

## PWR-4CROSS 10m/6m/2m/70cm FM Mobile Antenna

### Specifications

Gain	2.15 dBi (10m, 6m, 2m) 5.5 dBi (430MHz)
Power	60W FM
Impedance	50 $\Omega$
Connector	PL-259
V.S.W.R	Less than 1.5
Length	123cm
Weight	487gr
Grounding	Required

### Notes for Using the Antenna

To use your antenna **PWR-4CROSS** by Komunica<sup>®</sup> properly, please read carefully these instructions before using and keep this document on-hands for later reference.

The **PWR-4CROSS** by Komunica<sup>®</sup> is a 10m/6m/2m/70cm FM Quad Band Mobile antenna.

Ideal for emplacement on Trunk Lid Mounting and not recommended for magnet base or mounting in centre of roof.

Grounding is required for optimum performance.

#### Please note:

1. This antenna requires tuning to desired frequency. It is tuned for FM segment of each Amateur band.
2. Use a quality VSWR meter to insure a proper adjustment.
3. The **PWR-4CROSS** requires a strong mount and a proper vehicle grounding.
4. Mounting location will affect VSWR. Ideal for emplacement on Trunk Lid Mounting.
5. It is not recommended for magnet mounts or mounting in centre roof.

## Installation Instructions

1. Remove your antenna from package and verify its contents to insure it is complete.
2. For a maximum strength and performance of your **PWR-4CROSS**, it's very important to choose a proper mounting location, with a good vehicle ground.

Matching network is compensated for trunk lid mounting and not recommended for centre roof mounting nor magnet base.

3. Install your **PWR-4CROSS** antenna on vehicle. Be sure that your trunk-lid makes good contact and it's properly fixed for your personal security.
4. Use a quality VSWR meter and check V.S.W.R. of each band for a proper tuning.

## Adjustment

Firstly, check VSWR on 6 meters:

Loosen set-screws (*PWR01006*) on base coil (*PWR01007*) and then find the centre of frequency for a best performance of your **PWR-4CROSS**.

Upon obtains an acceptable VSWR on 6 meters & 2 meters, tighten set-screws (*PWR01006*) strong.

Please follow the same instructions to adjust properly the 10 meters band by the tuning whip: Raising the whip (*PWR01001*) will affect both, 6 meters & 10 meters centre frequency.

It is best to tune the 6 meters band first to reach optimum centre frequency, then proceed to adjust for 10 meters optimum centre frequency.

Tune until obtain a satisfactory VSWR at both 6 meters & 10 meters centre frequency.

Verify setting results in best fit for each band.

Tighten set screw (*PWR01008*) using removable "Loctite" or similar product to insure a proper fastening of setscrews and whip section.

In case you have difficulty in tuning the 10 meters & 6 meters bands, the cause would be most likely attributed to grounding characteristics of the vehicle trunk lid.

It is sometimes necessary to add short grounding straps or copper braid from trunk lid to body panel, to lower resonant frequency.



Errors and omissions excepted (E&OE)

