



# ON AIR STUDIO WARNING LIGHT

A perfect matching ON-AIR light for all our mixers. But you can of course use the unit too for other brands. We call it ON-AIR Lamp but actually there is no lamp inside anymore, just everlasting high intensity red leds. The unit is powered by a 12 volt DC 450 mA external power supply. And what's more... no hassle with how do I connect this thing to my AIRMATE-USB/AIRENCE-USB/AIRLAB or AXUM or any other mixer. No complicated high voltage AC switching with external relays etc. etc.

What you only need is one stereo cable (wired tip/ring) coming from the MIC-ON connector on the back of the AIRMATE/AIRENCE/AIRLAB console that goes directly hardwired to a barrier strip inside the ON-AIR LIGHT. How easy is this for a change. The power adapter (included in the delivery) will also be directly wired to the barrier strip inside the unit.

## INTRODUCTION

On the right you see all the systems parts of the ON AIR warning light. Clear and simple, the intense led strip in the back of the housing, the connector strip ON-AIR plexiglas that needs to be mounted when the frame is fixed on the wall and the wiring is made.



## 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.

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



Pin-1= + 12 volt DC 200mA)  
Pin-2= - 12 volt DC 200mA)  
Pin-3= Control  
Pin-4= Control



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.

## 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 from the support rails inside of 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.

