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> HYS-772 SMA Male VHF/UHF Dual Band 15.7inch Antenna for Two Way Radio VX-6R VX-7R VX-8d,VX-2R UV-3R PX-2R TH-UV3R ZT-2R

## HYS NA-772-HYS MALE

# HYS-772 SMA Male VHF/UHF Dual Band Antenna Instruction Manual

Model: NA-772-HYS MALE | Brand: HYS

## INTRODUCTION

This manual provides essential information for the proper setup, operation, and maintenance of your HYS-772 SMA Male VHF/UHF Dual Band Antenna. Designed to enhance the communication range of compatible two-way radios, this antenna offers reliable performance across dual frequency bands.



Figure 1: Overview of the HYS-772 SMA Male VHF/UHF Dual Band Antenna.

The HYS-772 antenna operates on dual frequencies of 144MHz (VHF) and 430MHz (UHF), providing a gain of 2.15dBi and 2.5dBi respectively, with a VSWR of less than 1.5. It is engineered to extend the talk distance of your handheld radio, supporting a maximum power input of 10W.

## SETUP INSTRUCTIONS

Follow these steps to properly attach the HYS-772 antenna to your compatible two-way radio:

1. **Identify the Connector Type:** Ensure your radio has an SMA Female connector to match the SMA Male connector of the HYS-772 antenna.
2. **Align the Connectors:** Carefully align the SMA Male connector on the antenna with the SMA Female port on your radio.
3. **Screw On the Antenna:** Gently screw the antenna onto the radio's connector in a clockwise direction. Do not overtighten, as this can damage both the antenna and the radio's port. Tighten until snug.
4. **Verify Connection:** Once attached, ensure the antenna is securely fastened and does not wobble. A stable connection is

crucial for optimal performance.



Figure 2: Close-up view of the SMA-Male connector on the HYS-772 antenna, showing the threading for attachment.

The HYS-772 antenna is compatible with various handheld radios, including but not limited to: BaoFeng, TYT, and Yaesu models such as VX-3R, VX-6R, VX-7R, VX-8R, VX-150, FT-60R, VX-160, VX-180, VX-400, VX-300, VX-800, FT-270R, FT-250R, VX-230, VX-8DR, VX-8GR, and FT-277R.

## OPERATING THE ANTENNA

Once the HYS-772 antenna is securely attached to your compatible two-way radio, it is ready for operation. The antenna is designed to optimize signal transmission and reception for improved communication range.

- **Frequency Bands:** The antenna supports dual frequency operation on 144MHz (VHF) and 430MHz (UHF) bands. Ensure your radio is set to the appropriate frequency for your communication needs.
- **Signal Optimization:** For best performance, operate your radio in an open area with minimal obstructions. The antenna's design helps to maximize signal clarity and reach.

- **Power Input:** The antenna is rated for a maximum power input of 10W. Exceeding this limit may damage the antenna or your radio.

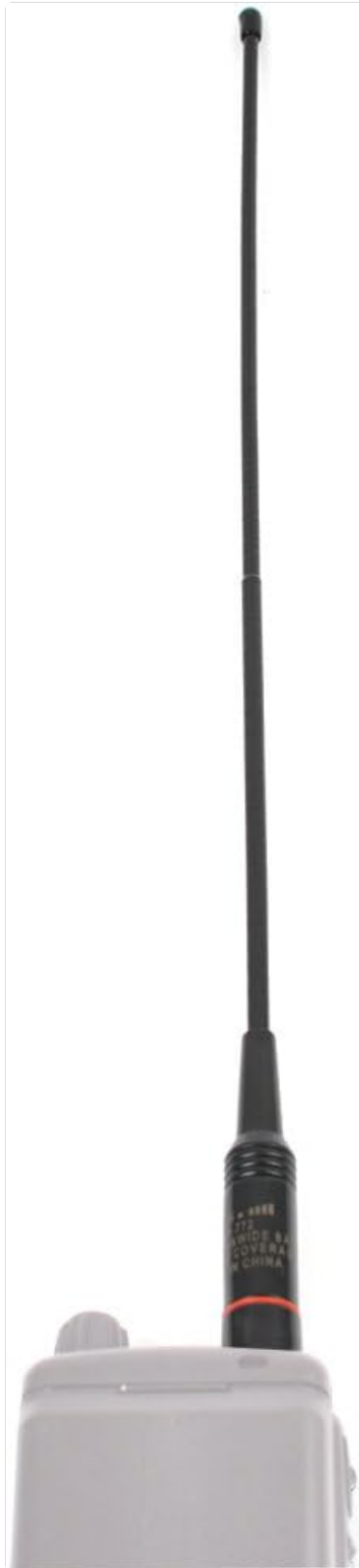


Figure 3: The HYS-772 antenna properly installed on a handheld two-way radio, ready for use.

Each HYS antenna undergoes individual testing to ensure proper compatibility with your radio and frequencies, providing dependable, accurate, and reliable performance.

## MAINTENANCE

Proper maintenance will ensure the longevity and optimal performance of your HYS-772 antenna:

- **Cleaning:** Periodically wipe the antenna with a soft, dry cloth to remove dust and dirt. Avoid using harsh chemicals or

abrasive cleaners, which can damage the antenna's finish.

- **Inspection:** Regularly inspect the antenna for any signs of physical damage, such as bends, cracks, or loose connections. Address any issues promptly to prevent further damage or performance degradation.
- **Storage:** When not in use, store the antenna in a cool, dry place away from direct sunlight and extreme temperatures. Avoid bending or coiling the antenna tightly, as this can stress the internal components.
- **Connector Care:** Keep the SMA Male connector clean and free of debris. If necessary, use a small, soft brush to gently clean the threads and contact pin.



Figure 4: The HYS-772 antenna demonstrating its flexibility, which aids in durability and ease of storage.

## TROUBLESHOOTING

If you experience issues with your HYS-772 antenna, consider the following troubleshooting steps:

Problem	Possible Cause	Solution
Poor signal quality or limited range	Loose antenna connection	Ensure the antenna is securely screwed onto the radio's port.
	Incompatible radio model	Verify your radio is listed as compatible (SMA Female connector).
	Environmental obstructions	Move to an open area with fewer obstacles (buildings, dense foliage).

Problem	Possible Cause	Solution
Antenna not fitting radio	Incorrect connector type	Confirm your radio has an SMA Female connector. This antenna has an SMA Male connector.
Physical damage to antenna	Impact or improper handling	Inspect for visible damage. If severely damaged, replacement may be necessary.

If problems persist after attempting these solutions, please refer to the Support section for further assistance.

## SPECIFICATIONS

Key technical specifications for the HYS-772 SMA Male VHF/UHF Dual Band Antenna:

Feature	Detail
Model Number	NA-772-HYS MALE
Frequency Range	144/430MHz (VHF/UHF Dual Band)
Gain	2.15dBi (144MHz), 2.5dBi (430MHz)
VSWR	<1.5
Maximum Power Input	10W
Impedance	50 Ohm
Antenna Connector Type	SMA-Male
Length	Approximately 15.7 inches (40 cm)
Item Weight	1.44 ounces
Package Dimensions	15.91 x 1.77 x 0.59 inches
Color	Black
Manufacturer	Quanzhou Truest Communication CO.Limited
UPC	606227015157



Figure 5: The HYS-772 antenna illustrating its approximate length of 40 cm (15.7 inches).

## WARRANTY INFORMATION

Specific warranty details for the HYS-772 antenna are typically provided at the point of purchase or can be obtained directly from the manufacturer. HYS products are known for their durability and quality. For any warranty claims or inquiries, please retain your proof of purchase and contact HYS customer support.

## SUPPORT

For further assistance, technical support, or product inquiries regarding your HYS-772 antenna, please contact HYS Communication directly. You can often find contact information on the product packaging, the official HYS website, or through the retailer where the product was purchased.

You may also visit the official HYS Store on Amazon for more information and product listings: [HYS Amazon Store](#).

