

RED ALERT - User Guide

November 2023



AUDIO & POWER CONNECTIONS

- The RED ALERT is intended to be inserted into the stereo main and booth outputs of a DJ mixer.
- To match most typical pro-audio DJ mixers the RED ALERT has two balanced XLR inputs for the main signal and two 6.35mm balanced Jack inputs for the booth signal.
- Outputs of these signals is via four balanced XLR outputs.
- Power input is between 90 to 264V AC via a standard IEC C14 connector
- The RED ALERT is not water resistant, so should be protected from exposure to liquids/rain.

FUCTIONALITY

- Main signal is passed straight through the RED ALERT regardless of whether the RED ALERT is powered up or not.
- Booth signal is buffered and effectively passes through the RED ALERT, but only when the RED ALERT is powered up. If the main signal exceeds the preset level for a sustained period the Booth signal can become muted, as explained on the RED ALERT front panel.
- The booth mute function can be enabled or disabled with a keyswitch in the rear of the Red Alert. Each RED ALERT is supplied with two keys for this switch, care should be taken not to lose the keys because they are specific to each RED ALERT and therefore not easily replaced.

CALIBRATION

The threshold level at which the big red lamp and subsequent booth mute is triggered should be preset/calibrated as required to suit the DJ mixer and application. On the rear of the RED ALERT there is an M6 security screw that requires a 4mm allen/hex key/bit to remove. Once this security screw is removed a small flat head screwdriver should be used to adjust the trigger sensitivity control to the desired threshold. We suggest a signal is passed through the DJ mixer main output at the threshold level where the RED ALERT is required to trigger and then the trigger sensitivity is increased just enough so that the big red lamp begins flashing. Once this is satisfactorily set the M6 security screw can be put back in to make it difficult for anyone to tamper with this threshold.

AUXILLIARY CONTACTS/REMOTE OUTPUT

Below the IEC power inlet there is a three pin chassis plug. This is connected to the contacts of a single pole double throw relay. The middle pin opens and closes between the other two pins accordingly. These contacts are electrically isolated from the other internal circuits and audio path and can be used to operate a remote alarm, light, or other device. The relay becomes activated only when the conditions are met for the booth mute to be active. This function operates the same regardless of the keyswitch position. RC Audio Systems are happy to assist with supply of the corresponding female cable connector for this and advice on use of this facility upon request.

TAMPER RESISTANT CONNECTIONS

RC Audio Systems can by request supply tamper resistant output XLR cables that cannot be easily removed.

WARRANTY

The RED ALERT comes with a five year full parts and labour warranty, during which time we will repair any faults if they should develop affecting the performance of the product. This warranty does not cover damage caused by misuse or abuse or tampering with the products.

After the warranty has expired we will continue to support the products into the future, including offering a repair facility, spare parts and technical support should any customers need any assistance.

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