through the back wall of the unit and connect one side to Pin-3 and the other wire to Pin-4 where on the picture control is written. The other end of the two wire control cable can be connected to the tip and ring of a stereo jack in case you own an AIRMATE/AIRENCE or AIRLAB. For the AXUM and LYRA read their manuals for the GPO connections.
Internal terminal block as seen inside the ON AIR Warning Light frame.
The right side row has already been wired for you.
Pin-1= + 12 volt DC (200mA)

From top to bottom you see a wired example on the left side.

Pin-2= - 12 volt DC (200mA)
Pin-3= Control (*by shorting to pin 4 the led strip turns on*)
Pin-4= Control (*by shorting to pin 3 the led strip turns on*)
In case you want to connect 2x ON-AIR warning lights to one reed relay/opto coupler in the mixer, simply connect the control wires going to the mixer in series with each other, but in the right way!! (plus to minus of the second unit).
Note: Pin 4 of the control of ON-AIR-1 needs to be connected to Pin 3 of the control of ON-AIR-2.
Both LEDS will go on when control 3 of ON-AIR-1 and Control-4 of ON-AIR-2 are shorted.

DISPLAY ASSEMBLY

Hang the ON-AIR warning sign (without diffuser) where you have planned it and prepare all wiring neatly around it and test the unit.
If it works fine, remove inside the frame the protection paper from the double sided tape and carefully position the diffuser panel inside the frame so that the text can be read.
If for some reason you need to disassemble the unit, use a soft ended piece of pipe and stick it from the backside of the Frame through the keyholes and push out the diffuser panel.
We thank you for your purchase and wish you many enjoyable hours in the studio.

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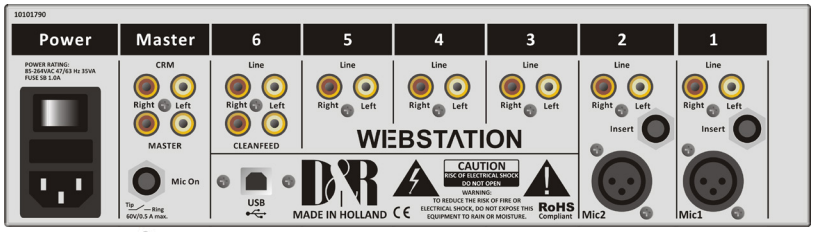
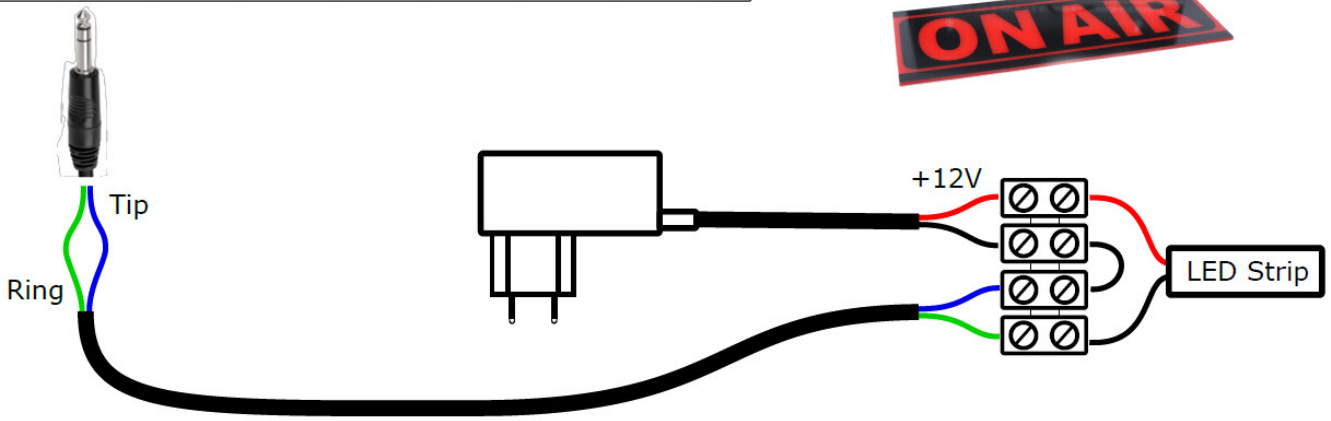
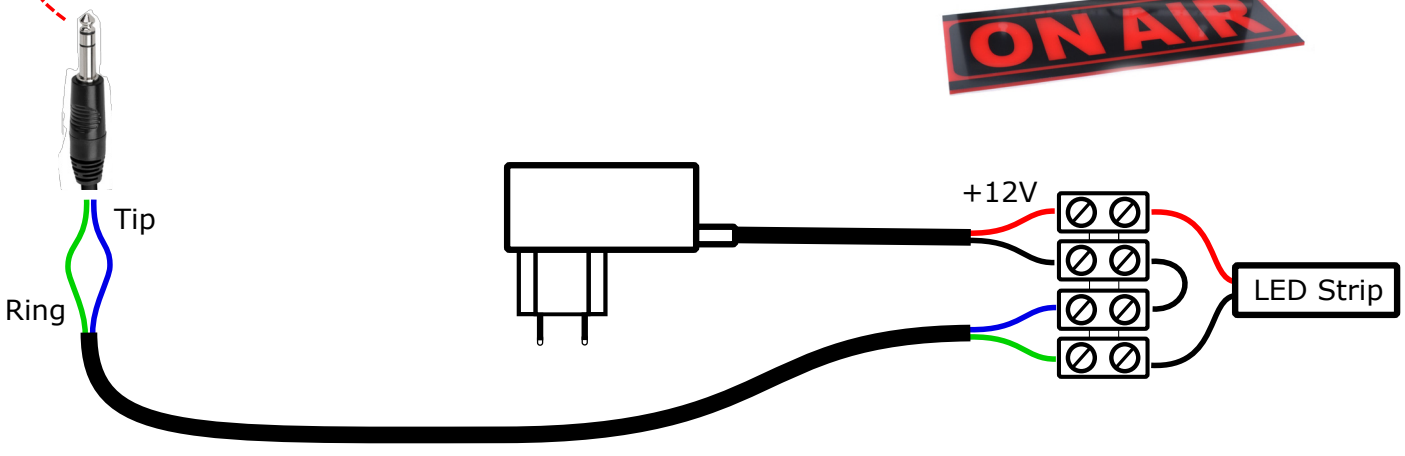
How to connect the “ON-AIR” sign to your Webstation

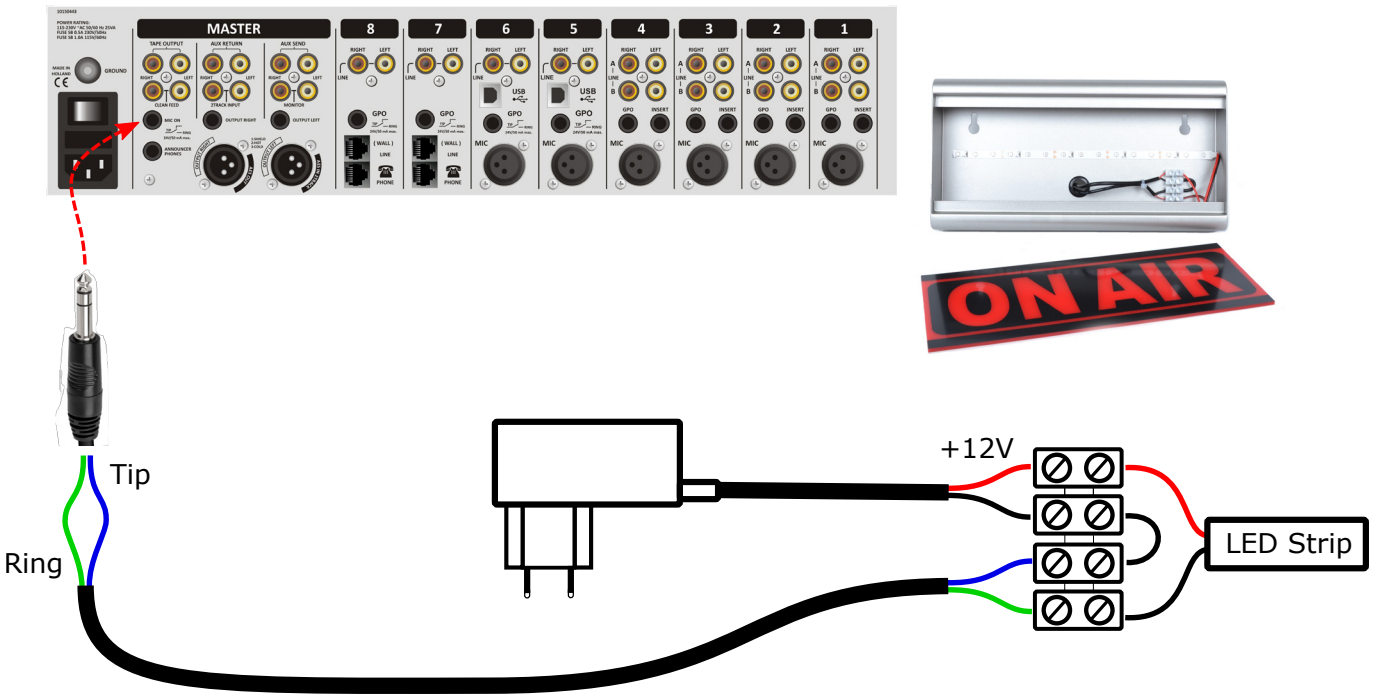




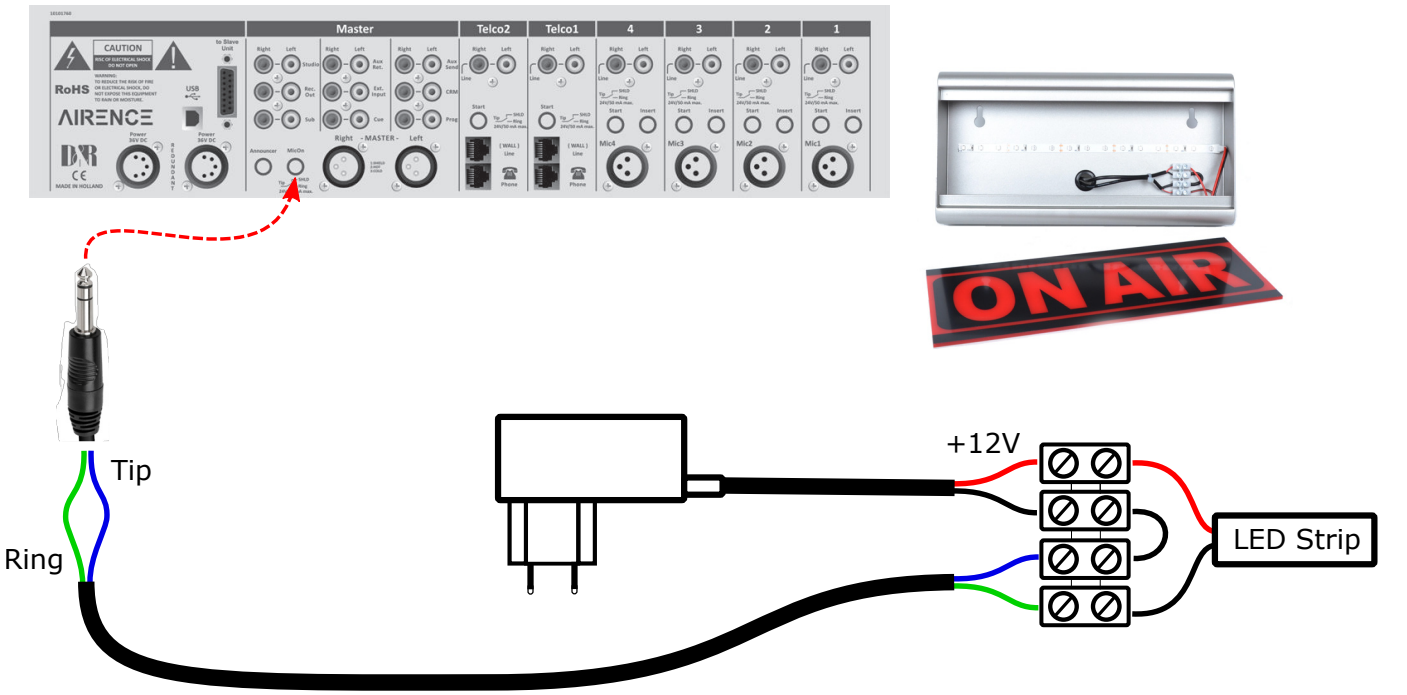
How to connect the ´ON AIR´ sign to your Airlite



How to connect the ´ON AIR´ sign to your Airmate



How to connect the ´ON AIR´ sign to your Airence



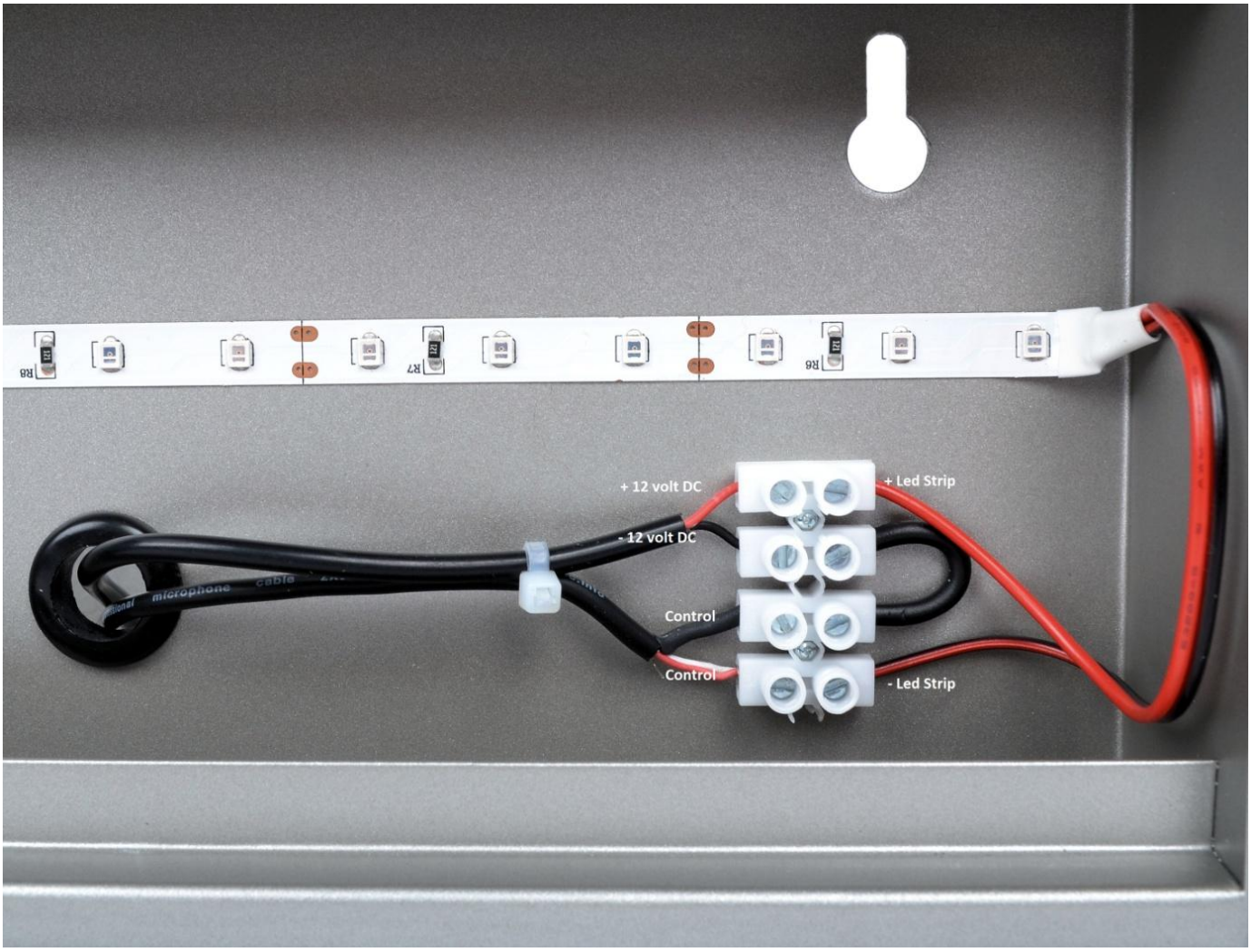
ON-AIR WARNING LIGHT WIRING FOR LYRA

INTERNAL WIRING

Below you see a white 4 segment terminal block with on the right hand side row the already connected wiring from the led strip to the barrier strip and a shorting wire. On Pin-1 the plus connection of the ledstrip and on Pin-4 the minus connection.

Pin-2 and 3 are shorted by a wire. Feed the power supply cable through the back hole of the unit and connect the plus pole of the 12 volt DC power supply to Pin-1 (top pin) and the minus pole of the 12 volt DC power supply to Pin-2.

Now feed the control wires through the back wall of the unit and connect one side to Pin-3 and the other wire to Pin-4 where on the picture control is written. The other end of the two wire control cable can be connected to PIN 4 and PIN 9 of the CRM SUB-D connector on the back of the LYRA I/O unit. The right hand side of the terminal strip has been wired by us already. Pin1=+Led strip, Pin2=shorted to pin3, Pin4=-Led strip



The left side of the terminal strip has to be wired by yourself.

Pin-1= + 12 volt DC 200mA (from the delivered Power adpater)

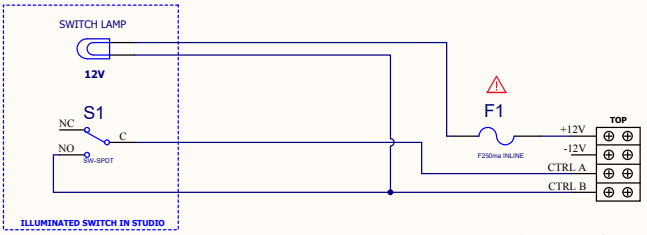
Pin-2= - 12 volt DC 200mA (from the delivered power adapter)

Pin-3= Control goes to pin 4 of the CRM SUB-D connector

Pin-4= Control goes to pin 9 of the CRM SUB-D connector

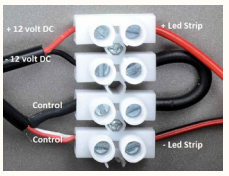
In case you want to connect 2x ON-AIR warning lights to one reed relay in the mixer, simply connect the control wires going to the mixer in series with each other, but in the right way!!

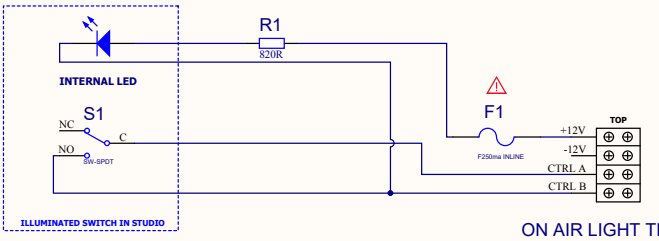
Note: Pin 4 of the control of ON-AIR-1 needs to be connected to Pin 3 of the control of ON-AIR-2.
Both LEDS will go on when control 3 of ON-AIR-1 and Control-4 of ON-AIR-2 are shorted.



ON AIR LIGHT TERMINALS

QUIET PUSH ON / PUSH OFF SWITCH WITH INTERNAL LAMP





ON AIR LIGHT TERMINALS

QUIET PUSH ON / PUSH OFF SWITCH WITH INTERNAL LED

⚠ **FITTED CLOSE TO TERMINAL BLOCK 12V+ FEED**
TO LIMIT FAULT CURRENT IN CASE OF CABLE SHORTS

Title: *D&R On Air Light Switch Wiring*			*Total Audio Solutions* *35A Elizabeth Mall* *Hobart* *TAS* *Australia 7000*
Size: A4	Number: TAS29141	Revision: Original	
Date: 2/09/2014 Time: 8:04:04 PM	Sheet 1 of 1		
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