

## Model: M-24M, M-24B, M-24S

144MHz & 430MHz Dual Band  
Magnet-base Mobile Antenna

Please read this instruction manual before using this product, and keep it.

### Features:

- This antenna is 144/430MHz dual band use.
- Adopts the magnet-base easy to set-up.

### Specifications:

- Type : 144MHz  $3/8\lambda$  & 430MHz  $1/4+5/8\lambda$
- Frequency : 144 ~146 MHz & 430 ~440 MHz  
(Wide reception 100~170MHz & 350~470MHz)
- Gain : 1.7/4.15dBi
- Impedance : Nom. 50  $\Omega$
- V.SWR : Less than 1.5
- Max. Power : 80 Watt
- Height : Approx 0.48 m
- Weight : Approx 500 g
- Connection : Choice between three connection principles.  
Permanently attached 4m coax.cable
- ★ M-24M : terminated with Mp-connector.
- ★ M-24B : terminated with BNCp-connector.
- ★ M-24S : terminated with SMAp-connector.

### Warning:

- Do not poke your eyes by handling of the antenna.
- Please do not touch antenna while transmitting, might get burned.
- Attach an antenna, and please do not drive one's vehicle more than 100Km/h.  
Become the cause of the accident by the antenna scattering.
- Ensure that connectors and screws are tightened.  
When it comes off, cause an obstacle and the instrument damage.

### Installation:

1. Set an antenna at a flat surface including the roof of the vehicle, and measure SWR.
2. Move an antenna, and fix it at the place where SWR becomes best.

### Note & Remarks for handling:

- When dirt stay at setting surface, magnetic adsorption power fall down.
- When remove an antenna of the vehicle, do not pull a coaxial cable, and do not let it slide.
- Please drive carefully so that the branch of the tree does not hit the antenna.
- Remove an antenna from the vehicle when not in use.  
Paint of the vehicle may discoloration by installing it for long term.

### Note & for operation:

- Use this antenna for only a purpose of the amateur radio communication.
- Please do not use than specifications, and generate heat and damage.
- We will not be responsibility for the damage and the malfunction, casued from by end-user repair or remodeling.
- ★ Reserve the right to amend specifications without prior notice.

### Maintenance:

- ★ When a phenomenon to seem abnormally occurred, stop use promptly, and please confirm a cause.
- Check SWR of the antenna before use.

