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radtel Air Band Antenna 108-136

Radtel Aviation Antenna Instruction Manual

Model: Air Band Antenna 108-136

INTRODUCTION

This instruction manual provides comprehensive information for the proper use and maintenance of your Radtel Aviation Antenna. Designed for enhanced signal reception and transmission, this antenna is compatible with a wide range of handheld radios, particularly those with SMA-Female connectors. Please read this manual thoroughly before using the antenna to ensure optimal performance and longevity.



Image: The Radtel Aviation Antenna shown in diverse outdoor and professional settings, highlighting its versatility for expanding reception range.

PRODUCT OVERVIEW

The Radtel Aviation Antenna is a high-performance, flexible whip antenna designed to improve the range and clarity of your two-way radio communications. It features a durable construction and a flexible design for ease of use and portability.

- **Frequency Range:** Primarily 108-136Mhz (AM), also capable of receiving 136-174Mhz and 400-470Mhz.

- **Connector Type:** SMA-Female.
- **Length:** Approximately 35cm (13.7 inches).
- **Material:** High-quality, flexible ABS.
- **Impedance:** 50 ohm.
- **Gain:** 2.15dBi.
- **Max. Power Input:** 20W.



Image: A full view of the Radtel Aviation Antenna, showcasing its sleek black design and standard SMA-Female connector.

Two-Way Radio Flexible Whip Antenna

Frequency Range	:108-136MHz(AM)
Connector	: SMA-Female
Impedance	:50ohm
VSWR	: ≤1.7
Gain	:2.15dBi
Material	:ABS
Max. Power Input	:20W



Image: The flexible whip antenna connected to a radio, with key specifications such as frequency range, connector type, impedance, VSWR, gain, material, and max power input listed.

Soft Whip Antenna



385mm/15.16inch

Bendable



Image: The antenna demonstrating its bendable and flexible nature, highlighting its durability and ease of handling.



Image: A detailed close-up of the SMA-Female connector at the base of the antenna, showing its threading for secure attachment.

SETUP

Installing your Radtel Aviation Antenna is a straightforward process. Ensure your radio is turned off before attaching or detaching the antenna.

1. **Unpack the Antenna:** Carefully remove the antenna from its packaging. Check for any visible damage.
2. **Identify the Connector:** Locate the SMA-Female connector at the base of the antenna and the corresponding SMA-Male port on your radio.
3. **Attach the Antenna:** Align the antenna connector with the radio's port. Gently screw the antenna onto the radio clockwise until it is finger-tight. Do not overtighten, as this can damage the connectors.
4. **Verify Connection:** Ensure the antenna is securely attached and stands upright.

Your browser does not support the video tag.

Video: This video demonstrates the unboxing, measurement, flexibility, and attachment process of the Radtel Aviation Antenna to a compatible radio.

Using aerial antennas to expand reception range for outdoor activities



Image: A visual comparison showing a walkie-talkie with its standard antenna versus the Radtel Aviation Antenna, illustrating the significant increase in antenna length for improved signal range.

OPERATION

Once the antenna is securely attached, you can operate your radio as usual. The Radtel Aviation Antenna is designed to enhance your radio's performance, particularly for air band frequencies.

- **Enhanced Reception:** The antenna is optimized for 108-136Mhz (AM) air band reception, allowing for clearer and more stable communication with aviation signals.
- **Multi-band Capability:** While primarily for air band, this antenna can also receive signals in the 136-174Mhz (VHF) and 400-470Mhz (UHF) frequency ranges.
- **Optimal Positioning:** For best results, operate your radio in an open area with minimal obstructions. The antenna's length and design contribute to better signal capture.

Aviation signals can be received outdoors

Strengthen your Walkie Talkie and make him more penetrating and receiving.



Image: A hand holding a radio with the Radtel Aviation Antenna, positioned with an airport and aircraft in the background, illustrating its capability for air band scanning and receiving.



Image: A person using a walkie-talkie with the Radtel Aviation Antenna in a snowy mountain landscape, emphasizing its ability to strengthen signals and improve penetration and reception in outdoor environments.

MAINTENANCE

To ensure the longevity and optimal performance of your Radtel Aviation Antenna, follow these simple maintenance guidelines:

- **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 easy storage without damage.
- **Connection Check:** Periodically check the connection between the antenna and your radio to ensure it remains secure.
- **Avoid Bending at Base:** While the antenna is flexible, avoid sharp bends or excessive force near the connector base to prevent internal damage.

TROUBLESHOOTING

If you experience issues with your Radtel Aviation Antenna, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
Poor signal reception	Loose connection, environmental obstructions, incorrect frequency setting on radio.	Ensure antenna is securely tightened. Move to an open area. Verify radio frequency settings.
Antenna not fitting radio	Incorrect connector type.	Confirm your radio has an SMA-Male connector. This antenna is SMA-Female.
Antenna appears bent or damaged	Improper storage or excessive force.	While flexible, avoid extreme bends. If performance is affected, consider replacement.

SPECIFICATIONS

- **Model Number:** Air Band Antenna 108-136
- **Frequency Range:** 108-136Mhz (AM), also receives 136-174Mhz and 400-470Mhz
- **Connector:** SMA-Female
- **Impedance:** 50 ohm
- **VSWR:** ≤ 1.7
- **Gain:** 2.15dBi
- **Material:** ABS
- **Max. Power Input:** 20W
- **Length:** 35cm / 13.7 inches
- **Product Dimensions:** 3.35 x 0.59 x 3.35 inches (packaging dimensions, antenna length is 13.7 inches)
- **Item Weight:** 1.76 ounces
- **Manufacturer:** Xiamen Radtel Electronics Co.,Ltd

COMPATIBLE MODELS

This Radtel Aviation Antenna is designed for use with most handheld radios featuring an SMA-Male connector. Below is a list of compatible Radtel and other brand models mentioned:

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

Image: A graphic displaying a comprehensive list of walkie-talkie models from various brands, including Radtel, Kenwood, Retevis, Baofeng/Pofung, HYT, Linton, Puxing, Quansheng, and VHF radios, that are compatible with this antenna.

- **Radtel:** RT-490, RT-890, RT-470L, RT-830, RT-850, 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
- **Retevis:** H-777, RT-B6, 888s Plus, RT5, RT6, RT7, RT21, RT23, RT25
- **Baofeng/Pofung:** BF-666S, BF-777S, BF-888S, UV5R, UV5RA, UV-5RB, 5RC, 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
- **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
- **Puxing:** PX-777, PX-777Plus, PX-666, PX-888, PX-888K
- **Quansheng:** TG-K4AT, TG-K100, TG-K200, TG-K58Mini, TG-6AT, TG-5AT, TG-620, TG-5A Plus, TG-K4AT(UV), TG-360
- **VHF:** MR HH125, HH350, HH350W, HH450, HH500, HH600

WARRANTY AND SUPPORT

For warranty information or technical support, please contact Radtel Direct through the Amazon platform or visit the official Radtel store.

Radtel Store: [Visit Radtel Store on Amazon](#)