

JPC-12 GP PORTABLE SHORTWAVE ANTENNA

<https://chelegance.com/products/jpc-12-gp-portable-shortwave-antenna/>



1-1. DESCRIPTION & SPECIFICATION

The JPC-12 is a compact and portable shortwave antenna that provides reliable signals no matter where you go. With its frequency range of 40m to 6m (7MHZ to 50MHZ), this antenna is suitable for a wide range of amateur radio applications. The compact design allows the antenna to be stored in a small bag, while the easy setup process takes just 5 minutes.

The new version of the JPC-12 optimizes the inductor coil again by using manganese steel material, increasing the strength of the shrapnel for more reliable contact with the coil, and adding grooves in the contact position so that the contact can be accurately seated on the coil.

Antenna Characteristics

- 1- Light weight, small size, easy to carry
- 2- Easily work in multiple bands
- 3- Convenient and fast erection, one person can complete the erection in 3 minutes
- 4- It is very suitable for outdoor platform, business trip or balcony erection
- 5- The aluminum tube base is sandblasted and oxidized to black, which is very beautiful and high-grade.

Length Collapsed	34.5cm
Length Extended	410cm
Power	100w
Weight	1.4 kg
Frequency Coverage	40m to 6m (7MHZ to 50MHZ)
Connector	PL259
SWR	1.1 (40m <1.3)

1-2. PART LIST

- 1 X TELESCOPIC WHIP
- 1 X ANTENNA BASE
- 4 X ALUMINUM ARM
- 1 X MULTI-BAND COIL
- 1 X RADIAL SYSTEM
- 1 X GROUND ROD
- 1 X USER MANUAL
- 1 X PORTFOLIO BAG



1-3. INSTALLATION GUIDE

- Select a suitable location for the JPC-12 antenna base and choose whether to use a tripod or a ground rod depending on the situation.
- Put the connection ring of the radials directly over the ground rod/tripod and tighten it to the base, then install the BASE—— the 4*ALUMINUM ARM—— the MULTI-BAND COIL—— the TELESCOPIC WHIP in sequence.



***NOTE 1**

Add another coil without sliding regulator(can be customized). If the two coils are superimposed together and added with a 20-meter radials, it can work in the 80-meter band.

***NOTE 2**

JPC-12 antenna can also be set up on the balcony, as long as you find a way to fix the base part, the ground mesh can be laid on the balcony or hang down, the vibrator can be used horizontally out of the balcony for better effect.

(Be sure to pay attention Safety, take protective measures, the user shall be responsible for the personal injury or financial loss caused by the fall.)

***NOTE 3**

The whip of the JPC-12 antenna for operation in each band

7MHZ in 4 circles near the side of the aluminum tube,the whip collapse about 10cm,

SWR1.1-1.3 (on the red line with the silver mark)



14MHZ in 6 circles on the side of the antenna whip , the whip collapse about 20cm,
SWR1.1-1.3 (on the red line with the gold mark)



21.4MHZ with 4 sections of aluminum tube + 7 sections of antenna whip+ 10cm, SWR1.1-1.3

29.6MHZ with antenna whip only. extend all and collapse half section, SWR1.2

1-4. RECOMMENDATIONS ON ACCESSORIES

[CNtoU TRIPOD FOR MC-750 AND JPC-12](#)

Reach out to us if you have any problems: support@chelegance.com

HAVE FUN WITH JPC-12, 73!