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› **Radtel Tri-Band Flex Antenna RHD-771S 144//220/430Mhz 35cm/13.7inch SMA Female Foldable Soft Antenna Compatible with Baofeng Radtel RT-910B RT-470X RT-920 RT-730 RT-4D RT-860 RT-880 RT-880G Radios**

### radtel Tri-Band Antenna 144/220/435

## Radtel Tri-Band Flex Antenna RHD-771S User Manual

Model: Tri-Band Antenna 144/220/435

### 1. PRODUCT OVERVIEW

The Radtel Tri-Band Flex Antenna RHD-771S is a versatile and durable antenna designed to enhance communication for a wide range of two-way radios. Its flexible design and broad frequency coverage make it an ideal accessory for various communication needs.



Figure 1: Radtel Tri-Band Flex Antenna RHD-771S, showcasing its sleek design and length.

## 2. KEY FEATURES

- **Tri-Band Frequency Coverage:** Operates across 136-174 MHz, 200-260 MHz, and 400-520 MHz, providing extensive communication capabilities.
- **Flexible Design:** Constructed from a flexible material, allowing for easy storage and portability without damage.
- **SMA Female Connector:** Equipped with a standard SMA Female connector for wide compatibility with various radio models.
- **Enhanced Signal Performance:** Designed to improve signal reception and transmission for clearer and more reliable communication.
- **Durable Construction:** Built to withstand outdoor conditions and regular use.

# radtel

## Tri-Band Radio

### 35cm/14inch

136-174Mhz  
200-260Mhz  
400-520Mhz



Greatly enhance 70cm signals

#### Compatible With:

##### radtel:

RT-880/RT4D/RT-900  
RT-470X/ RT-493 RT-495 RT-590  
RT-600, RT-630, RT-830 RT-470  
RT-470L, RT-470x RT-730...



## High Gain

## Flexible Antenna

Figure 2: Illustration of the Radtel Tri-Band Antenna's frequency coverage (136-174MHz, 200-260MHz, 400-520MHz) and high gain capabilities.



Figure 3: The flexible design of the soft whip antenna, demonstrating its ability to bend for easy storage and transport without compromising integrity.

### 3. COMPATIBILITY

The Radtel Tri-Band Flex Antenna is designed for broad compatibility with most two-way radio models on the market that feature an SMA Male connector. This includes, but is not limited to, the following brands and models:

- **Baofeng/Pofung:** BF-666S, BF-777S, BF-888S, UV5R, UV5RA, UV-5RB, UV-5RC, UV-5RD, UV-6, UV-8, 5RE plus, BF-F8+, UV-B6, UV-B5, BF-K5, BF-A5, BF-A58, UV-A52, UV-82, UV-9R, UV9R Plus, etc.
- **Radtel:** RT-910B, RT-470X, RT-920, RT-730, RT-4D, RT-860, RT-880, RT-880G, RT-490, RT-890, RT-470L, RT-830, RT-850, RT-470, RT-590, RT-600, RT-630, RT-330, etc.
- **Kenwood:** TK-360, TK-370, TK-370G, TK-372, TK-372G, TK-3100, TK-3140, TK-3160, TK-3170, TK-3180, TK-3200, TK-3202, TK-3207, etc.
- **RETEVIS:** H-777, RT-B6, 888s Plus, RT5, RT6, RT7, RT21, RT23, RT25, etc.
- **HYT:** TC-268, TC-268S, TC-368, TC-368S, TC-370S, TC-500, TC-500S.

- **LINTON:** LT-3288, LT-6288, LT-3188, LT-2188, LT-3260, LT-3268, LT-6188, etc.
- **PUXING:** PX-777, PX-777Plus, PX-666, PX-888, PX-888K, etc.
- **QUANSHENG:** TG-K4AT, TG-K100, TG-K200, TG-K58Mini, TG-6A, TG-5A, TG-620, TG-5A Plus, TG-K4AT(UV), TG-360, etc.
- **VHF:** MR HH125, HH350, HH350W, HH450, HH500, HH600, etc.

## Tri-band High Gain Soft Whip Antenna



Figure 4: Close-up view of the SMA Female connector on the antenna, designed for wide compatibility with various radio models.



Figure 5: Example of a compatible radio, the Radtel RT-470X, which benefits from the antenna's enhanced reception capabilities.

## 4. SETUP AND INSTALLATION

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Installing the Radtel Tri-Band Flex Antenna is a straightforward process. Ensure your radio is powered off before proceeding.

- Identify Connector:** Locate the antenna connector on your two-way radio. It should be an SMA Male connector to be compatible with this antenna.
- Align Antenna:** Carefully align the SMA Female connector of the Radtel antenna with the SMA Male connector on your radio.
- Screw On:** Gently screw the antenna onto the radio's connector in a clockwise direction until it is finger-tight. Do not overtighten, as this can damage both the antenna and the radio's connector.
- Verify Connection:** Ensure the antenna is securely attached and there is no wobble.

Once installed, the antenna is ready for use. You may power on your radio and proceed with normal operation.

## 5. OPERATING GUIDELINES

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The Radtel Tri-Band Flex Antenna is designed to optimize your radio's performance across its supported frequency bands. Follow these guidelines for optimal operation:

- Frequency Selection:** Ensure your radio is tuned to the appropriate frequency within the antenna's supported ranges (136-174 MHz, 200-260 MHz, 400-520 MHz) for the best performance.
- Antenna Positioning:** For maximum signal strength, try to keep the antenna as vertical as possible during transmission and reception.
- Environmental Factors:** Performance may vary based on terrain, obstacles, and atmospheric conditions. Using the antenna in open outdoor environments will generally yield better results.
- Avoid Obstructions:** Keep the antenna clear of large metal objects or other obstructions that could interfere with signal propagation.



Figure 6: An individual operating a radio with the Radtel antenna in an outdoor setting, demonstrating typical usage for enhanced range and clarity.

**WALKIE-TALKIE DUAL BAND ANTENNA**

**APPLICATIONS MODEL**

For most handheld radio with SMA Male Connector

Radtel	Rt-490 Rt-890 Rt-470L Rt-830 Rt-850 Rt-890 Rt-470 RT-470x
Kenwood	TK-360,TK-370,TK-370G,TK-372,TK-372G,TK-3100 TK-3140,TK-3160,TK-3170,TK-3180,TK-3200,TK-3202 TK-3207.etc
RETEVIS	H-777,RT-B6,888s Plus,RT5,RT6,RT7,RT21,RT23,RT25,etc
BAOFENG /Pofung	BF-666S,BF-777S,BF-888S,UV5R,UV5RAUV-5RB5RC.5RD UV-6,UV-8,5RE plus,BF-F8+UV-B6,UV-B5,BF-K5,BF-A5, BF-A58.UV-A52.UV-82.UV-9R,UV9R Plus.etc
HYT	TC-268,TC-268S,TC-368TC-368STC-370STC-500-TC-500S
LINTON	LT-3288,LT-6288,LT-3188,LT-2188,LT-3260,LT-3268,LT-6188.etc
PUXING	PX-777,PX-777Plus,PX-666,PX-888,PX-888K,etc
QUANSHENG	TG-K4AT,TG-K100,TG-K200,TG-K58MiniTG-6ATG-5ATG-620 TG-5A Plus,TG-K4AT(UV),TG-360.etc
VHF	MR HH125 HH350 HH350W HH450 HH500 HH600,etc

Figure 7: Various usage scenarios for the Radtel antenna, highlighting its versatility in different professional and recreational environments, such as industrial sites and outdoor adventures.

## 6. MAINTENANCE AND CARE

To ensure the longevity and optimal performance of your Radtel Tri-Band Flex Antenna, follow these maintenance tips:

- **Cleaning:** Wipe the antenna with a soft, damp cloth to remove dust and dirt. Avoid using harsh chemicals or abrasive cleaners.
- **Storage:** When not in use, store the antenna in a cool, dry place away from direct sunlight and extreme temperatures. Its flexible design allows for compact storage.
- **Inspection:** Periodically inspect the antenna for any signs of wear, such as cracks in the flexible material or damage

to the connector.

- **Connector Care:** Keep the SMA Female connector clean and free of debris to ensure a good electrical connection with your radio.



Figure 8: The Radtel antenna stored in its protective packaging, illustrating proper storage to maintain its condition and prevent damage.

## 7. TROUBLESHOOTING

If you experience issues with your Radtel Tri-Band Flex Antenna, consider the following troubleshooting steps:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Poor Signal Reception/Transmission	Incorrect frequency, loose connection, environmental interference, damaged antenna.	Verify radio frequency matches antenna's supported bands. Ensure antenna is securely tightened to the radio. Move to an open area away from obstructions. Inspect antenna for visible damage; replace if necessary.
Antenna Does Not Fit Radio	Incompatible connector type.	Confirm your radio has an SMA Male connector. This antenna features an SMA Female connector.

## 8. SPECIFICATIONS

Attribute	Detail
Model Number	Tri-Band Antenna 144/220/435 (RHD-771S)
Frequency Range	136-174 MHz, 200-260 MHz, 400-520 MHz
Connector Type	SMA Female
Antenna Length	35 cm / 13.7 inches
Item Weight	1.44 ounces
Product Dimensions	2.17 x 4.07 x 2.17 inches (packaging/base)
Manufacturer	Xiamen Radtel Electronics Co.,Ltd

## 9. WARRANTY AND SUPPORT

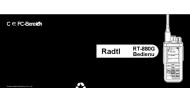
Specific warranty information for the Radtel Tri-Band Flex Antenna RHD-771S is not provided in the available product details. For warranty claims, technical support, or further inquiries, please contact Radtel customer service directly through their official website or the retailer from whom the product was purchased.

You can visit the official Radtel store for more information:[Radtel Store on Amazon](#).

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## Related Documents - Tri-Band Antenna 144/220/435

	<a href="#">Manual de Usuario Radio Bidireccional Radtel RT-910/RT-910B</a> Guía completa del usuario para la radio bidireccional Radtel RT-910 y RT-910B. Aprenda sobre sus funciones, operaciones, especificaciones técnicas y seguridad.
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	<p><a href="#"><b>Radtel RT-910/RT-910B Dual Band Two-Way Radio User Manual</b></a></p> <p>Comprehensive user manual for the Radtel RT-910 and RT-910B dual band two-way radios, detailing features, operations, button functions, display indicators, menu system, technical specifications, and safety information.</p>
	<p><a href="#"><b>IbexOS Management Guide - Westermo</b></a></p> <p>Comprehensive guide to Westermo's IbexOS firmware, detailing features, configuration, and management for industrial wireless communication devices like Ibex-RT series.</p>
	<p><a href="#"><b>Radtel RT-470X, RT-470, RT-470L User Manual</b></a></p> <p>User manual for Radtel RT-470X, RT-470, and RT-470L two-way radios, providing instructions in multiple languages.</p>
	<p><a href="#"><b>radtel RT-910/RT-910B Zweiwegradio Bedienungsanleitung</b></a></p> <p>Umfassende Bedienungsanleitung für das radtel RT-910/RT-910B Zweiwegradio. Enthält Informationen zu Funktionen, Tastenbelegung, Menüführung, Sicherheitshinweisen und technischen Spezifikationen.</p>
	<p><a href="#"><b>Radtel RT-880G Bedienungsanleitung   Handbuch &amp; Spezifikationen</b></a></p> <p>Entdecken Sie die Radtel RT-880G Bedienungsanleitung, die detaillierte Informationen zu Funktionen, Tastenbelegung und technischen Spezifikationen enthält. Dieses Handbuch bietet eine umfassende Anleitung für die Nutzung des RT-880G Funkgeräts.</p>