

JPC-7 DP PORTABLE SHORTWAVE ANTENNA

<https://chelegance.com/products/jpc-7-dp-portable-shortwave-antenna/>



1-1. DESCRIPTION & SPECIFICATION

JPC-7 is a Mini portable antenna designed for field communications, simple and quick to set up, a person can be completed in 5 minutes.

The new version of the JPC-7 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.

Length Collapsed	34.5cm
Length Extended	6.56m
Power	100w
Weight	1.8 kg
Frequency Coverage	40m - 6m (7MHZ - 50MHZ)
Connector	PL259
SWR	<1.3

1-2. PART LIST

- 1 X TRIPOD ADAPTOR
- 1 X 1:1 CHOKE BALUN
- 2 X SREWS (Rubber Head Bolts)
- 1 X ANTENNA V-BASE
- 2 X ROTATING ARM KIT (BRASS CONNECTOR)
- 2 X MULTI-BAND COIL
- 4 X ALUMINUM ARM 19X320MM
- 2 X TELESCOPIC WHIP 2.5M
- 1 X BALUN BANDAGE
- 1 X PORTFOLIO BAG 37X23CM



1-3. INSTALLATION GUIDE

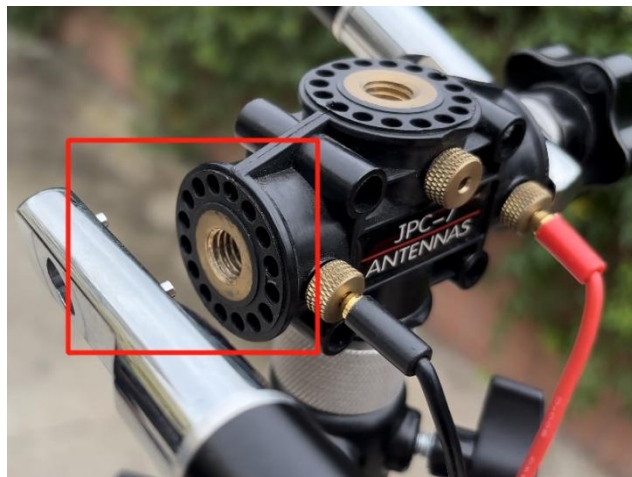
- Use **TRIPOD ADAPTOR** to connect **V BASE** and tripod.



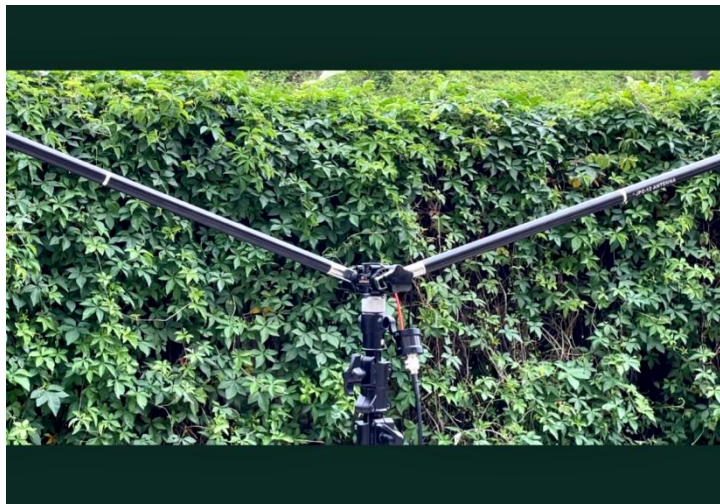
- Insert the **BALUN** plug into the corresponding screw holes to connect with Vbase (the plug does not distinguish between left and right).



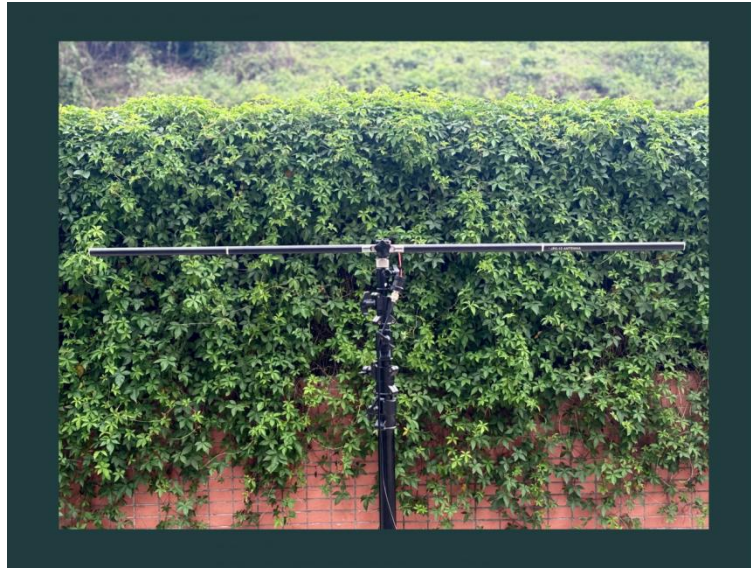
- Screw the 2 set of **BRASS CONNECTORS** into the **V-BASE**. There are many slots on the **V-BASE** that you can choose to mount in, allowing the DP antenna to be positioned at different angles.



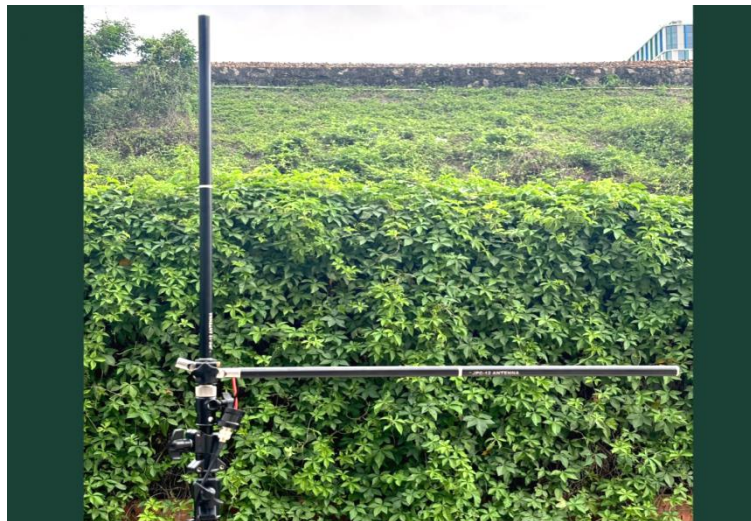
- **V-shaped Set-up**



▫ **Horizontal Set-up**



▫ **Right-angle Set-up**



- Connect the **ALUMINUM ARM** and **MULTI-BAND COIL**.



- Multi-band coil adjustment reference data

We consider the end that connects to the **ALUMINUM ARM** to be the lower end and the section that connects to the **TELESCOPIC WHIP** to be the upper end.

- a. **40-meter band:** The position marked by the red line at the lower end of the coil.



- b. **20-meter band:** The position marked by the red line at the upper end of the coil.



- c. **15-meter band:** The position of the top two turns of the coil.

d. **10-meter band**: Pull out all 10 sections of the **TELESCOPIC WHIP**, and then retract one of the **WHIP** to about 7cm (This band does not require the use of a coil).

***Please note:**

To adjust the length of the antenna, simply shorten the whip on one of the sides; no adjustment is needed on the other side.

- Finally, connect the **TELESCOPIC WHIP** to the top of the **MULTI-BAND COIL** after it is fully extended.



***NOTE 1**

The above data is based only on the antenna at the maximum angle of the **V-shaped setup**. And the data will be different if the angle is changed.

***NOTE 2**

The shrapnel contact will only touch the marked coil and not the neighboring coils.

1-4. RECOMMENDATIONS ON ACCESSORIES

[CNtoU Chelegance TP16'\(4.8 meter\) ANTENNA MAST FOR MC-599/JPC-7](#)

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

HAVE FUN WITH JPC-7, 73!