



# **AEQ STUDIOBOX**

## **SIGNALLING BOX**

**USER'S MANUAL**

**ED. 05/21**

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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.

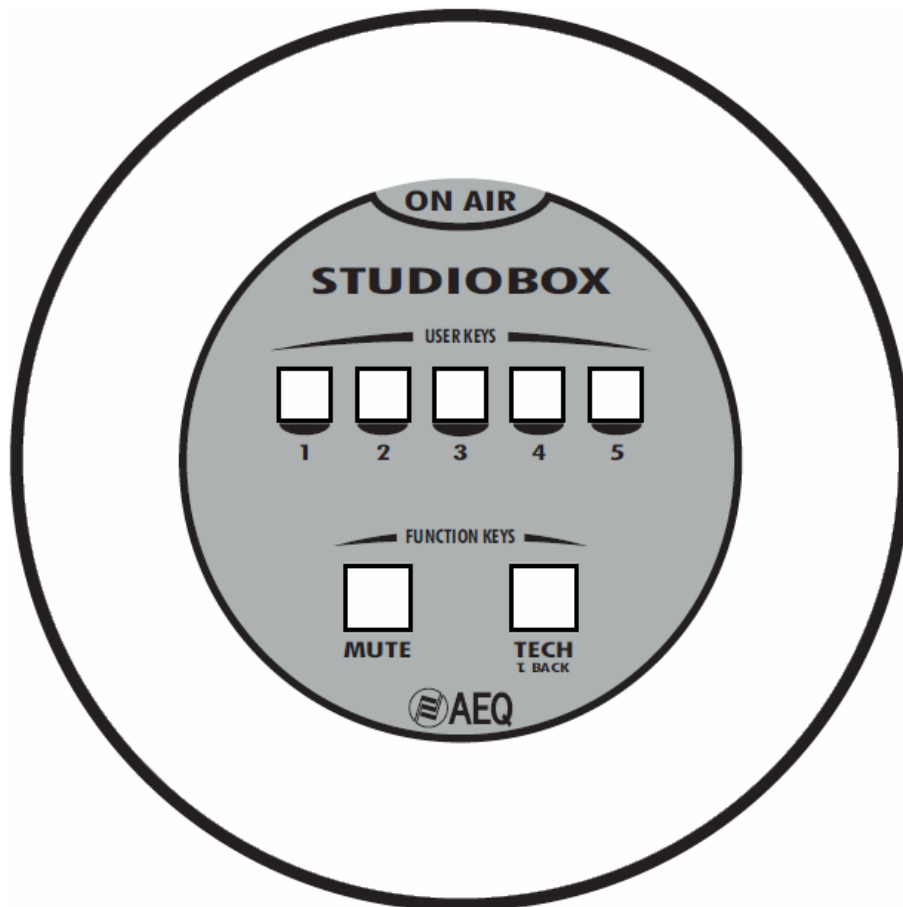
5.- The present guarantee will not be applicable in the following situations: improper use or Contrary use of the product as per the User or Instruction Manual; violent manipulation; exhibition to humidity or extreme thermal or environmental conditions or sudden changes of such conditions; electrical 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.

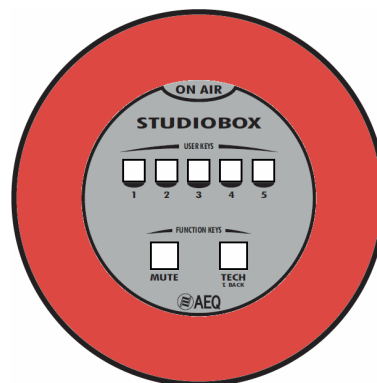
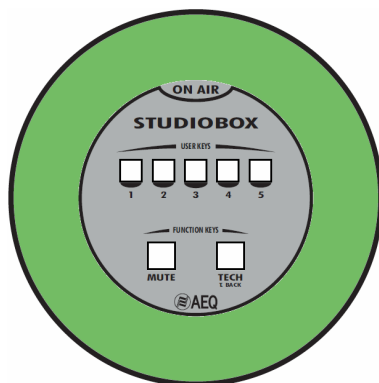
AEQ shall not be liable for loss of information in the disks or data support that have been altered or found to be inexact, neither for any accidental damage caused by the user or other persons manipulating the product.

## 2. PHYSICAL DESCRIPTION OF THE UNIT.

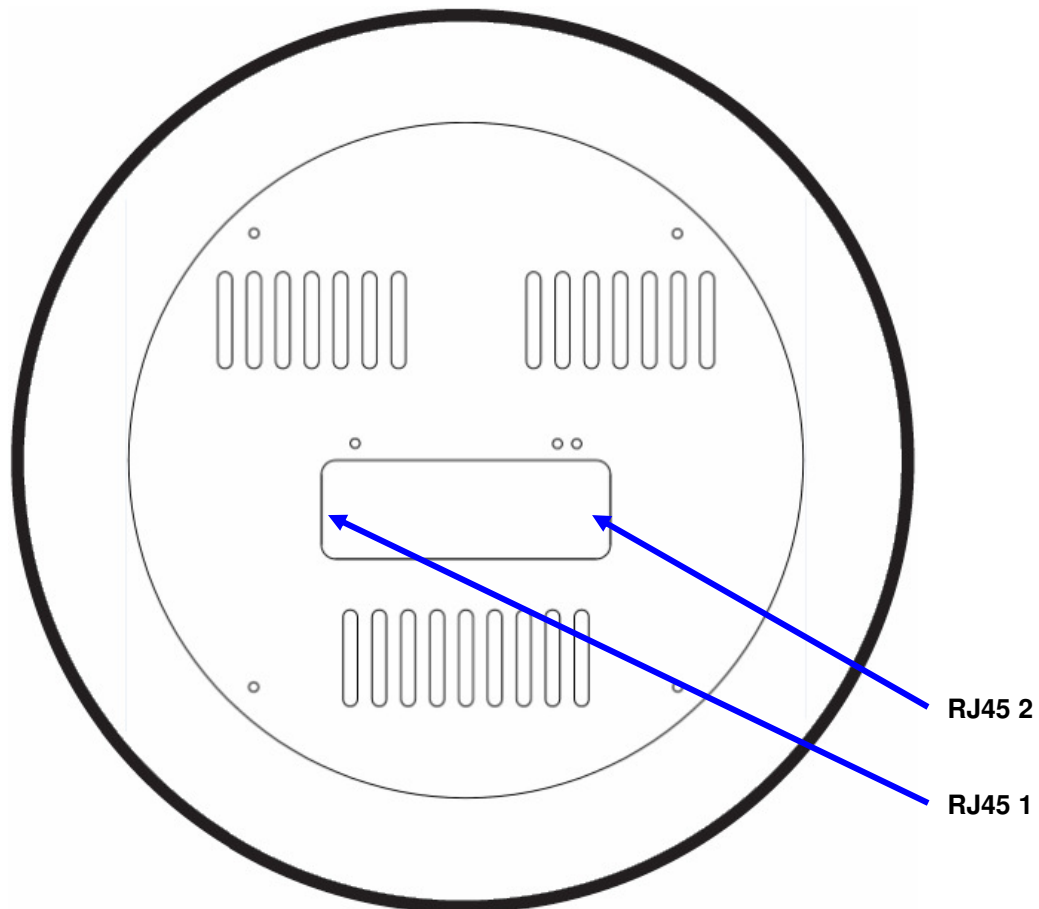
### 2.1. Controls and indicators description.



- **USER KEYS 1- 5:** Configurable buttons with LED activation indicator.
- **MUTE:** Microphone MUTE key.
- **TECH T. BACK:** PFL key.
- **GREEN LIGHT:** Green indicator, usually signals closed microphones.
- **RED LIGHT:** Red indicator, usually signals that some microphone is open in the studio.



## 2.2. Connections description.



The pinout of the RJ45 connectors is as follows:

- **RJ45 1:**
  - Pin 1: TECH. T BACK
  - Pin 2: MUTE
  - Pin 3: USER KEY 1
  - Pin 4: USER KEY 2
  - Pin 5: USER KEY 3
  - Pin 6: USER KEY 4
  - Pin 7: USER KEY 5
  - Pin 8: 24V DC Input
  
- **RJ45 2:**
  - Pin 1: Not used
  - Pin 2: RED LIGHT (+)
  - Pin 3: 24V DC Input
  - Pin 4: Not used
  - Pin 5: Not used
  - Pin 6: GND
  - Pin 7: GREEN LIGHT (+)
  - Pin 8: Not used

Connectors are marked with a dot and a double-dot respectively in STUDIOBOX.

If you want to connect the AEQ STUDIOBOX signalling box to the AEQ NETBOX 4 MH interface you should connect the **RJ45 1** connector of STUDIOBOX to the **SCR-03 GPI** connector of NETBOX 4 MH and the **RJ45 2** connector to the **SCR-03 GPO** connector by means of 2 straight Ethernet cables.

It's also possible to manage the signalling box either from the general purpose GPIOs of NETBOX 4 MH or by means of virtual GPIOs.

Please consult the NETBOX 4 MH user's manual for more information.

### 3. TECHNICAL SPECIFICATIONS.

**Power supply:** 24V.

**Keys:** MUTE (cut).  
TECH T. BACK (PFL).  
USER KEYS (configurable buttons).

**Lights:** GREEN LIGHT (closed microphones).  
RED LIGHT (open microphone).

**Dimensions:** Diameter: 200 mm.  
Height: 40 mm.

**Weight:** 750 grams.

#### 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.