

# RHM8B

(BNC connector type)

## Operation Instructions

To use this antenna properly, read this instruction thoroughly before using it. This antenna (7-50MHz, 1/4 wave reduced type) is designed for amateur radio communication only. Keep this manual carefully at hand for later use.

### ⚠ Notes for Using the Antenna

To avoid inviting accidents, follow the below notices.

- ① This antenna is designed to work correctly when fixed to the portable transceiver for amateur radio communication. The antenna cannot be installed with coaxial cable.
- ② Do not touch the antenna during transmission. Touching the antenna during transmission may cause to electrify.
- ③ When the antenna is fixed and detached, be careful not to hit on your face and body with the antenna.
- ④ Be sure to confirm if the connectors between the transceiver and the antenna are same type.
- ⑤ Do not install the antenna on the transceiver all the time due to the issues of the product strength and waterproof. This antenna is prohibited from using for mobile.

### ● Description

- ① The RHM8B can be operated on wide band 7-50MHz. It is OK to use the RHM8B only when portable operation.
- ② It is easy to adjust frequency by up-down of the rod element.
- ③ The rod element can be detached and the antenna becomes compact.

### ● Assembly

Put the rod element into the upper parts of the antenna body and fix it. (Keep the rod element retracted.)

### ● Attention

1. The connector of the RHM8B is the BNC-P. It is not so strong. Please install the antenna vertically to have better performance.
2. Install the antenna direct to the portable transceiver. If using the coaxial cable, the SWR may not be lower.

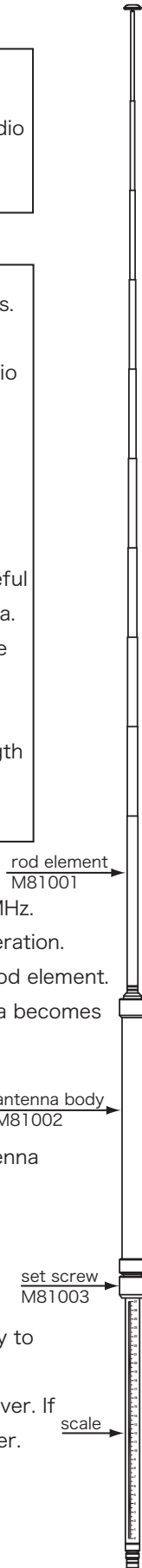


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Analogique - Numérique - SDR

**DIAMOND**  
ANTENNA

● Part name (number)



### ● Adjustment

1. Please confirm the antenna body position in the right chart.
 

scale position
2. Loosen the set screw as a half turn by hand. (Keep the rod element retracted.)
3. Slide the antenna body to the request frequency and fix it with the set screw by hand. Make the rod element full length.

\*Do not use any tools such as pliers when fasten the set screw. The antenna may be damaged.

4. Transmit and measure the SWR. If the tuning frequency is lower than the request frequency, make the rod element short or make the antenna body down.
5. If the tuning frequency is higher than the request frequency, make the antenna body up.

\* The SWR may not be lower depending on how to hold, carry or put the portable transceiver.

### ● Specifications

Frequency: 7-50MHz Band  
 Max. Power rating: 120W (SSB)  
 Impedance: 50Ω  
 Length: 0.5-1.78m  
 Division length: 0.38m (antenna body only)  
 Weight: 285g  
 Connector: BNC-P  
 Type: 1/4 wave reduced type (HF Band).  
 1/4 wave (50MHz Band)

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.