



Automatic Tuning Antennas:



American Communication Systems
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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)



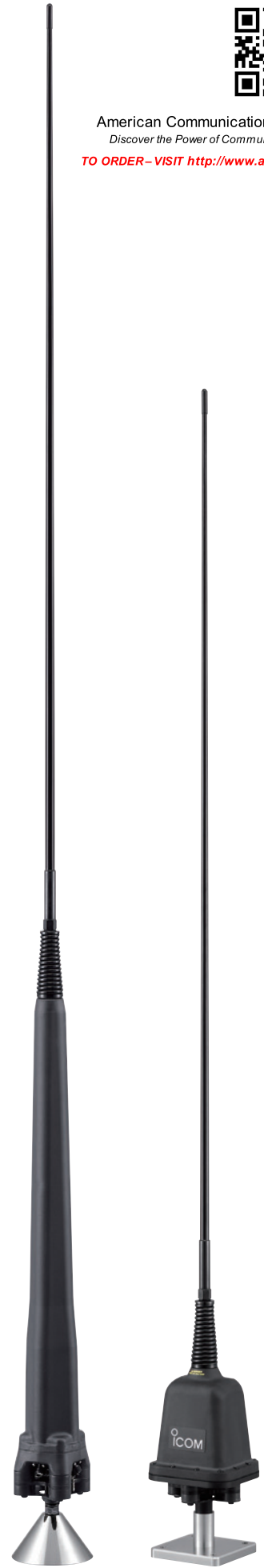
AH-5NV NVIS (Near Vertical Incidence Skywave) Kit

- 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.