



AEQ SCR-03

SIGNALLING BOX

USER'S MANUAL
ED. 03/06
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1. INTRODUCTION.

1.1. Maintenance.

Maintenance operations on this unit should only be carried out by qualified technical personnel. **AEQ** does not accept responsibility for any damage or injury to the equipment caused by maintenance by unauthorised persons, nor for any damage or injury to other equipment or persons caused by any unauthorised repair or maintenance operation.

1.2. Guarantee.

AEQ warrants that this product has been designed and manufactured under a certified Quality Assurance System. AEQ therefore warrants that the necessary test protocols to assure the proper operation and the specified technical characteristics of the product have been followed and accomplished.

This includes that the general protocols for design and production and the particular ones for this product are conveniently documented.

1.- The present guarantee does not exclude or limit in any way any legally recognized right of the client.

2.- The period of guarantee is defined to be twelve natural months starting from the date of purchase of the product by the first client.

To be able to apply to the established in this guarantee, it is compulsory condition to inform the authorized distributor or –to its effect- an AEQ Sales office or the Technical Service of AEQ within thirty days of the appearance of the defect and within the period of guarantee, as well as to facilitate a copy of the purchase invoice and serial number of the product.

It will be equally necessary the previous and expressed conformity from the AEQ Technical Service for the shipment to AEQ of products for their repair or substitution in application of the present guarantee.

In consequence, return of equipment that does not comply with these conditions will not be accepted.

3.- AEQ will at its own cost repair the faulty product once returned, including the necessary labour to carry out such repair, whenever the failure is caused by defects of the materials, design or workmanship. The repair will be carried out in any of the AEQ authorized Technical Service Centre. This guarantee does not include the freight charges of the product to or from such Authorized Technical Service Centre.

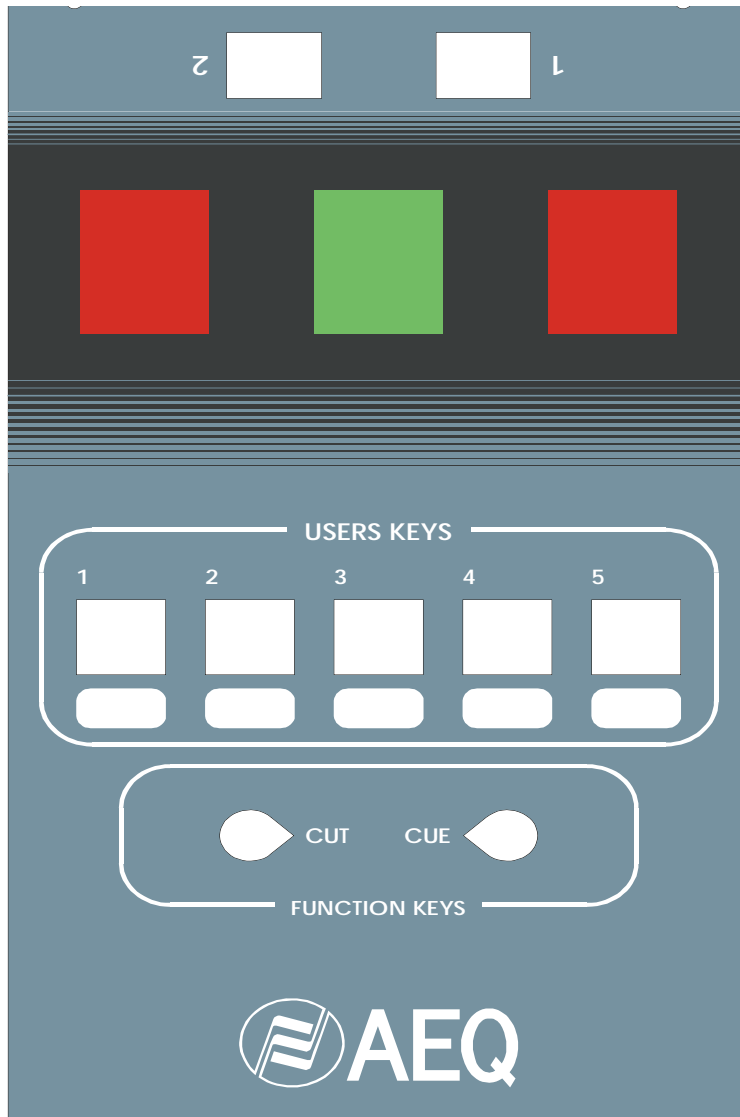
4.- No Extension of the Guarantee Period for repaired product shall be applied. Nor shall a Substituted Products in application of this Guarantee be subject to Guarantee Period Extension.

5.- The present guarantee will not be applicable in the following situations: improper use or Contrary use of the product as per the User or Instruction Manual; violent manipulation; exhibition to humidity or extreme thermal or environmental conditions or sudden changes of such conditions; electrical discharges or lightning; oxidation; modifications or not authorized connections; repairs or non-authorized disassembly of the product; spill of liquids or chemical products.

6.- Under no circumstances, whether based upon this Limited Guarantee or otherwise, shall AEQ, S.A. be liable for incidental, special, or consequential damages derived from the use or from the impossibility of using the product.

AEQ shall not be liable for loss of information in the disks or data support that have been altered or found to be inexact, neither for any accidental damage caused by the user or other persons manipulating the product.

2. DESCRIPTION OF BUTTONS AND CONNECTIONS.



- **CUT:** MUTE.

- **CUE:** PFL.

- **USERS KEYS 1 to 5:**
Configurable buttons.

- **GREEN LIGHT:** Closed
Microphones Indicator.

- **RED LIGHT:** Open
Microphone Indicator.

- **RJ45 1:**

PIN 1: CUE

PIN 2: CUT

PIN 3: USERS KEY 1

PIN 4: USERS KEY 2

PIN 5: USERS KEY 3

PIN 6: USERS KEY 4

PIN 7: USERS KEY 5

PIN 8: COMMON (+)

- **RJ45 2:**

PIN 1: RED LIGHT (-)

PIN 2: RED LIGHT (+)

PIN 3: COMMON (+) LEDs

PIN 4: No use

PIN 5: No use

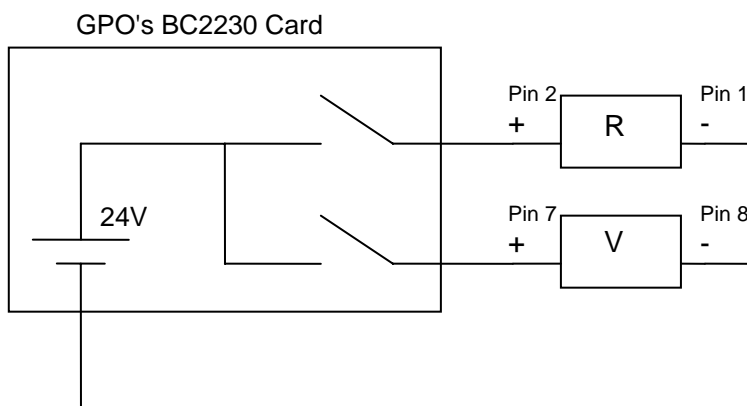
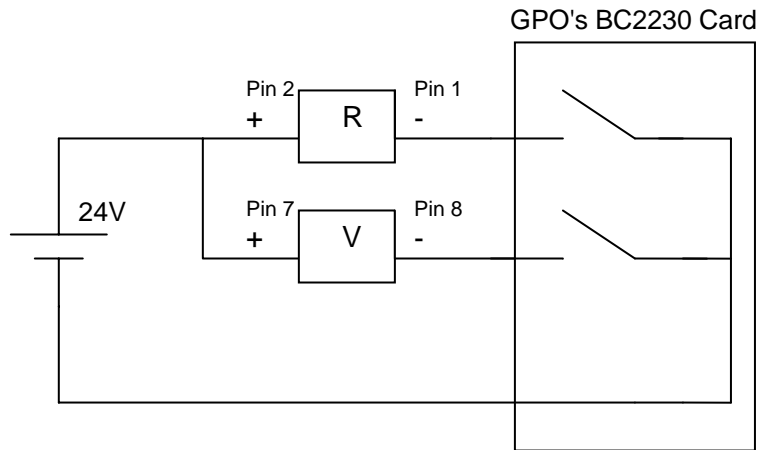
PIN 6: COMMON (-) LEDs

PIN 7: GREEN LIGHT (+)

PIN 8: GREEN LIGHT (-)

The **GPI's** which activate **CUE** are sent from the **RJ45 1** to the controller board (BC2230) of the system BC 2000 D (microphones are sent to PFL bus in order to allow studio direct communication with the control), the **CUT** (or MUTE, which cuts the transmission of the studio microphones to the different assigned outputs), and any other function defined through the configuration software of the system and that it is assigned to the 5 available configurable buttons (each one of the pins are associated with a particular pin of the controller GPI connector). The pin 8 carries 24V power.

RED / GREEN LIGHT of the box is activated by **GPO's**, that go from the controller board BC2230 to the **RJ45 2** through the pins 3 and 6, 24V are applied to the **USERS KEYS** LED's (when you press the button the LED lights). Regarding pins for the lights of the box there are 2 connection options:



In the first case, RJ45 2 pins 2 and 7 of the box carry 24V power, RJ45 2 pins 1 and 8 of the box are connected to the RJ45 pins of the controller BC2230, previously defined by the “BC-2000 D Console Setup” software and the BC2230 controller board RJ45 common pin (8) is connected to ground.

In the second case, RJ45 2 pins 1 and 8 of the box are connected to ground, RJ45 2 pins 2 and 7 of the box are connected to RJ45 pins of the controller board BC2230 previously defined by the “BC-2000 D Console Setup” and the BC2230 controller board RJ45 common pin (8) is connected to 24V.

3. TECHNICAL SPECIFICATIONS.

POWER:	24V, via the RJ45 connector (2).
CONTROLS:	CUT (MUTE). CUE (PFL). USERS KEYS (configurable buttons).
INDICATORS:	GREEN LIGHT (closed microphones). RED LIGHT (open microphone).
DIMENSIONS:	Width: 130 mm. Height: 55.3 mm. Depth: 174 mm.
WEIGHT:	660 grs.

4. ADDITIONAL INFORMATION.

NOTE: This equipment complies with the limits for a Class A digital device, pursuant to part 15 of the **FCC** Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.