

# AB-380 108 - 140MHz / 220 - 400MHz

## Instruction Manual

Thank you for purchasing our products.

**For your safety :**

Read this manual carefully for proper handling and operation before using.  
Keep this manual in a safe place for future reference.

**Note: This product is for air band reception only.**

**Transmission of VHF / UHF band of amateur radio frequency is not possible.**

**[Features]**

- This is a compact antenna for air band reception that can be easily installed on verandas and used as a mobile reception antenna.
- The element is thin and lightweight glass fiber and integrated structure, it is excellent in strength, electrical property, waterproofness and weather resistance.

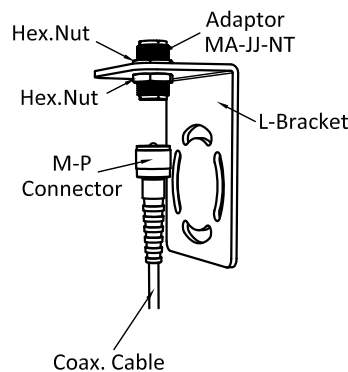
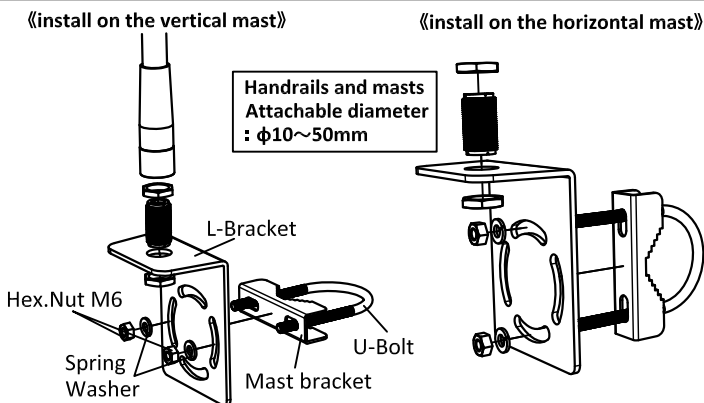
**Before installation!**

If you open the package, please check the parts.

	Parts List	Qty.
1	AB-380 Aerial	1
2	L-Bracket	1
3	Mast Bracket	1
4	U-Bolt	1
5	Hex.Nut M6	2
6	Spring Washer for M6	2
7	Adaptor MA-JJ-NT (included Hex.Nut 2pcs. for fixing)	1
8	Coax.cable RG-58/U 10m Connector M-P / M-P	1
9	Self fusing tape (20cm)	1

**[Example of installation]**

1. Attach the base bracket to the veranda handrail or mast as shown below.
2. Attach the included connector MA-JJ-NT to the hole part of the L bracket, and tighten and fix the nut at the same position where both the upper and lower projection length.
3. Tighten the attached coaxial cable from below to fix it.
4. Wash the attached self-fusing tape around the lower connector while extending it about twice and waterproof.
5. Tighten and secure the antenna body on the upper side of the connector.



【 Antenna Image 】

M-P Connector

**⚠ Caution on installation**

- The thread size of the MA-JJ-NT connector is M16 × P1. Please note that it can not be connected with PL-259 or UHF connectors that have similar shapes.
- Make sure that the connector of the connection cable engages with the connector of the antenna system. If it is a different type, it can not be connected or it may be damaged.

**⚠ Handling precautions when using as a mobile antenna**

- If the antenna connector and fixing screws are tightened firmly while moving away, it may cause damage or damage to equipment.
- If you hit a branch of a tree while driving, the antenna may break or scatter and cause an accident.
- Be careful not to raise the speed too much, as it may fall or tip over due to wind-pressure on the antenna when mounted on a magnet base and driven.
- If there is metal conductor such as other antenna or car body near this antenna, the influence will cause SWR decrease and resonance frequency shift. In this case, please change the mounting position of antenna.

**[Specifications]**

Receiving Frequency Range : 108 - 140MHz  
220 - 400MHz

Impedance : 50Ω

Length : approx. 1.17m

Weight : approx. 520g (included bracket weight)

Max. Wind Load : 60m/s

Mounting Mast Diameter : φ10-50mm

Antenna Connector : M-P (PL-259)

Coax.Cable : RG-58/U length 10m

Connector M-P / M-P

**⚠ Caution**

- This product is designed for receiving only.
- Please do not use it for transmission purposes. It may cause fever or damage.
- If a phenomenon that seems to be abnormal occurs during use, stop using it immediately and check the antenna status.
- Check if the antenna connector fits into the radio connector.
- Repairs and modifications by the customer themselves may cause damage.

■ Specifications or appearance is subject to change without notice.

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