

## **JNCRADIO MC-750 PORTABLE HF GP ANTENNA**

<https://chelegance.com/product/jncradio-mc-750-100-watts-portable-hf-gp-antenna/>



### **1-1. DESCRIPTION & SPECIFICATION**

MC-750 is a 7-50MHz, 100-WATT GP antenna designed for portable applications.

For Frequencies above 14MHz it is used as a full size (1/4 wavelength) antenna. And a coil is used for 7MHz.

All the components are packed with a 65CMX9CMX7CM carry bag which makes it very easy to be carried by operators for field operation.

FREQUENCY RANGE	7MHz-50MHz
POWER	100 WATTS PEP
IMPEDANCE	50 OHMS
COUNTERPOISE	4 X 3.5M
WEIGHT(KG)	1.8
DIMENSION(CM)	65X9X7

*//WARNING: Do not power the antenna more than its PEP power ratings.*

## 1-2. PART LIST

- 1 X GROUND ROD(ANT BASE ATTACHED)
- 1 X 7MHZ COIL
- 1 X 50CM ANT ARM
- 1 X 5.2M WHIP
- 4 X COUNTERPOISE WIRES(radials)
- 1 X WIRE COLLECTOR BOARD
- 1 X CARRY BAG

## 1-3. INSTALLATION GUIDE

- Connect the 50CM antenna arm to the ground rod(antenna based attached)
- Insert the ground rod to the ground, the deeper the better.
- Insert the 4 counterpoise wires into the 4 \*holes\* to the antenna base, spread the counterpoises to different angles



- If you want to use 7MHz band, connect the 7MHz coil to the antenna arm. If not, skip this step.
- Connect the 5.2M whip to the antenna arm(top of the 7MHz coil if you want to operate on 7MHz)
- There are reference points printed on the whip antenna. Adjust the length of the whip to meet your desired frequency according to the reference points.



- Although there are reference points, you might still need to do fine adjustments to the length of the whip antenna until you get a sensible VSWR readings(From an in/external VSWR meter, VNA or antenna analyzer).

## **1-4. RECOMMENDATIONS ON ACCESSORIES**

- It's recommended to have antenna analyzer or VNA to be able to read the parameters of the antenna set up.
- Of course it will be great if you have an antenna tuner

**Reach out to us if you have any problems: [support@chelegance.com](mailto:support@chelegance.com)**

**HAVE FUN WITH MC-750, 73!**