



ANTENNA

M. DEL BR20.

0.5MHz~1.3GHz

GP antenna dedicated for broadband reception

Good Handling Instructions

Thank you very much for your purchase.

For your safe use

Please read these instructions carefully before using the device and use it in the correct manner. Please keep this manual in a safe place so that you can refer to it whenever necessary.

*Before assembling, please make sure that all parts are in accordance with the parts list below.

[Gyudera Chou]

z Newly designed wideband amplifier provides high gain and clear reception sensitivity.

The device belongs to a battery stay with LEDs that light up when the device is in operation.

Specifications

Receiving frequency : 0.5MHz~1.3GHz *Transmission is not available.

Amplifier gain : -5dB on average

Amplifier NF: approx. -4dB · P3: approx. 3.dB · Bias voltage: DC 9 to -6V

Impedance : S.Q (unbalanced) · Connection : M-J type

Installation diameter range: 3~62mm

Wind resistance: Resists wind speeds up to 6.0 m/sec.


Total length: approx. 2.35 m (when support pipe is installed)

Weight : Approx. 0.55 kg (antenna body)

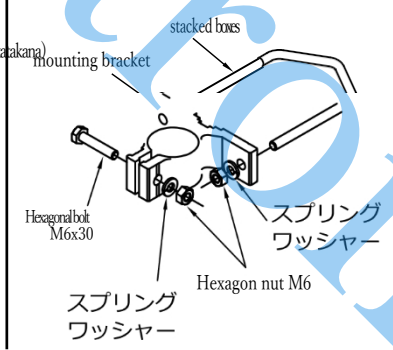
Connect the antenna to the biasti with a coaxial cable up to 20 meters long.

If the length is longer than this, there is a possibility that the 'amp' may not work due to a drop in the supply voltage.

BR200 Parts List

| | littlest. | volume |
|--------|---|---|
| long | BR200 a) Tena main body | long vowel mark (usually only used in katakana) |
| now | | |
| d | | |
| mar | | |
| k | | |
| usu | | |
| ally | | |
| only | | |
| use | | |
| din | | |
| late | | |
| radius | | |
| a) |  Mounting and installation precautions | long vowel mark (usually only used in katakana) |
| | Supporting Lipids When working at high places such as on a roof, be sure to use a safety cap and safety belt to prevent falling accident and injury. Make sure that the connector on the connecting cable and the antenna are of the same type before connecting them. If they are different junction types, there is a high possibility of damaging the connectors. Please tighten all screws and metal fittings firmly. If they are not secured properly, they may loosen due to earthquakes or passing vehicle vibrations, etc., resulting in a falling accident or defective electrical characteristics. For long term installation are (square proofing well). | long vowel mark (usually only used in katakana) |
| 4 | Wassiya 1` hexagonal nut set) | two types long vowel mark (usually only used in katakana) |
| | Please " If there is a problem with the waterproofing treatment, it may cause shorts, corrosion, or other defects. Please pay attention to other antennas, high-voltage cables, towers and high-rise buildings. If there are any objects in close proximity, the performance of the antenna may not be fully demonstrated. | long vowel mark (usually only used in katakana) |
| 5 | Hexagonal bolt M6X10 (with spliced washer) | -team |
| 6 | bias stay 1 | long vowel mark (usually only used in katakana) |
| 7 | Self handling stay (20mm) | 1 |

r- z mounting brackets



I'd like to thank you for your continued support and cooperation.

As for the mounting brackets, assemble two sets as shown in the figure above. Please refer to the next page for instructions on how to assemble and use the antenna.

After connecting the coaxial cable, make a coaxial cable as shown in the figure on the right. Make and fix the coaxial cable as shown in the figure on the right.

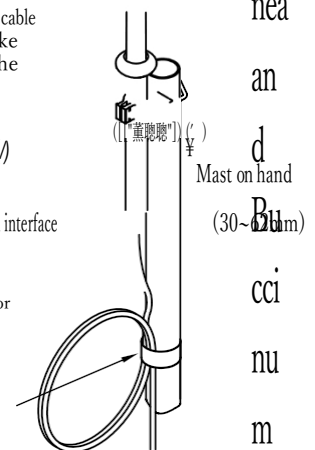
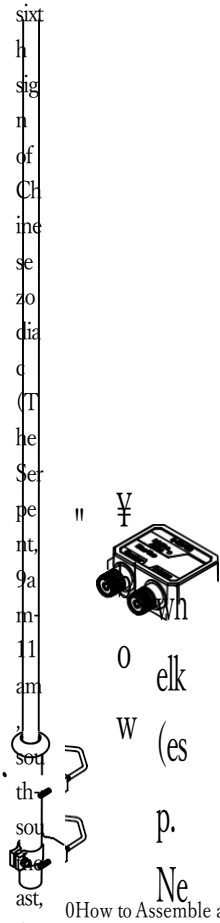
Please do so.

3に -

(50Q) (f)

coaxial interface

To avoid overloading the gables, make one or two pulls to secure them to the mast.



Antenna assembly

-) Pass the coaxial cable through the support and the two mounting brackets as shown in the figure to the right and engage the connectors. Make sure to waterproof the connector at this time.

2) Insert the support pipe from the lower side of the antenna, align the screw holes with the holes in the pipe, and tighten with M6X8 bolts and spring washers.

3) Insert the two sets of mounting brackets outside the support pipe, orientate them and attach them to the mast pipe. Fix the two sets of brackets so that the distance between them is between -30mm and -50mm.

2nd note in the diagram scale (used in key names, etc.)

1.6 * Self-bonding tape when waterproofed should be stretched to 5~2 times

its original length.

Wrap the tape so that half of the tape width overlaps.

* When waterproofing, the self-bonding tape should be extended to 1.5~2 times its original length.

For long-term installation, wrap the top of the tape with vinyl tape to protect it from the weather.

The coaxial cable that connects to the antenna is connected to the Antenna connector on the bias stay. The coaxial cable to the antenna is connected to the antenna connector on the bias stay. The coaxial cable between the receiver and the bias stay is connected to the receiver connector.

2. After completing the connection from the antenna to the receiver, connect the red and black cords from the no oyster earliest to an external power supply that can handle up to 9 to -6 V DC, and set the power supply to the "N" state. At this time, if the LED in the center of the "bias tee" lights up, the receiver is ready to receive.

3. Please use the receiver with the power set to "N" ().

Note: This product is an antenna for reception only, so it is not a transmitter.

You cannot send a message. If you try to force a transmission Amplifier section is damaged and reception is also disabled

Please note that the following is a list of the most common problems.

Table 2 - The sound of the electronic sound is a precision electronic sound and is made by B products, so it may be damaged by static electricity. Please be careful not to touch the connectors, etc. in an electrified state, especially in winter. (Even if it does not look like sparks fly, it may be damaged by static electricity.)

注3. 強電界の電波に対しては、アンプ歪みを生じ、音の歪みやノイズ感が強くなってしまうことがありますのでご了承ください。

External view of the installation

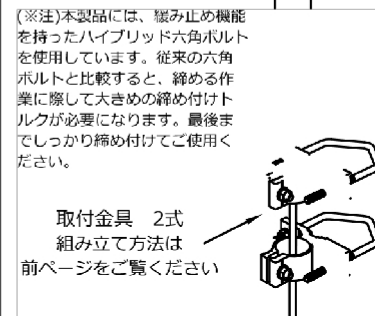
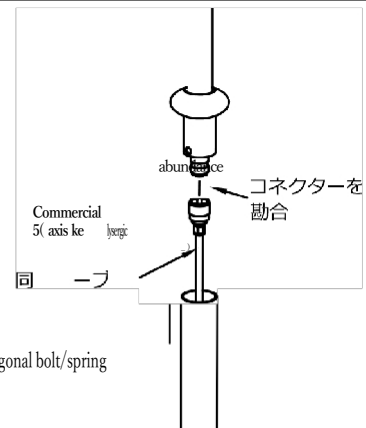
Precautions for use of ① 使用用注意

This product contains electronic circuits and may malfunction due to static electricity. Please handle with care. If you touch the antenna or coaxial cable when lightning occurs, you may be electrocuted by direct or induced lightning.

To minimize the risk of the radio, it is recommended that you disconnect the power cable when lightning is approaching.

Do not attempt to modify, disassemble, or repair the product by yourself. There is a possibility of unexpected accidents. In addition, do not perform any actions that are not covered by the warranty.

The product is not eligible for free repair due to the following reasons.



バイアスティー 接続概要図

(アンプ自身はアンテナ部に内蔵されています。)

DC bias コード 赤(+), 黒(GND)

動作時点

バイアスティー

受信機側端子 アンテナ側端子

M-P

5D-2V 等

ケーブル長の制限はありません。

M-P

受信機へ

After-sales service

Replacement parts are available for lost, repaired or damaged parts and for replacing deteriorated parts after long-term use.

Produced under strict quality control

別売の同軸ケーブル(50Ω) 5D-2V等 両端 M-P付, in the event of any malfunction, please contact the dealer where you purchased the product.

Inspection and care

When a phenomenon that appears to be an astringent abnormality occurs, discontinue use immediately.

*For repairs, etc., please contact the dealer from whom you purchased the product or our service representative. Please check the looseness of the screw parts and the installation condition periodically.

1 Please note that specifications and appearance are subject to change without notice for quality improvement.

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