

## AM/FM MONITORING MULTIRECEIVER

### AEQ LISTENER 8

AEQ LISTENER 8 is a system composed of eight receivers that enables its users to monitor the AM and FM spectrum. It offers radio broadcasters a high degree of control as well as the possibility of recording both their own broadcasts and those produced by other radio stations.

It is designed to be controlled through a front panel display that you can use to program the tuning of each receiver and the real-time supervision of the key parameters of each receiver such as carrier, stereo pilot, absence of tuning, and mute.

It is also equipped with an RS-232 port to allow PC control.

AEQ LISTENER 8 keeps you posted with both a front panel tuning display and alarms for signal absence of carrier, absence of stereo broadcast and mute. Local listening of each receiver can be monitored through a loudspeaker or a headphone jack by selecting the desired receiver using a switch on the front panel.

It is equipped with stereo audio and alarm (buzzer) outputs on every channel.

It includes two splitters, which means you need only one antenna for AM and another for FM.



### TECHNICAL SPECIFICATIONS

#### RECEPTOR FM

**Frequency range:** 87.5 MHz - 108.0 MHz (in 50 KHz steps)  
**Intermediate frequency:** 10.7 MHz  
**Antenna input impedance:** 75 Ohm  
**Sensitivity in FM:** -92 dBm for 50 dB S/N  
**Maximum SNR:** 75 dB  
**Distortion:** 0.2%  
**Audio output:** 1 V  
**Stereo separation:** 40 dB  
**Image rejection:** 80 dB  
**AM rejection:** 50 dB  
**Adjacent channel selectivity (+/-400 KHz):** 75 dB  
**Intermodulation (+/- 800 KHz):** 65 dB  
**IF rejection:** 70 dB  
**Audio response:** 50 Hz to 15 KHz  
**Spurious radiation:** Compliant with FCC, EN 55013 and EN 55020 standards

#### GENERAL

**Operating temperature range:** -20° C to + 70° C  
**Dimensions:** 2u x 19 x 250 mm.  
3.5" x 19" x 9.75"  
**Power supply:** 90 @ 220 VAC 50-60 Hz  
**Weight:** 3 kg / 6.6 lb  
**Indicators:** Carrier, Absence of Carrier, Stereo and Mute  
**Inputs:** FM Ant., AM Ant., AC IN  
**Outputs:** For RDS decoder, 16 x Audio, 8 x Buzzer  
**Monitor:** Loudspeaker and 1/4" headphone jack  
**Communications:** RS 232 port

#### RECEPTOR AM

**Frequency range:** 522 KHz - 1611 KHz (in 9 KHz steps)  
535 KHz - 1705 KHz (in 10 KHz steps)  
**Intermediate frequency:** 450 KHz  
**Sensitivity for S/N 20 dB:** -60 dBm  
**Maximum SNR:** 50 dB  
**Distortion:** 0.7%  
**Audio output:** 1 V  
**Image rejection:** 36 dB  
**IF rejection:** 55 dB  
**AGC range:** 58 dB

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