



# AEQ LIVE 10

Reporting unit

## **USER MANUAL**

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## LIVE 10T & LIVE 10R USER MANUAL

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## **LIVE 10T & LIVE 10R GENERAL DESCRIPTION**

The system LIVE 10T + LIVE 10R allows the transmission and reception of audio through a radiofrequency link maintaining high audio quality.

### **LIVE 10T**

#### **Front panel description:**

At the front panel there are the necessary keys and connectors to operate the unit:

- Channel selector: the user can choose any of the 16 channels available through a digital selector
- Audio input: the audio input is achieved by a XLR 3 H connector; the input is balanced with the following code
  - 1 ground
  - 2 signal +
  - 3 signal -
- Any Standard dynamic microphone can be used
- Mic Gain Potentiometer: you can adjust the gain of the microphone at the input of the transmitter in range of 0 to 40 dB
- Low battery indicator LED

### **LIVE 10R**

At the front panel there are the necessary keys and connectors to operate the unit:

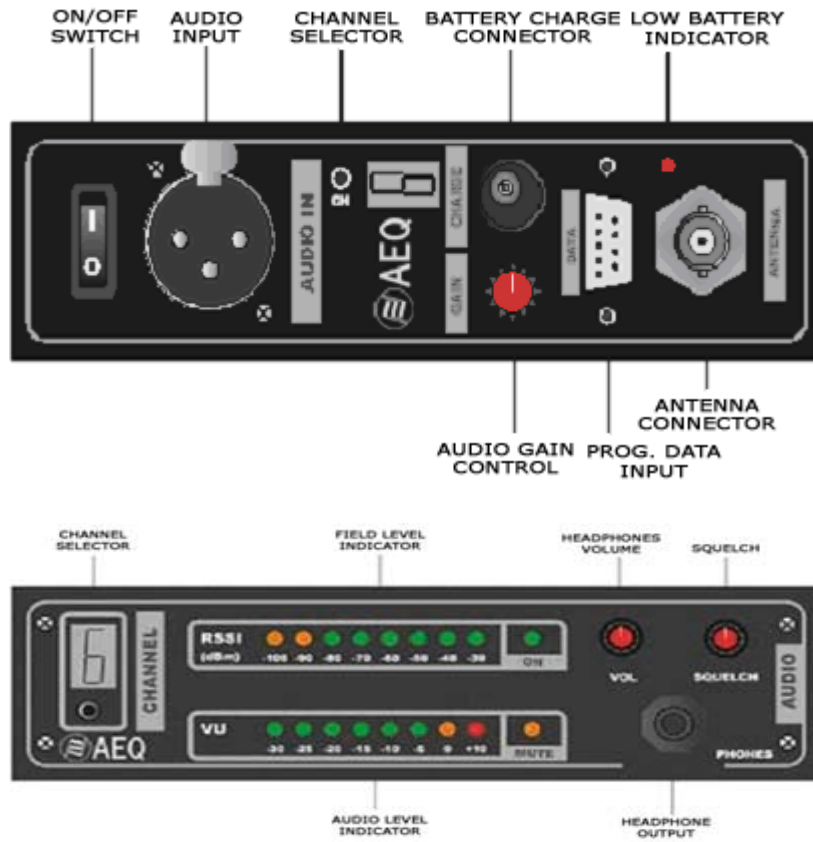
#### **Front panel description:**

- R.F. Field Indicator (RSSI)
- Audio Level Indicator (VU Meter)
- Headphones output (jack ¼")
- Volume control of the headphones output
- Digital channel selector

#### **Back panel description:**

- RF input through BNC H connector
- Line output through XLR connector
- Power selector by XLR

**LIVE 10T & LIVE 10R FRONT VIEW**



### **LIVE 10 TECHNICAL SPECIFICATIONS**

<b>LIVE 10T</b>	<b>LIVE 10R</b>
Wide Band FM Transmitter with $\pm$ 30Khz deviation	Wide band FM receiver
16 VHF channels VHF (174.8-187.7 MHz) synthesized through PLL 5 Mhz window.	Frequency Range: 174-187 Mhz 5 Mhz window
RF power: 3W (measured over a 50 $\Omega$ charge) $\pm$ 1dB.	PLL, 16 channels
Balanced audio input	Spacing between channels: 150Khz
Compressor/limiter	Sensitivity: -112dBm for 12 SINAD @ 1Khz.
Second harmonic level below 60dB	SNR: >80dB (20Hz-20KHz)
Antenna Connector: BNC H	Image frequency rejection >100 dB
Low battery indicator	Adjacent channel rejection >60 dB
Ion/Lithium battery DR-202	De-emphasis: CCIR 75 $\mu$ S
	Silence-Expander
	RSSI indicator and VU Meter
	Audio Output: XLR, line +4dBv
	Power: 12V DC/0,5A

### **LIVE 10 MECHANICAL CHARACTERISTICS**

Aluminum box	Aluminum box
Dimension: 240x145x43 mm	Dimension: 300x145x42 mm
Weight: 1,5 kg. Batteries included	Weight: 1,7 kg.

## **STARTING TO WORK WITH LIVE 10T & LIVE 10R**

### **STARTING TO WORK WITH AEQ LIVE 10R**

1. Connect the power from the power supply
2. Connect the antenna.
3. Select the channel.
4. Switch on the unit with the volume at minimum position

### **Link verification**

1. Switch on the receiver (LIVE 10R)
2. Set the Squelch selector to the left, and the VU Meter will start lighting
3. Switch on the transmitter (LIVE 10T).
4. Check that both units are on the same channel
5. The field indicator (RSSI) in the receiver will start lighting. Connect the microphone and adjust the gain control to the correct level
6. Check that the VU Meter moves when you speak and that there is audio in your headphones output

### **Problems resolution**

In case the link is not working properly, check the power, antennas, microphone connection and line output

### **Starting to work with AEQ LIVE 10T**

1. Connect the antenna.
2. Make sure that the battery DR202 is held at the internal compartment of the LIVE 10T unit
3. Switch on the unit with the power selector
4. Set the desired channel with the digital channel selector

### **Low battery indicator (LBI):**

The LBI starts lighting when the battery is such discharged that the appropriate power to the transmitter can't be guaranteed.

### **Autonomy**

The LIVE 10T is powered with an ion/lithium DR202 type battery. The autonomy of the unit is 4.5 hours or more, measured under working conditions of:

- Fully charged battery
- Power (3 W).
- 100 % continuous work cycle

The low battery indicator (LBI) indicates the moment when the battery charge can't guarantee the nominal characteristics of the unit.

For a full satisfactory use, recharge the battery once the LBI is ON.