

## PORTABLE RADIO LINKS

### PORTABLE TRANSMITTER AEQ ARROW MIXER 50T

The AEQ ARROW MIXER 50T was designed especially for situations where mobility, reliability and power are fundamental factors. It has the same technical specifications as the AEQ ARROW 50T, to which it adds portability: its low weight and small size make it easy to carry to the location where you need to go to get the news as it happens.

AEQ ARROW MIXER 50T has 30W of power and 16 selectable working frequencies, within the spectrum assigned according to each country's standards.

It also offers three switchable mic-line inputs with a gain selector, which lends it such versatility that it can be used in practically any situation.

This system is so compact that it can be carried in a standard briefcase, which makes the reporter's deployment easier, offering access from the news spot to the studio in minimal time. It gets its operating power directly from the mains, or through a 12V DC outlet .

It enables you to use a PC to program working frequencies through a D-SUB connector.



### AEQ ARROW 50T TRANSMITTER

The AEQ ARROW 50T is a transmitter for use in mobile radio broadcasting links. It has 30W of power and 16 selectable working frequencies, within the spectrum assigned according to each country's standards.



The switched power supply on the ARROW 50T is a high-performance unit, with low thermal dissipation. This ensures safe operation, freeing the user from worries when selecting the voltage. The feed voltages offered range from 90v to 220v or power supplied through a 12v DC outlet.

The ARROW 50T has a selectable mic / line audio input with adjustable gain. It includes three bars of LEDs to display reflected and forward power as well as input audio level. All these features give the equipment a high level of reliability without neglecting audio quality.

The "Silenzo" noise reduction system is exclusive in all our products; it incorporates a high-end variable gain cell.

The equipment is housed in a 19-inch rack format box. It enables you to use a PC to program working frequencies through a D-SUB connector.

### RECEIVER AEQ ARROW 50 R

AEQ ARROW 50 R is a multichannel base station receiver which operates within a spectrum assigned according to each country's standards. It was designed for use with the AEQ ARROW 50 T and AEQ ARROW MIXER 50 T transmitters.

Its advanced design gives it high signal reception sensitivity as well as strong resistance to interference. These characteristics enable it to operate safely with all sorts of electronic equipment.

The unit is a broadband FM receiver with 16 selectable channels. It has a LED VU meter used as an audio level monitor, as well as a field strength meter.

The audio can be taken from a standard line output or from a low-impedance headphone output (adjustable volume).

The squelch control is accessible from the front panel. The equipment is housed in a 19-inch rack format box. It can be connected directly to the mains or to a 12V DC outlet.

It enables its users to use a PC to program working frequencies through a D-SUB connector.



*How far do you want to go?*

## PORTABLE RADIO LINKS

### TECHNICAL SPECIFICATIONS

#### AEQ ARROW 50T

##### **Transmission**

###### **Frequency range:**

174-500 MHz, (for others, contact us)  
20 MHz window

###### **Nominal power:**

10W and 30W over 50 Ohms  
continuous cycle, delay in power-up.

**Number of channels:** 16, Digital PLL.

###### **Modulation:**

+/-30 KHz 50us or 75us pre-emphasis

**Output impedance:** 50 Ohms

**Spurious signal emission:** < -65 dBc

**RF output connector:** Type N

##### **Audio**

**Audio inputs:** 1 Selectable mic/line

###### **Noise reduction system:**

Silenzo compressor-limiter

**Gain controls:** Front panel

###### **Audio bandwidth:**

50 Hz/15 KHz +/- 0.5 dB

**Distortion:** < 0.3%

**Audio connectors:** XLR3, female

**SNR:** >85 dB

##### **Protection and Measures**

SWR protection

Thermal protection

Lighted analog VU meter

Machined milled aluminum box

2 fans for forced convection

HI/LO indicator and switch

**Alarm indicator:** SWR

(LED and buzzer)

**Alarm indicator:**

Temperature (LED and buzzer)

##### **General**

Reset button

On / off switch

Digital channel selector

**Power supply:** 12V DC / 6A

**Dimensions:** 2u x 19" x 250 mm

482.6 x 88 x 250 mm

19" x 3.5" x 10"

**Weight:** 3.2 kg / 7 lb

12V DC connector: XLR4 Female

#### AEQ ARROW MIXER 50T

##### **Transmission**

###### **Frequency range:**

174-500 MHz, (for others, contact us)  
20 MHz window

###### **Nominal power:**

10W and 30W over 50 Ohms  
continuous cycle, delay in power-up.

**Number of channels:** 16, Digital PLL.

###### **Modulation:**

+/-30 KHz 50us or 75us pre-emphasis

**Output impedance:** 50 Ohms

**Spurious signal emission:** < -65 dBc

**RF output connector:** Type N

##### **Audio**

**Audio inputs:** 3 Selectable mic/line

###### **Noise reduction system:**

Silenzo compressor-limiter

**Gain controls:** 3 on the Front panel

###### **Audio bandwidth:**

50 Hz/15 KHz +/- 0.5 dB

**Distortion:** < 0.3%

**Audio connectors:**

3 XLR3, Female and 1/4" Jack

**SNR:** >85 dB

##### **Protection and Measures**

SWR protection

Thermal protection

Lighted analog VU meter

Machined milled aluminum box

1 fan for forced convection

HI/LO indicator and switch

**Alarm indicator:** SWR

(LED and buzzer)

**Alarm indicator:**

Temperature (LED and buzzer)

##### **General**

Reset button

On / off switch

Digital channel selector

**Power supply:** 12V DC / 6A

**Dimensions:** 205 x 170 x 80 mm

8" x 6.70" x 3.15"

**Weight:** 1.5 kg / 3.2 lb

12V DC connector: XLR4 Female

##### **Accessories included**

Power supply TR 70: 90 – 240 VAC 50/60 Hz

#### AEQ ARROW 50R

##### **Reception**

###### **Frequency range:**

174-500 MHz, (for others, contact us)  
20 MHz window

**Sensitivity:** -112 dBm @ 12 dB SINAD

**Number of channels:** 16, Digital PLL.

###### **Demodulation:**

+/- 30 KHz 50us or 75us de-emphasis

**Input impedance:** 50 Ohms

**Spurious signal emission:** < 2 nW

**RF input connector:** Type N

Squelch on front panel

##### **Audio**

**Audio output:** 600-Ohm balanced line

**Noise reduction system:** "Silenzo"

**Monitor control:** Front panel

**Audio bandwidth:** 50 Hz/15 KHz +/- 0.5 dB

**Distortion:** < 0.3%

**Audio connector:** XLR3 Male and 1/4" Jack

**SNR:** > 85 dB

##### **Protection and Measures**

RSSI indicator (90 dB range)

VU meter

Power-up indicator

Digital channel display

Audio peak indicator

Digital channel selector

##### **General**

On / off switch

Monitor volume

Machined aluminum box

Power supply connection: Powercom AC / XLR4

Female DC

**Power supply:** 90/220 VAC or 12V DC

**Dimensions:** 1u x 19" x 250 mm.

482.6 x 44 x 250 mm

19" x 1.75" x 10"

**Weight:** 1.5 kg / 3.2 lb

D-SUB connector for channel programming via PC.