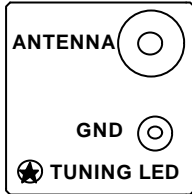




# MOONRAKER MATU3-9

## Portable Manual Antenna Tuning Unit suitable for the HF Band

A small, lightweight, high quality HF tuner for the 3 to 9 MHz band, designed and manufactured by Moonraker as a suitable compliment to its range of HF antenna systems.



Top View

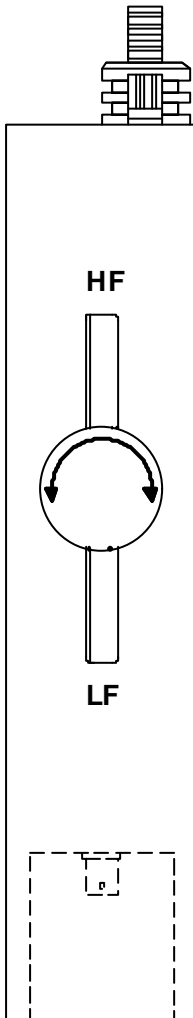
The MATU3-9 is designed to tune short whip type antennas, such as the Moonraker Type TLW, or wire antennas approximately 3 metres in length.

It features a novel tuning circuit designed to ensure a long service life by the elimination of switches or sliding contacts. Connection for the ground system or counterpoise is also provided. However, it is possible to use it without one.

Tuning is achieved simply by rotating a single knob on the side and monitoring the brightness of the LED indicator located on the top of the ATU. Maximum brightness indicates a high transfer of power to the antenna which provides minimum VSWR.

No DC power is required for operation.

Constructed from lightweight square section aluminium with stainless steel and nylon fittings, the MATU is easily transported. Being of small dimensions, it mates well with portable transceivers. A rugged insulator and threaded stud at the top are provided for mounting the whip antenna. The ground or earth connector is alongside. The RF connection is via a BNC female connector, accessible through an opening in the base of the housing.



## Specifications

<b>Frequency Range</b>	3 to 9 MHz. (with suitable Moonraker Antenna)
<b>Antenna Lengths</b>	For 3-9 MHz short whip type antennas or wire antennas approximately 3 metres in length
<b>Antenna Connection</b>	Via insulator and 1 3/8 in x 26 TPI x 12 in stud (other thread sizes to order)
<b>VSWR</b>	< 1.5:1 (3 metre whip)
<b>Power Capability</b>	50 watts CW
<b>Tuning Time (random)</b>	Less than 4 seconds (typical)
<b>Operating Temperature</b>	-30°C to +60°C
<b>Connector</b>	BNC Jack (in base)
<b>Dimensions</b>	270 x 50 x 50 mm (10.6 x 2 x 2 in)
<b>Weight</b>	680 grams (1.6 lbs)

Specifications subject to change 5/00

**Moonraker Australia Pty. Ltd.** A.C.N. 009 531 211

**Tasmania Technopark, Dowsing Point 7010, Tasmania Australia**

Telephone 61 (0)3 6273 1533 Fax: 61 (0)3 6273 1749 Email: radiocom@moonraker.com.au