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## Radioddity G90-H1

# Radioddity G90-H1 Bracket Holder with Quiet Cooling Fan for Xiegu G90

Instruction Manual

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## 1. INTRODUCTION

The Radioddity G90-H1 is a specialized bracket holder and quiet cooling fan designed specifically for the Xiegu G90 transceiver. This 2-in-1 accessory addresses potential overheating issues during prolonged or high-duty cycle operations, ensuring optimal performance and longevity for your Xiegu G90. It also provides a stable and adjustable platform for both mobile and desktop use.

## 2. WHAT'S IN THE BOX

- 1 x Radioddity G90-H1 Bracket Holder with Cooling Fan

## 3. SETUP & INSTALLATION

The G90-H1 is designed for seamless integration with your Xiegu G90. Follow these steps for proper installation:

### 3.1 Attaching the Bracket to the Xiegu G90

The bracket features a solid structure with a compact size, perfectly designed for the Xiegu G90. It is suitable for both in-car and desktop use.



Image: Side view of the Radioddity G90-H1 bracket holder securely attached to a Xiegu G90 transceiver.



Image: Top and bottom views of the Radioddity G90-H1 bracket holder with the Xiegu G90 transceiver, highlighting the integrated design.

### 3.2 Component Overview

Familiarize yourself with the key components of the G90-H1:

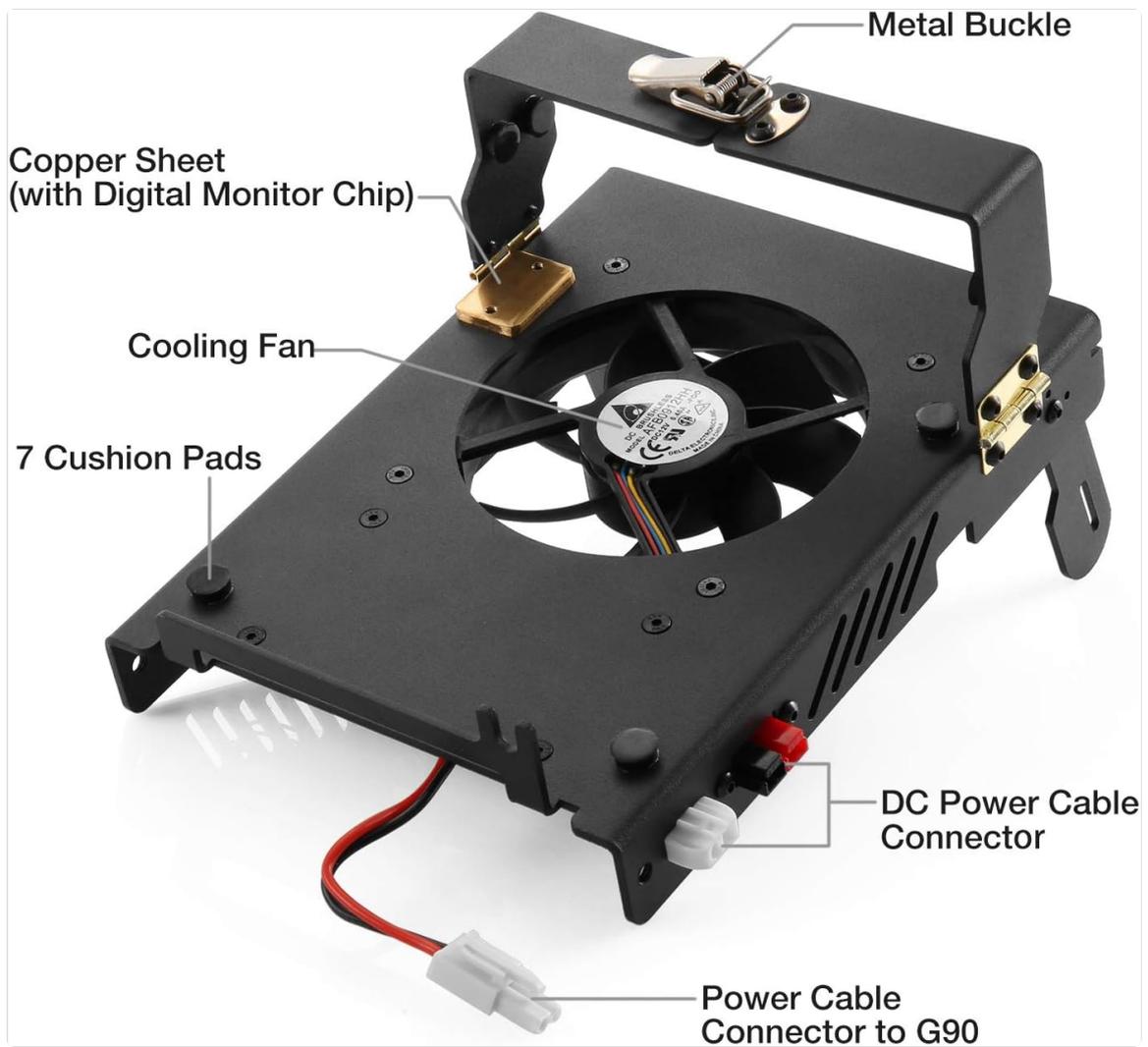


Image: Detailed diagram labeling the metal buckle, copper sheet (with digital monitor chip), cooling fan, 7 cushion pads, DC power cable connector, and Power cable connector to G90.

### 3.3 Power Connection Options

The G90-H1 offers flexible power connection options to suit your setup:

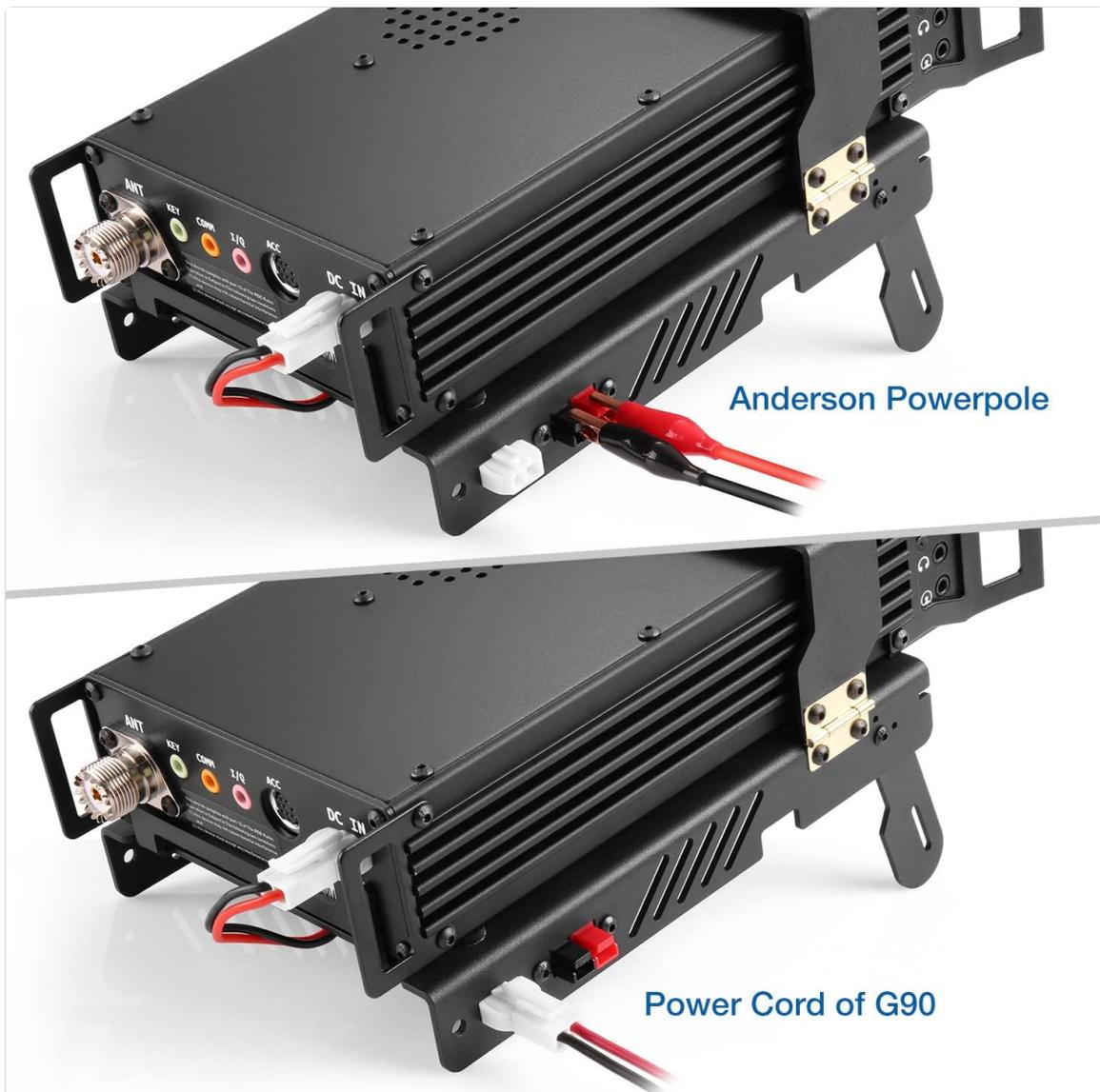


Image: Illustrations demonstrating how to connect power using either Anderson Powerpole connectors or the standard power cord of the Xiegu G90.

### 3.4 Collapsible Metal Feet

The bracket includes collapsible metal feet that allow you to adjust the viewing angle of your Xiegu G90. This feature also helps in reducing the radio's shell temperature by improving airflow.



Image: An exploded view of the G90-H1, illustrating the main bracket unit, detachable side brackets, and the small Allen wrench provided for assembly.

## 4. OPERATION

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### 4.1 Automatic Temperature Control

The G90-H1 features a smart temperature sensor and cooling system. The cooling fan speed will automatically adjust based on your G90's shell temperature. The fan activates and speeds up when the temperature reaches 77°F (25°C), ensuring efficient cooling only when needed.

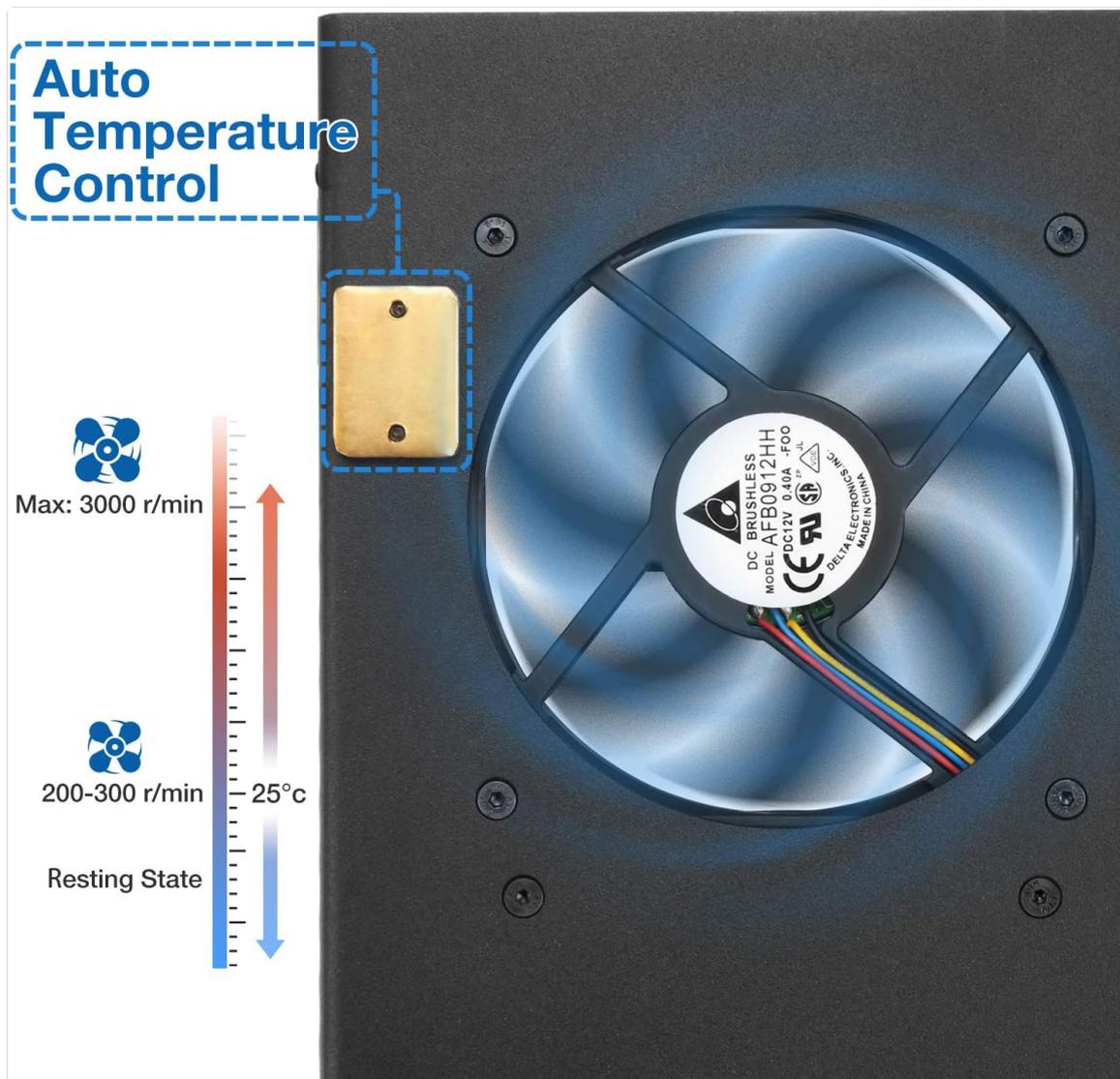


Image: A visual representation of the automatic temperature control, showing the fan in a resting state (200-300 r/min) below 25°C and speeding up to max (3000 r/min) when the temperature rises.

## 4.2 Quiet Operation

The cooling fan is designed to operate quietly, ensuring it performs its cooling function effectively without causing disturbance during your radio operations.

## 5. MAINTENANCE

To ensure the longevity and optimal performance of your G90-H1, consider the following maintenance tips:

- **Cleaning:** Periodically clean the fan blades and vents to prevent dust buildup, which can impede airflow and reduce cooling efficiency. Use a soft brush or compressed air.
- **Inspection:** Regularly check all connections and screws to ensure they are secure. Inspect the cushion pads for wear and tear.
- **Storage:** When not in use for extended periods, store the G90-H1 in a cool, dry place away from direct sunlight and extreme temperatures.

## 6. TROUBLESHOOTING

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If you encounter any issues with your G90-H1, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Fan not spinning	No power connection or temperature below activation threshold.	Ensure power cables are securely connected. Verify the Xiegu G90's temperature is above 77°F (25°C).
Fan is noisy	Dust buildup on fan blades or loose components.	Clean the fan blades and vents. Check for any loose screws or components and tighten them if necessary.
Radio still overheating	Blocked airflow or extreme ambient temperatures.	Ensure vents are clear and not obstructed. Use the collapsible feet to elevate the radio for better airflow. Operate in a cooler environment if possible.

## 7. SPECIFICATIONS

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Feature	Detail
Brand	Radioddity
Model	G90-H1
Material	Metal
Color	Black
Item Weight	1.76 pounds (800 Grams)
Package Dimensions	10 x 8.58 x 2.83 inches
Cooling Method	Air
Temperature Control	Automatic (fan speeds up at 77°F / 25°C)

## 8. WARRANTY & SUPPORT

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For warranty information or technical support, please contact Radioddity customer service directly. Keep your purchase receipt as proof of purchase.

