

# MV-2000



## OPERATING MANUAL

### FEATURES

1. The **MV-2000** is an omnidirectional base station antenna of C-load type, which covers 50 & 144 & 430MHz with high performance and low VSWR.
2. The light weight construction permits the antenna can be installed at any places easily.
3. Because of the excellent quality, the **MV-2000** is Waterproof, rustless, and the maximum wind Resistance is 50 m/sec.
4. Both of three bands, 50 & 144 & 430 MHz, can be Transmitted simultaneously or transmitting one Band while receiving the other.
5. The DC ground structure of this antenna can Protect the equipments from high voltage caused By thunder lightning.

### ASSEMBLING PROCEDURES

1. Mount the radials on the base part of antenna.
2. Fix the mast bracket assembly on the support mast. Connect the coaxial cable the power supplying section of antenna through the inside of pipe bracket. Align the hole of pipe bracket to the hole under the base part of antenna.
3. Fix the antenna on the mast firmly by considering The balance

### ADJUSTING METHOD

The **MV-2000** is completely adjusted already. If the VSWR is high, it might be caused by the poor contact at each section. Check the connecting parts of coaxial cable and connectors as well as at the soldering parts. Be sure to use the 50  $\Omega$  type coaxial cable.

### NOTES

Direct ground structure is employed in the **MV-2000** . while in measuring the current by a tester, the core element and ground section are in open state (not short-circuited). If it is short-circuited. fully check the coaxial system including the connector section.

