

Expansion coil for 1.8 / 1.9MHz for HFJ-350M

MODEL **HFJ-L1.8/1.9**

Instruction Manual

Thank you for your purchasing our product.

This product is made under the most stringent quality controls.

Should there be any breakage in transit, please do not hesitate to contact the shop from which you purchased this product for instructions on resolution of the problem.

For your safety, please read this manual carefully for instructions on proper handling and operation before using.

【Features】

- ★ 1.8 / 1.9MHz expansion coil for HFJ-350M.
- ★ By loading the HFJ-350M, it can be used as the industry's first 1.8 / 1.9MHz portable telescopic antenna.

【Specifications】

- Frequency : 1.8 / 1.9MHz Band
- Overall length (when connected to HFJ-350M) : 1920mm
- Coil length : 255mm
- Maximum input : 100W (Peak), 50W (Ave.)
- Weight : approx. 145g

【Product configuration】

1.8 / 1.9MHz band expansion coil (HFJ-350M is required to use)



Precautions for installation and installation

- Check that the connector of the cable to be connected and the connector of the antenna are the same type.
- If there are obstacles such as other antennas or buildings in the vicinity, VSWR may deteriorate or the resonance frequency may shift. In that case, please change the antenna mounting position.
- This product is for HFJ-350 only. Do not use for other products.
- Be sure to attach the antenna base to the fence. If used in a loose state, the antenna may drop due to strong wind or vibration.
- Also. Be sure to attach the antenna and counterpoise wire to the base. When installing the counterpoise, make sure to attach it to the R-type crimp terminal of the connector part. If the ground area is insufficient, VSWR may not be improved.



Notes on handling and operation

- Be careful not to pinch your eyes with the telescopic tip when attaching / detaching or adjusting the antenna.
- Do not touch the antenna during or immediately after transmission, as the antenna heats up. You may get burned.
- Tighten the fixing screws firmly so that they do not fall off.
- When using the telescopic extension, always pay attention to any obstacles in the height direction.
- It is not waterproof, so do not use it outdoors in bad weather such as rainy weather.
- Do not use when the surface is wet, and use it completely dry.

【Product Image】

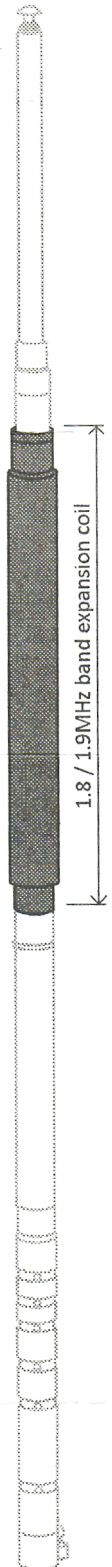
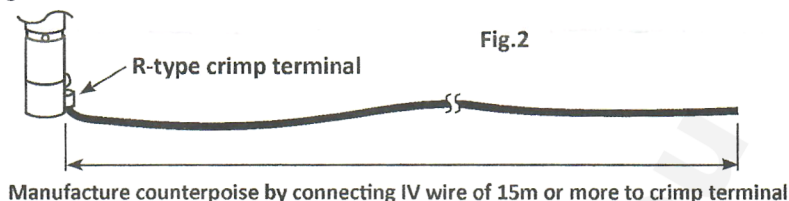


Fig.1

【Connection and adjustment method】

- Connect a 15m or more IV wire to the R-type crimp terminal of the connector part and make a counterpoise. Refer Fig.2
- Connect the 3.5MHz expansion coil to the upper thread of the base coil, and connect this product to the upper thread of the 3.5MHz expansion coil. Connect the telescopic antenna on it. Refer Fig.1
- The frequency is adjusted by adjusting the length of the telescopic antenna without using the short plug attached to the HFJ-350M. Refer Fig.3



【Usage advice】

- Insert the antenna firmly into the connector and screw it clockwise to connect.
- For better communication, mount the antenna as vertically as possible.
- One R-type crimp terminal is provided near the connector, so attach an IV wire or the like as a counterpoise to it.
The length of the counterpoise varies depending on the installation environment, so please prepare a longer one. Compatible with stranded wire 3.5sq
- Adjust the telescopic length and counterpoise length and check the VSWR of the antenna.
If you cannot adjust well, consider using an antenna tuner (CAT-300, etc.) separately.

【Telescopic element adjustment length L (Standard value)】

1.8 MHz : 1170 mm

1.9 MHz : 1040 mm

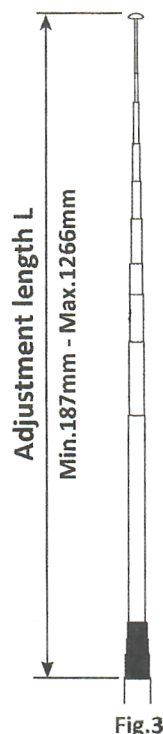
【Frequency change per cm of telescopic element (Standard value)】

1.8 MHz/1.9 MHz : 7 kHz



Precautions During Operation

- ◆ This product is designed for amateur radio use. Do not use it for any purpose other than as an antenna.
- ◆ Do not use with output exceeding the standard. It may cause overheating or damage.
- ◆ If continuous transmission is performed for a long period of time, it will cause the heat of the element and the VSWR to deteriorate. In that case, please suppress the output or take longer transmission interval time.
- ◆ Adjust the antenna correctly. If the VSWR is used as it is, it may cause overheating and failure.
- ◆ Do not disassemble, repair, modify, etc. on your own as doing so may cause failure.
- ◆ If the rod part of HFJ-350M is bent, repair is impossible. Please handle with care.



【Inspection and care】

- If any abnormal phenomenon occurs, stop using it immediately and check the cause.
- Check the VSWR of the antenna in advance to make sure it is working properly.
- Check periodically that the mounting screws and brackets are not loose, and retighten any loose parts.

【After-sales service】

- Should you have any technical questions, please ask our customer service section. (Mail : webmaster3.10@comet-ant.co.jp)
- Please ask the dealer from whom you purchased this product if you need repair service.

Appearance and/or specifications are subject to change without notice or obligation.

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