

**Magnetic base antenna
for air band reception**

MA-AIR Band

Detachable
SMA-P
(Included)
M-P/N-P/BNC-P
(Optional)
Interchangeable


Cable Length
5m

Features

- Air band reception antenna for 120 / 300 MHz band
- Detachable connectors allow SMA-P and optional M-P/N-P/BNC-P interchangeability to accommodate various receivers
- Strong magnet is used, easy installation, and an anti-scratch transparent seal is included.

SMA-P connector included

Low-loss FME-J is used, and the connector can be replaced to match the receiver.
Tighten firmly with a wrench to prevent loosening.

 SMA-P connector

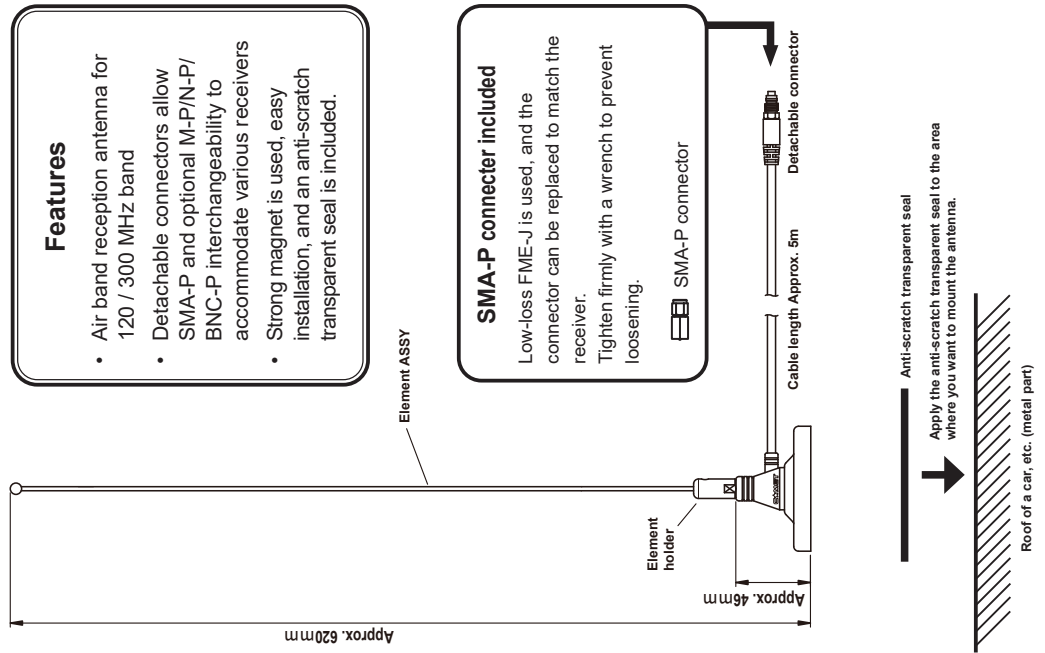


Figure 1: How to assemble the antenna

Instruction Manual

Thank you very much for choosing our products.

For your safety

Please read through this instruction manual before using the product for assembly and proper operation.

Included components

- Element ASSY (with element holder)
- Hexagonal wrench for M4(Opposite side 2mm)
- Anti-scratch transparent seal
- Magnetic base (with coaxial cable)
- SMA-P Connector

Assembly and Installation (see Fig.1)

- 1 Screw the element holder firmly into the threaded part of the power feed where the coaxial cable is connected. Tighten the element holder about +1/8 turn from the point where the element holder lightly touches the power feeder to secure it in place.
Be careful not to over-tighten the screws as this may cause damage.
 - 2 After deciding on a location for the installation, clean the area around the vehicle roof, etc., and apply the anti-scratch transparent seal.
If the anti-scratch transparent seal is attached with dust or dirt, the seal may peel off or scratch the roof surface. When installing the antenna, tilt the antenna at an angle to the location where the scratch-preventive transparent seal is attached, gently touch the edge of the magnetic surface of the main unit to the installation location, and then raise the antenna.
 - 3 Install the antenna on a surface where it stands vertically as much as possible.
 - 4 To remove the antenna, grasp the antenna element near its base and tilt it at an angle.
- * The antenna can be used without adjustment, but reception sensitivity will vary depending on the size of the vehicle roof and the installation position. Please install the antenna in a position where it can best receive the signal.

Precautions for Handling

- This product is intended for air band reception. Do not use this product for any purpose other than as an antenna.
- In accordance with vehicle safety standards, do not install in a position where visibility is impaired or where it interferes with driving operation.
- This product operates with the metal surface to which the magnet is adsorbed as the ground plane. Performance is achieved by placing the antenna on a metal part such as the roof of a car.

Precautions for Use

- Please note that if the antenna hits a tree or obstacle while driving, it will result in the antenna falling off.
- When removing the antenna, do not pull on the cable to remove it, as this will cause the cable to break. Also, please note that attempting to remove it by sliding it to the side may result in damage to the vehicle body.
- As this is a receiving antenna, do not connect a transceiver to it for transmission. Doing so may result in unexpected accidents or malfunctions.
- Do not modify or repair the product by yourself. Doing so may result in unexpected accidents.
- When driving while installed, do not drive at speeds higher than 110 km/h to prevent falling off.
- Please note that if the product is installed for a long period of time, installation marks may remain on the vehicle or there may be a color difference from the surrounding paint color.

Maintenance

- Stop the use of this antenna immediately if you see the slightest trouble, and ask the local shop you purchased this product.
- Periodically check for loose threads and retighten them if they are loose.
- Do not use parts that are deformed or have deteriorated over time. Replace them immediately.

Specifications

Frequency: 120MHz band 108~140MHz
300MHz band 220~400MHz

Polarization: Vertical polarization

Type: 120MHz band $1/4\lambda$
300MHz band, $3/4\lambda$

Impedance: 50Ω (unbalanced)

Connector: SMA-P x 1

Coaxial cable: RG-58A/U equivalent approx.5m

Total height: approx. 620mm

Weight: approx. 440g

Optional



M-P connector



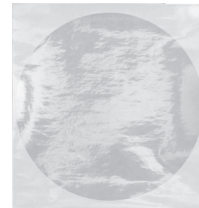
N-P connector



BNC-P connector



SMA-P connector
(Equivalent to
included component)



Anti-scratch
transparent seal
(Equivalent to
included component)

*Specifications or appearance is subject to change without notice.

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