



# 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



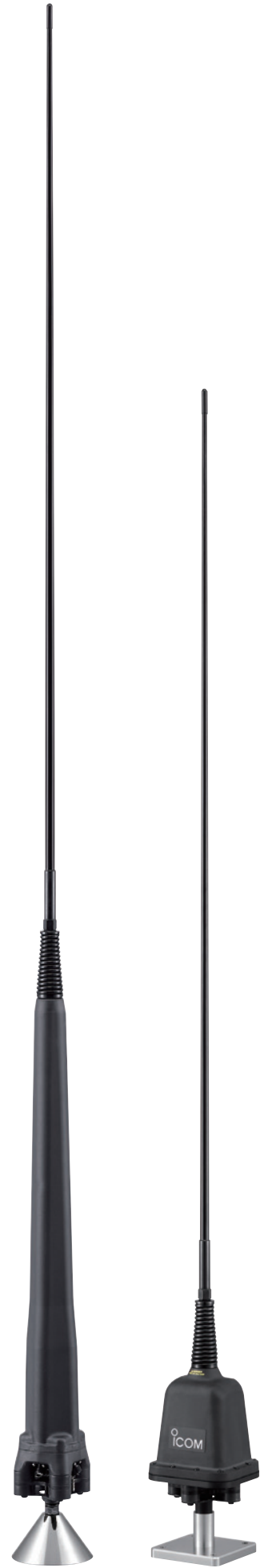
### AH-5NV NVIS (Near Vertical Incidence Skywave) Kit

- 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<br>With 1.54m whip antenna<br>With AH-5NV                    | 1.6–29.9999MHz<br>1.6–16.0000MHz                                       | 2.5–29.9999MHz<br>2.2–29.9999MHz                                     |
| • Output power rating   | SSB: 200W PEP*,<br>CW/DATA: 125W PEP*                                  | SSB/DATA: 125W PEP   |
| • VSWR<br>With 1.54m whip antenna<br>With AH-5NV                                  | 1.3:1 typical (50Ω)<br>1.5:1 typical (50Ω)                             | 1.5:1 typical (50Ω)<br>1.5:1 typical (50Ω)                           |
| • Tuning speed<br>New channel<br>Memory tune                                      | Less than 1.8 S<br>Less than 350 mS                                    | 2–3 S typical<br>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)<br>(Projections not included)<br>Height (with whip + spring) | 840×100×100 mm;<br>33.07×3.94×3.94 in (Base unit)<br>2475 mm; 97.44 in | 238×145×160 mm;<br>9.37×5.71×6.3 in (Base unit)<br>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.