

BC103

Operation Instructions

● Part name

To use this antenna properly, read this instruction thoroughly before using it, Keep this manual carefully at hand for later use.

Warning

Please follow the below notes to avoid the serious accidents.
 Don't attempt to install the antenna only by yourself. Installing the antenna alone on the roof may lead you dangerous accident.
 Always ask your friends for help installing the antenna.
 Don't install on a rainy or windy day since it is dangerous.
 Don't drop the antenna, tools and attachment when installing aligning the antenna in the height. Install the antenna before assembling it on the ground.

If the BC103 is located on the roof of a house or top of a building, look around the roof to see if there are any obstacles such as an electronic wire or TV antenna. The BC103 has to be located as far away as possible from those things to obtain its maximum performance. Installing the antenna too close to the building wall may cause bad effect for electrical characteristics of the antenna. Don't install the antenna where is easily reachable by people. Install the antenna firmly not to fall down due to the strong wind. Even if falling down the antenna, locate the antenna at the safe place where people and building are not inflicted injures.

Assembly Instruction

1. Attach the antenna to mast as shown in right figure by taking the entire balance in account. Do not install the mast above the mast bracket.
2. Pass the coaxial cable (with M connector) though the waterproof sleeve and join it to the connector to of the antenna. After connecting the coaxial cable, screw the waterproof cable into the bottom of the antenna.
 - Though the BC103 employs DC ground structure, the circuit across the center conductor and ground section is open circuit if it is measured by the volt-ohm meter. If it is close circuited, be sure to see the coaxial and connector section carefully.
 - If the antenna is not installed vertically, the primary performance is not show. Please install the antenna vertically.

Specifications

Frequency 144-174MHz Gain 2.15-3.2dBi VSWR Less than 2.0
 Maximum Power rating 300W Impedance 50Ω Connector M-J
 Length 1.25 m Weight Approx. 1.4 kg Type 1/2 wave – 5/8 wave
 Maximum wind resistance 60m/sec
 Mast diameter accepted φ30-62mm

Though these products purchased are manufactured under strict quality control, if damage is caused by transporting, ask your dealer promptly.

Design and specifications of these products will be changed for future improvement without advance notice.

