

JNCRADIO JHEX-6, 2000-WATT **6-BAND HEXBEAM HF ANTENNA,** **20/17/15/12/10/6**

<https://chelegance.com/products/jncradio-jhex-6-2000-watt-6-band-hexbeam-hf-antenna-20-17-15-12-10-6/>



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1. DESCRIPTION & SPECIFICATION

JNCRADIO JHEX-6 is a high-performance, full-size 6 band Hexbeam HF antenna. It covers the 20, 17, 15, 12, 10, and 6-meter bands, and supports power levels up to 2000 watts PEP, making it ideal for DXing and high-duty-cycle operation.

Featuring modular design, the antenna allows for quick and tool-free assembly, enabling easy installation by a single operator. Additionally, it comes equipped with a 1:1 balun and has a total weight of approximately 12 kilograms, ensuring portability and ease of setup.

In summary, JNCRADIO JHEX-6 is a robust, high-performance, and user-friendly multi-band HF antenna, perfectly suited for amateur radio enthusiasts who demand superior performance.

Frequency	FULL-SIZE 20/17/15/12/10/6 METER BAND
Withstand Power	2000-WATT PEP
Accessory Information	1:1 BALUN INCLUDED
Weight	12kg
Packaging Dimensions and Quantity	1 x 1.4m*0.16m*0.16m 1 x 0.3m*0.3m*0.2m

2. PART LIST

- Main Structure
 - 1 × Main Support
 - 1 × Mounting Base



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- Antenna Mast
 - 6 × Antenna Mast S Size



- 6 × Antenna Mast M Size



- 6 × Antenna Mast L Size



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- Wire Elements
 - 1 × 6m Wire Element
 - 1 × 10m Wire Element
 - 1 × 12m Wire Element
 - 1 × 15m Wire Element
 - 1 × 17m Wire Element
 - 1 × 20m Wire Element



- Accessories Kit
 - S/M/L Screws
 - S/M/L Clamps



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- Note ⚠:

One antenna mast of each size (S/M/L) has been pre-assembled with clamps and screws as a reference. For the remaining antenna masts, install clamps with the screws in the same positions as the reference. Please refer to the illustration below for guidance.



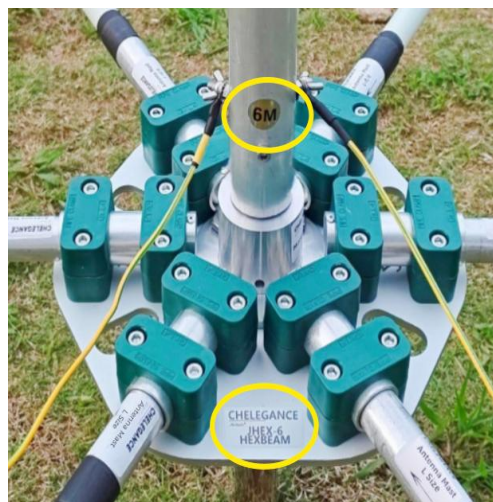
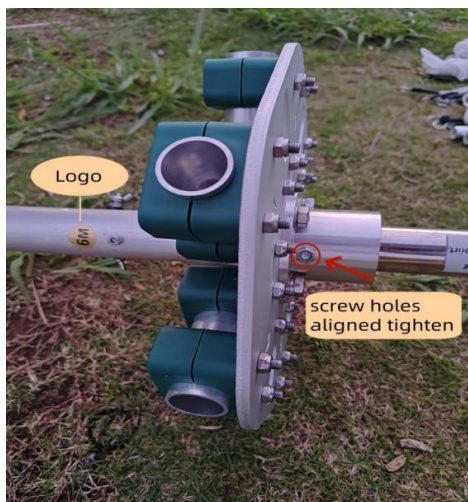
3. INSTALLATION GUIDE

Step 1: Assemble Main Support and Mounting Base

- Remove the screws from the mounting base.
- Insert the main support into the mounting base.
- Reattach the screws to secure it firmly.

-Note ⚠:

Ensure that the logo on the mounting base and the yellow logo on the main support are facing the same direction. Refer to the image on the right for proper alignment.



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Step 2: Install Clamps and Screws on Antenna Masts

We have pre-installed the clamp positions on one S/M/L antenna mast. Simply use this pre-assembled antenna mast as a reference to install the clamps on the other antenna masts accordingly.

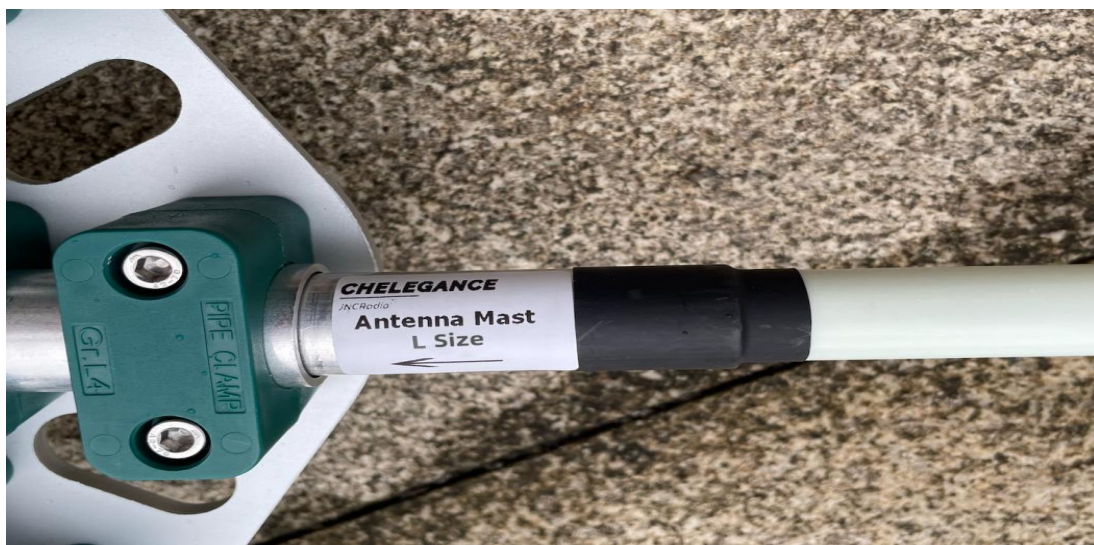
- Note ⚠:

- **Orientation:** Ensure all clamps are installed with the opening facing upward (to securely fasten the wire elements)
- **Matching Components:** Use the correct clamp size for each antenna mast (e.g., S clamps → Antenna Mast S Size...)



Step 3: Assemble the Antenna Masts

- First Set Assembly (Antenna Mast L Size → M → S):
 - Insert the L size antenna mast into the side socket of the mounting base, following the direction indicated by the arrow.



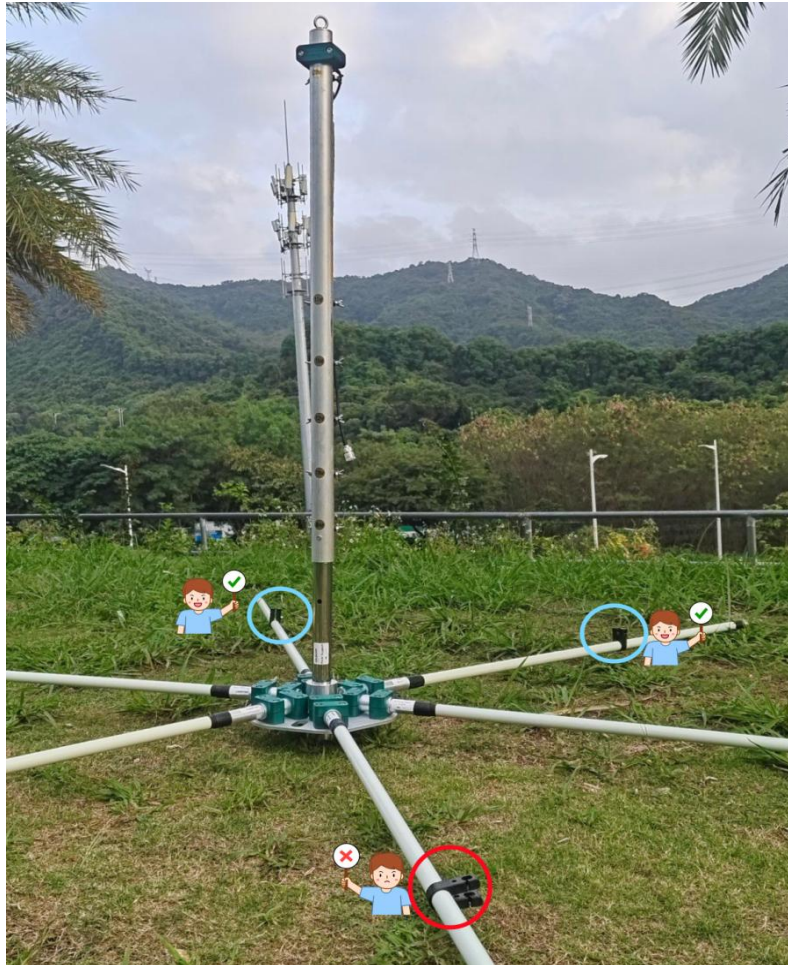
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- Insert the M size antenna mast into the L size antenna mast, then insert the S size antenna mast into the M size antenna mast, all following the same directional guidance.

- Repeat the above steps to assemble the remaining five sets, for a total of six antenna masts.

- Check that all clamps are installed with their **openings facing upward**.



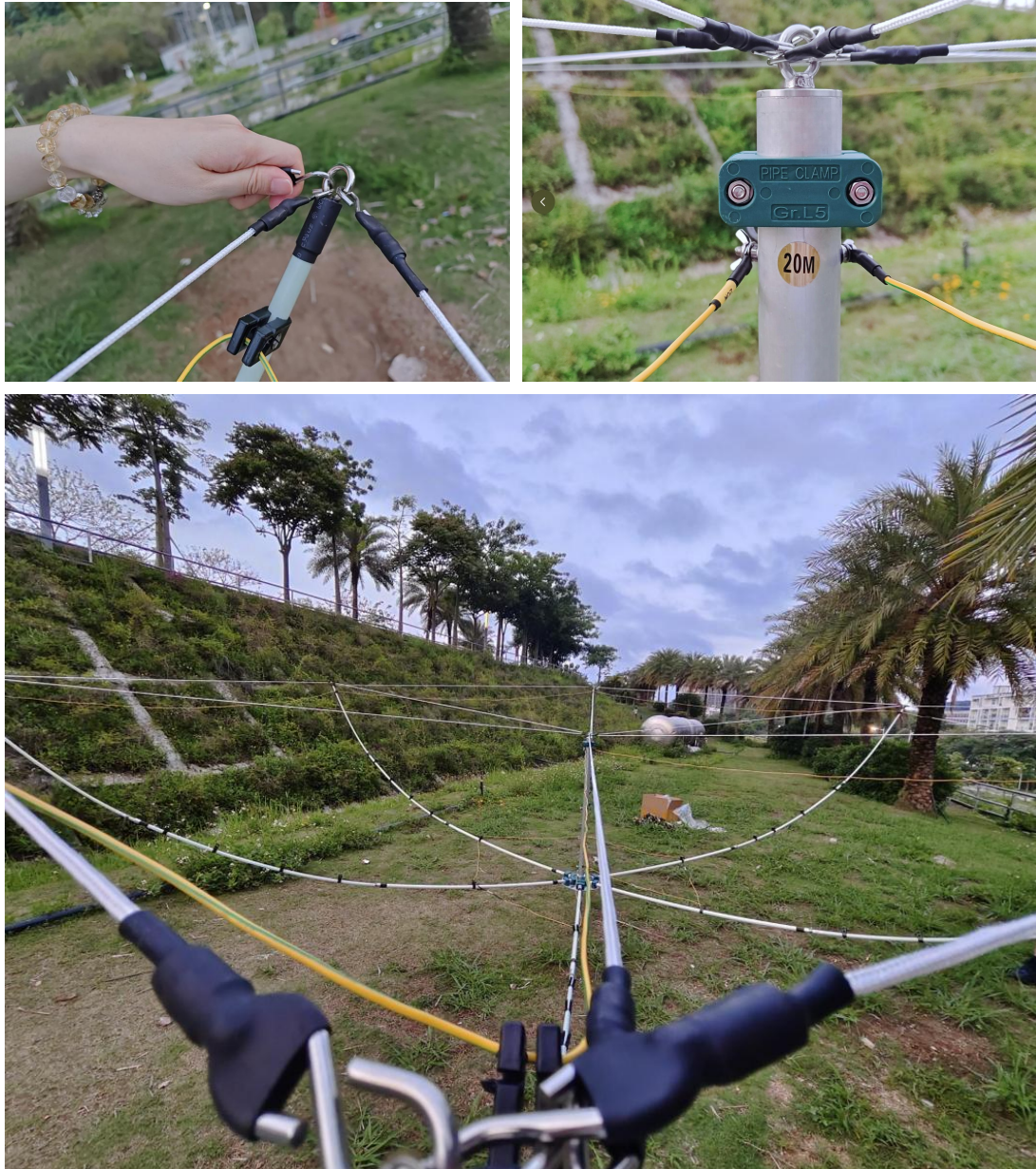
Step 4: Secure the Stabilizing Guy Ropes

At the top of the S size antenna mast, there are two guy ropes:

- **First rope**(Lateral Stability): Hook onto the top of the adjacent antenna mast (for side-to-side stabilization).
- **Second rope**(Longitudinal Reinforcement): Attach the hook to the top ring of the main support mast (for front-to-back reinforcement).

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Step 5: Install the Wire Elements

Installation Example: 6-Meter Band

1) Identify Clamp Positions

Each assembled antenna mast (S+M+L) features six clamps. Clamp positions correspond to different wire element lengths based on their distance from the main support:

- Nearest clamp → for 6m band wire element
- Middle clamp → for 10m / 12m / 15m / 17m band wire elements
- Farthest clamp → for 20m band wire element

In this example, we are installing the 6-meter band wire element, so it should be attached to the clamp nearest the main support.

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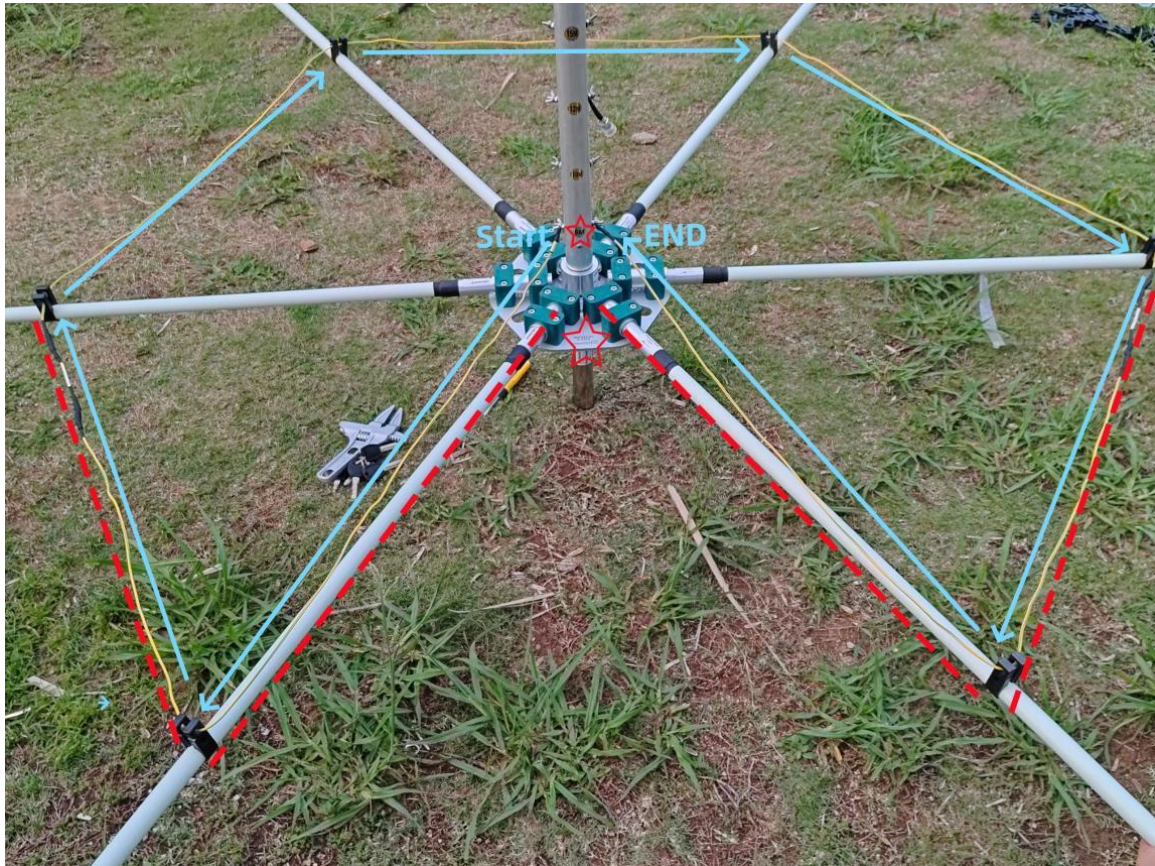
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2) Install and Secure the Wire Element (6m Example)

- Locate the yellow marking labeled "6m" on the main support.
- Before securing the wire elements, ensure the open side (unclosed end) of the JHEX-6 faces the logo on the mounting base. (Please refer to the ☆ in the following diagram)
- Route the wire element, please follow the blue arrow direction in the following diagram to wrap the wire element.

-Note ⚠:

At the end of installation, verify that the open end of the wire element is facing the front (logo side), forming a clear "W" shape as shown by the red dashed lines in the following diagram.



Congratulations! You have successfully installed the 6m band wire element.

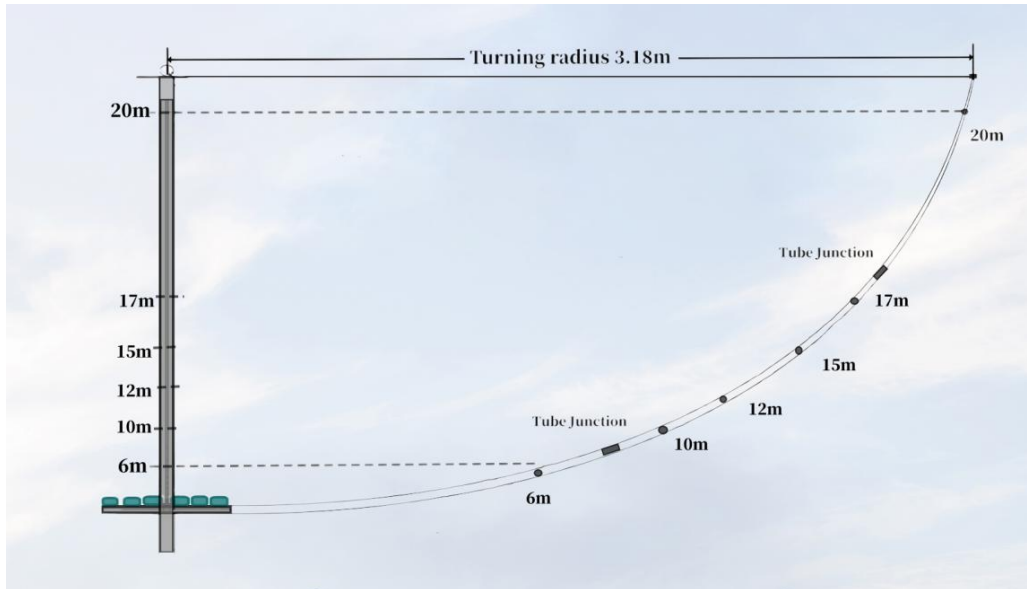
For other lengths (e.g., 20m), follow the same steps—simply select the corresponding clamp (e.g., 20m uses the farthest clamp) and refer to the instructions above for installation

-NOTE ⚠:

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- i. **Directional Indicators on Labels:** All assembly steps must align with the arrow markings to prevent errors.
- ii. **Final Check:** After installation, verify all clamp openings face vertically upward, and gently pull each wire element to confirm it is securely fastened and properly seated.



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

HAVE FUN WITH JHEX-6, 73!

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