

Kuma 5G 4G Antenna | Pole or Wall Mount

KUMA E-Zi 5G 4G 3G Directional Antenna User Manual

Model: 5G 4G Antenna | Pole or Wall Mount

Brand: Kuma

1. INTRODUCTION

The KUMA E-Zi Directional Antenna is a high-gain, waterproof LTE antenna designed to significantly improve your 2G, 3G, 4G LTE, and 5G mobile network signal. This antenna is ideal for enhancing internet reception in various environments, including homes, gardens, offices, camping vehicles, and caravans. Its robust design ensures durability and resistance to harsh environmental conditions.



Figure 1.1: KUMA E-Zi Directional Antenna with included accessories.

2. WHAT'S IN THE BOX

Please ensure all the following components are present in your package:

- KUMA E-Zi Directional Antenna
- Pole mounting kit (pole not included)
- 5-meter high-quality, low-loss cable with SMA plugs



Figure 2.1: Antenna and contents as packaged.

3. SPECIFICATIONS

Feature	Description
Frequency Range	698 MHz - 3800 MHz (2G, 3G, 4G LTE, 5G)
Peak Gain	7 dBi
Connectors	SMA Male
Cable Length	5 meters
Ingress Protection (IP) Rating	IP65 (Waterproof and Dustproof)

Mounting Options	Pole or Wall Mount (mounting kit included)
Color	White
Compatible Devices	Mobile broadband routers, modems, hunting cameras, security surveillance cameras, TPlink routers, CPE devices, hotspots, IoT gateways, industrial terminal servers

4. SETUP AND INSTALLATION

The KUMA E-Zi antenna is designed for outdoor use and can be mounted on a pole or a wall. Proper placement is crucial for optimal signal reception.

4.1. Choosing a Location

Mount the antenna as high as possible and in a location with a clear line of sight to the nearest mobile network tower. Obstructions like buildings, trees, or hills can significantly reduce signal strength.



Figure 4.1: Antenna mounted on a roof for optimal height.

4.2. Mounting the Antenna

The antenna comes with a pole mounting kit. Follow these general steps for installation:

1. Assemble the mounting bracket to the back of the antenna using the provided hardware.
2. Secure the antenna to a sturdy pole or wall using the U-bolts or screws, ensuring it is firmly in place and can withstand wind.
3. Ensure the antenna is oriented correctly towards the nearest cell tower.



Figure 4.2: Rear view of the antenna with mounting hardware attachment points.

4.3. Connecting to Your Router

The antenna features SMA male connectors. Connect the 5-meter low-loss cables from the antenna to the corresponding SMA ports on your 4G/5G router or modem. Ensure the connections are secure.



Figure 4.3: Detail of the SMA connector.

5. OPERATING INSTRUCTIONS

Once installed and connected, the KUMA E-Zi antenna works by receiving and amplifying mobile network signals. For optimal performance, fine-tuning the antenna's direction is recommended.

5.1. Finding the Best Signal Direction

To maximize signal gain, you need to point the antenna directly towards the nearest cell tower. An application like *Opensignal* (available on mobile app stores) can help you locate nearby cell towers and guide you in aligning your antenna.

1. Download and install the Opensignal app on your smartphone.
2. Use the app's 'Cell Towers' feature to identify the direction of the strongest signal.
3. Slowly adjust the antenna's orientation while monitoring your router's signal strength indicator or using the Opensignal app's signal meter.

4. Secure the antenna once the optimal signal strength is achieved.



Figure 5.1: Using the Opensignal app to find signal direction.

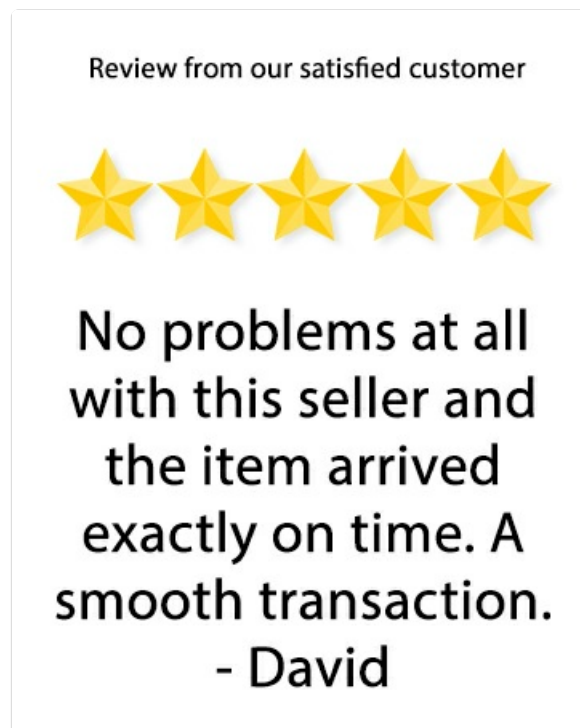


Figure 5.2: Opensignal app displaying cell tower locations on a map.

5.2. Typical Usage Scenarios

The antenna is versatile and can be used in various settings to improve mobile broadband connectivity:

- **Home/Office:** For areas with weak indoor mobile signal, mounting the antenna outdoors can provide a stable and faster internet connection.
- **Camping/Caravan:** Ideal for improving connectivity in remote or rural areas where mobile signal might be inconsistent.



Figure 5.3: Antenna installation examples on a house and a caravan.

6. MAINTENANCE

The KUMA E-Zi antenna is designed for durability and minimal maintenance due to its IP65 waterproof and dustproof rating.

- **Cleaning:** Periodically clean the antenna's exterior with a soft, damp cloth to remove dirt or debris that might accumulate and potentially affect performance. Do not use harsh chemicals or abrasive materials.
- **Inspection:** Annually inspect the mounting hardware and cable connections for any signs of wear, corrosion, or loosening. Tighten any loose connections and replace damaged components as necessary.
- **Weather Resistance:** The antenna is built to withstand various weather conditions, including rain, wind, and temperature fluctuations. No special winterization or weather-proofing is typically required beyond proper installation.

Review from our satisfied customer



Good service and
product exactly as
described.
- Amazon Customer

Figure 6.1: The antenna is designed to be durable and resistant to various weather conditions.

7. TROUBLESHOOTING

If you experience issues with your KUMA E-Zi antenna, consider the following troubleshooting steps:

- **No Signal Improvement:**

- **Antenna Alignment:** Re-check the antenna's direction. Even a slight adjustment can significantly impact signal strength. Use an app like Opensignal to pinpoint the best direction.
- **Obstructions:** Ensure there are no new obstructions (e.g., growing trees, new buildings) between the antenna and the cell tower.
- **Cable Connection:** Verify that the SMA connectors are securely attached to both the antenna and the router. Loose connections can lead to signal loss.
- **Router Compatibility:** Confirm your router has external antenna ports and is compatible with SMA connectors.
- **Router Settings:** Some routers require manual configuration to switch from internal to external antennas. Consult your router's manual.

- **Intermittent Signal:**

- **Cable Damage:** Inspect the antenna cable for any kinks, cuts, or damage. A damaged cable can cause intermittent signal.
- **Loose Mount:** Ensure the antenna is securely mounted and not swaying in the wind, which could cause signal fluctuations.

- **Lower Signal Than Expected:**

- **Antenna Height:** The higher the antenna, the better the line of sight. Consider if the antenna can be mounted at a greater height.
- **Local Interference:** Other electronic devices or strong local radio signals might cause

interference. Try relocating the antenna if possible.

8. WARRANTY AND SUPPORT

8.1. Manufacturer's Warranty



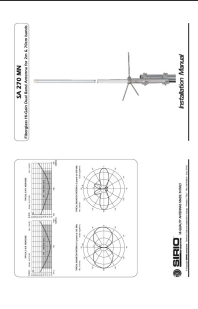
The KUMA E-Zi Directional Antenna comes with a 2-year manufacturer's warranty. Please retain your proof of purchase for warranty claims.

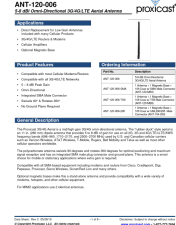

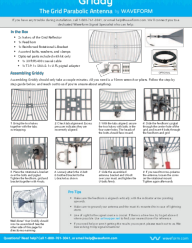
8.2. Customer Support

For further assistance, technical support, or warranty inquiries, please contact Kuma customer service through the retailer where you purchased the product or visit the official Kuma website for contact information. When contacting support, please have your product model number and purchase details ready.

© 2025 Kuma. All rights reserved.

Related Documents - 5G 4G Antenna | Pole or Wall Mount

	<p>Nedis 3G/4G LTE/5G Outdoor External Antenna ANOR5G20WT User Manual</p> <p>User manual for the Nedis 3G/4G LTE/5G Outdoor External Antenna (ANOR5G20WT). Learn about its technical specifications, package contents, installation guide, maintenance, and troubleshooting.</p>
	<p>Taoglas TU.66.3131 Wideband Antenna Datasheet - 600MHz-7125MHz for 5G/Wi-Fi 7</p> <p>Technical datasheet for the Taoglas TU.66.3131 terminal mount wideband antenna. Covers global cellular bands (600-8000MHz) and Wi-Fi bands (2.4, 5.8, 7.125GHz). Features IP67 rating, SMA(M) connector, and omnidirectional radiation patterns. Ideal for IoT and M2M applications.</p>
	<p>Sirio SA 270 MN Fiberglass Hi-Gain Dual Band Antenna Installation Manual</p> <p>Installation manual for the Sirio SA 270 MN, a fiberglass hi-gain dual-band antenna for 2m and 70cm amateur radio bands. Details specifications, performance data including SWR and radiation patterns, and step-by-step mounting instructions.</p>

	<p>Proxicast ANT-120-006: 5-8 dBi Omni-Directional 3G/4G/LTE Aerial Antenna Datasheet</p> <p>Datasheet for the Proxicast ANT-120-006, an 11-inch, 5-8 dBi omni-directional 3G/4G/LTE aerial antenna with an integrated SMA male connector. Covers applications, features, specifications, and installation.</p>
	<p>Beitian BT-3707A High Gain RTK GNSS Antenna - Specifications & Applications</p> <p>Explore the Beitian BT-3707A, a high-gain, multi-frequency RTK GNSS antenna. Ideal for drones, ships, agricultural machinery, and vehicles, it offers superior positioning accuracy, durability (IP67), and broad satellite system support.</p>
	<p>Griddy Parabolic Antenna Installation and Setup Guide by Waveform</p> <p>Comprehensive guide to assembling, installing, and aiming the Waveform Griddy parabolic antenna for optimal cellular and WiFi signal performance. Includes feedhorn selection and MIMO setup.</p>