



Automatic Tuning Antennas

AH-760

Wide frequency type

AH-740

Compact type



Two types of high performance, automatic high-speed tuning antennas are available.

AH-760, Heavy-duty Moving Coil Antenna

- 200W PEP SSB, 125W PEP CW/DATA
- 1.6MHz–29.999MHz wide frequency coverage with the supplied whip antenna
- 350mS high speed tuning (while memory tuning)
- Tested to IP68 and MIL-STD-810G environmental standards

AH-740, Relay-Driven Compact Antenna

- Relay-driven compact automatic tuning antenna
- Compact and lightweight (3.5kg)
- 150mS typical high speed tuning (while memory tuning)
- Low power consumption (0.4A typical)

NVIS Kit (Option for AH-760 and AH-740)



AH-5NV



AH-5NV NVIS (Near Vertical Incidence Skywave) kit

- Fiberglass antenna element (4.5m; 14.8ft) for short range communication within approximately 500km* (* Depending on radio propagation conditions)

SPECIFICATIONS

	AH-760	AH-740
• Frequency coverage With 1.54m whip antenna With AH-5NV	1.6–29.9999MHz 1.6–16.0000MHz	2.5–29.9999MHz 2.2–29.9999MHz
• Output power rating	SSB: 200W PEP*, CW/DATA: 125W PEP*	SSB/DATA: 125W PEP
• VSWR With 1.54m whip antenna With AH-5NV	1.3:1 typical (50Ω) 1.5:1 typical (50Ω)	1.5:1 typical (50Ω) 1.5:1 typical (50Ω)
• Tuning speed New channel Memory tune	Less than 1.8 S Less than 350 mS	2–3 S typical 150 mS typical
• Number of memory channels	200 channels	45 channels
• Operating temperature	–40°C to +70°C; –40°F to +158°F	
• Power supply requirement	13.8V DC (10.8–15.87V)	
• Power consumption	1.87A typical (tuning)	0.4A typical
• Tune power	5–15W PEP, Rated 10W PEP	5–15W PEP, Rated 10W PEP
• Dimensions (W×H×D) (Projections not included) Height (with whip + spring)	840×100×100 mm; 33.07×3.94×3.94 in (Base unit) 2475 mm; 97.44 in	238×145×160 mm; 9.37×5.71×6.3 in (Base unit) 1909 mm; 75.16 in
• Weight (approx.)	5.2kg; 11.5lb	3.5kg; 7.7lb
• Mounting	M16×45mm	M16×45mm
• Environmental test	MIL-STD-810-G	MIL-STD-810-G
• IP Rating	IP 68 dust-tight and waterproof	IP 55 dust-protection and water jet resistance
• Supplied accessories	6m; 19.7ft control cable and 6m; 19.7ft coaxial cable	

* Maximum 6 minute continuous transmission at 35°C.



AH-760

AH-740

Above photos include mounting bases for photo shooting.