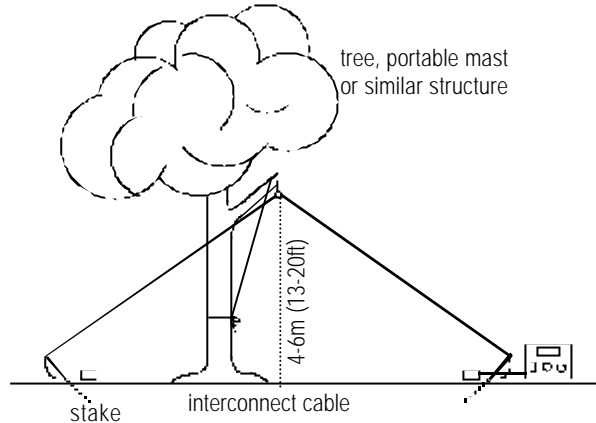




# MOONRAKER

## Type HF M2-30P

### Tactical Military Man Pack HF Broadband Antenna



Designed to provide a compact efficient tactical HF broadband portable antenna for short to medium range communications without the need for an antenna coupler.

The HF M2-30P antenna system packs up small and is easily deployed in the space saving *inverted v* configuration from a single central support, such as a mast, tree, building or similar structure. An optional Moonraker type 6MPM portable mast is available and ideal for easy erection. A throwing line, weight and spool are provided for fast deployment when using a tree or for a halyard when using a mast.

The radiating element and interconnecting cable are constructed from Kevlar strengthened, tinned copper braided wire with PVC coating in drab olive colour to provide maximum durability, camouflage and performance. The antenna is supplied complete with matching device and integral coaxial connector, 10 metres (32.8ft) of coaxial cable (to transceiver), a balancing network, two support stakes and 30 metres (98ft) of interconnect cable. A hammer is optional. The antenna and throwing line/halyard are supplied on fast deployment spools.

The system provides efficient communications over the HF range from 2 to 30 MHz. Water resistant instructions are also included, packed in a military style drab olive or camouflage pattern Army (AUS) 6557 pack.

## SPECIFICATIONS

<b>Antenna Length</b>	30m (98ft)
<b>Frequency Range</b>	2-30 MHz
<b>Impedance</b>	50 $\Omega$ (nominal)
<b>VSWR</b>	<2.5:1
<b>Radiation Pattern</b>	High angle omnidirectional (azimuth)
<b>Power Capability</b>	50w CW, 100w PEP
<b>Connector</b>	BNC type coaxial
<b>Connection</b>	via 10m (32.8 ft) coaxial cable
<b>Recommended Height</b>	4m (13ft) minimum at centre is preferable (tree or mast)
<b>Gain (maximum)</b>	better than 4dBi (dependent upon erected configuration)
<b>Wind Rating</b>	200 km/h (125 mph)
<b>System Weight</b>	including pack: 3.6kg (7.92 lbs); including pack and hammer 4.3kg (9.46 lbs)
<b>Pack Size (approx)</b>	400x300x200mm (15.7x11.8x7.9 in)

Specifications subject to change 4/02

**Moonraker Australia Pty. Ltd.** A.B.N. 57 009 531 211

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

Website: [www.moonraker.com.au](http://www.moonraker.com.au) Telephone 61 (0)3 6273 1533 Fax: 61 (0)3 6273 1749 Email: [radiocom@moonraker.com.au](mailto:radiocom@moonraker.com.au)