Manuals+
Q & A | Deep Search | Upload

Leadzm TA-983

Leadzm TA-983 Outdoor TV Antenna User Manual

Model: TA-983

1. Introduction

This manual provides instructions for the installation, operation, and maintenance of your Leadzm TA-983 360° Rotation UV Dual Frequency Outdoor TV Antenna. This antenna is designed to receive VHF and UHF signals across a frequency range of 45-860 MHz, offering enhanced reception for various television channels.

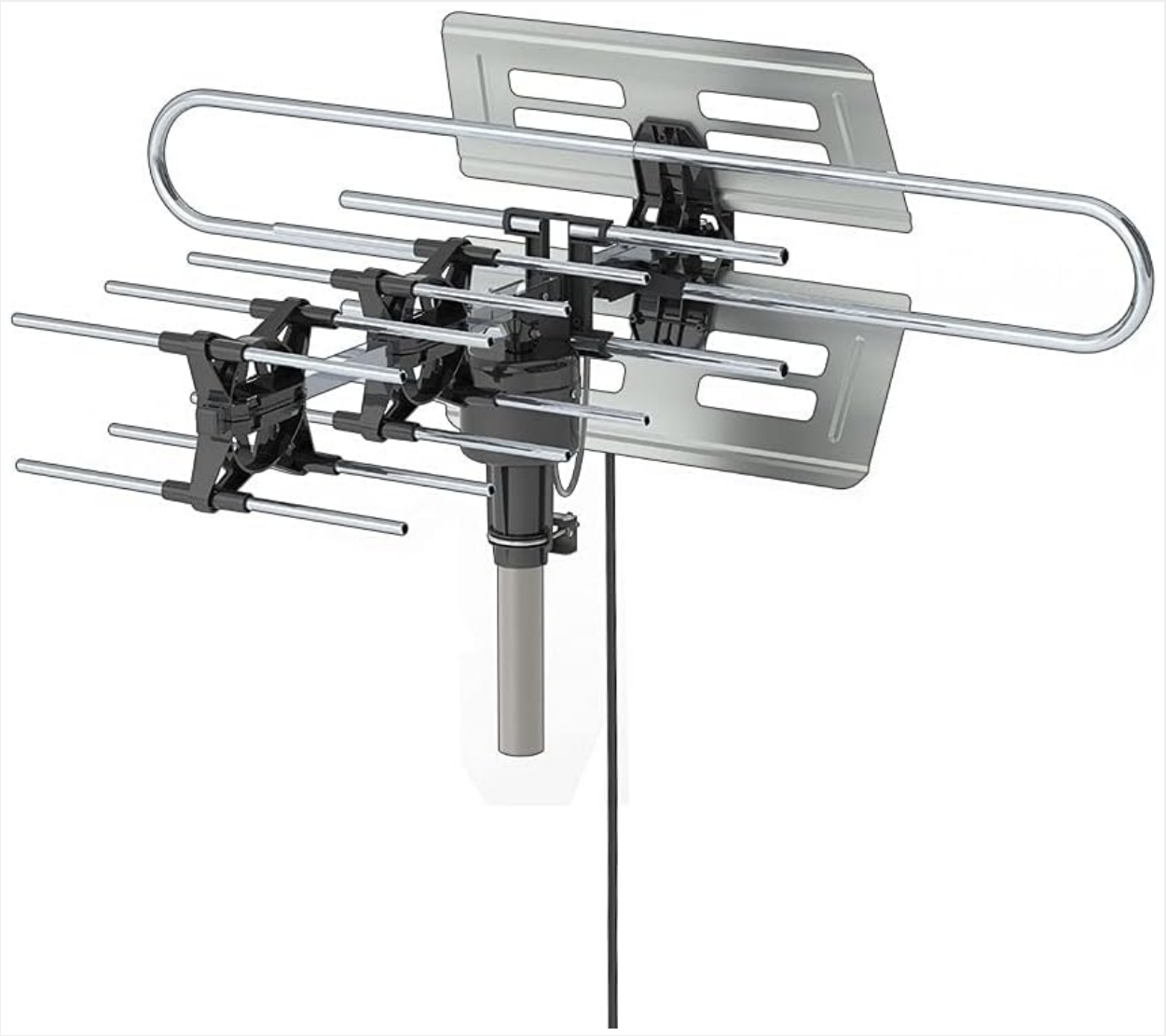


Image: The Leadzm TA-983 outdoor TV antenna, showcasing its multi-element design and mounting mechanism.

2. Safety Information

Please read and understand all safety instructions before installing or operating the antenna to prevent injury or damage.

- Installation should be performed by a qualified individual to avoid electrical shock or personal injury.
- Do not install the antenna near power lines or other electrical conductors.
- Ensure all connections are secure and properly weatherproofed to prevent water ingress.
- Disconnect power to the antenna and television before performing any maintenance or adjustments.
- The antenna is designed for outdoor use and is UV resistant, windproof, and waterproof.

Image: The antenna mounted on a rooftop, highlighting its windproof, waterproof, and UV-resistant features for outdoor durability.

3. Package Contents

Please verify that all the following components are included in your package:

- 1 x TV Antenna (with Built-in Amplifier)
- 1 x Power Supply Box
- 1 x Remote Control
- 1 x Coaxial Cable (approximately 39.37 ft / 12 meters)
- 1 x Instruction Manual (this document)

Image: A detailed view of the antenna's main unit, showing its various elements and the central mounting pole.

4. Setup and Installation

4.1 Antenna Assembly

Assemble the antenna elements according to the structural diagram provided below. Ensure all connections are firm and secure.

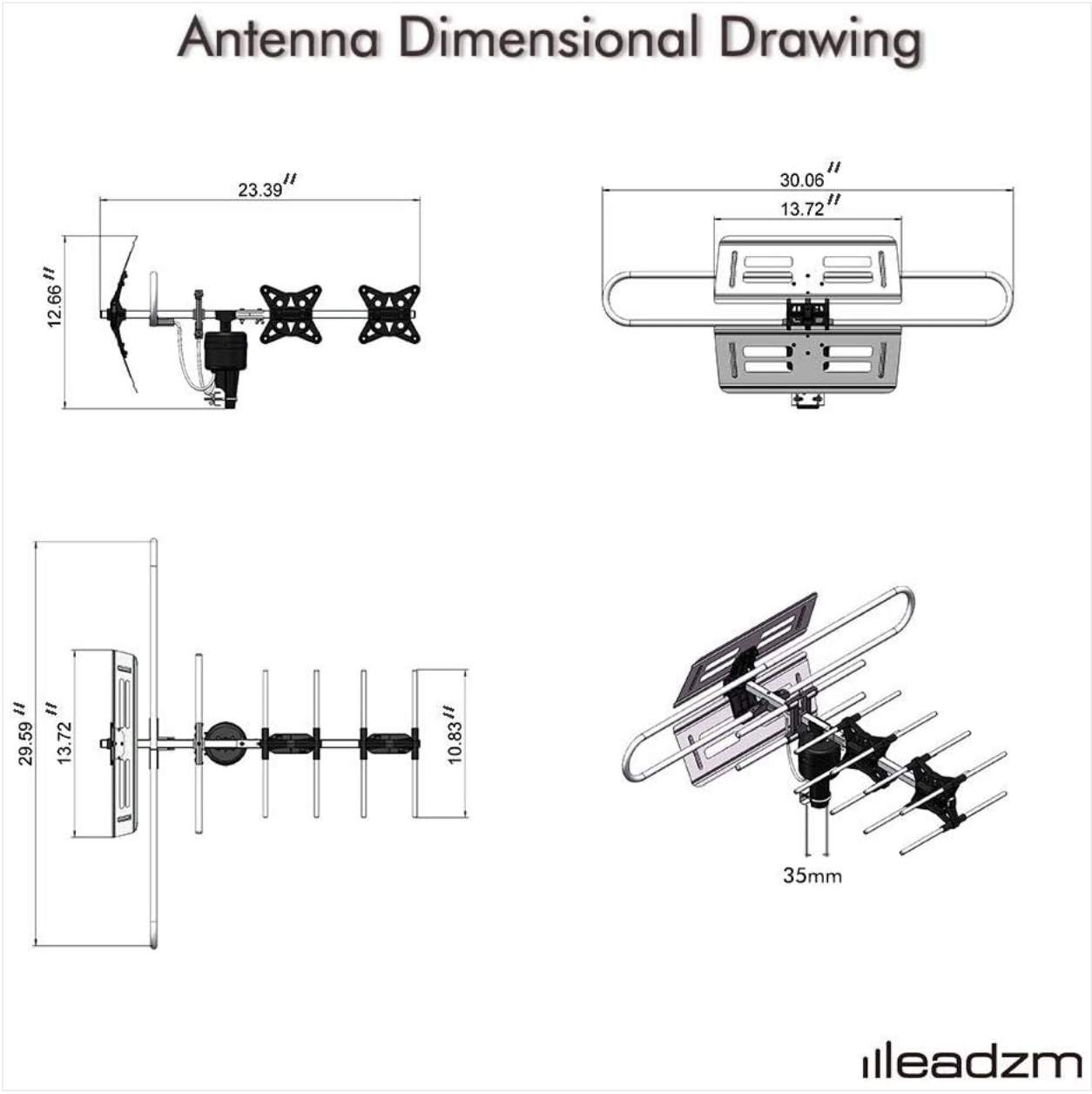


Image: A diagram illustrating the structure of the antenna, labeling components such as U-band receiving unit, signal reflector, V-band receiving unit, U-band director, circuit board box with built-in signal amplifier, all copper motor, and support fixed tooth clamp.

4.2 Mounting the Antenna

For optimal signal reception, install the antenna in a high, unobstructed location, such as a rooftop or a tall pole. Avoid areas with potential signal interference from mountains or tall buildings.

1. Securely fix the mounting pole (not included) to a stable support base.
2. Attach the assembled antenna to the mounting pole using the provided clamps.
3. Ensure the antenna is level and firmly secured to withstand environmental conditions.

Image: A close-up view showing how the mounting pole is fixed to the support base, with the antenna visible in the background on a rooftop.

4.3 Connecting to TV

Connect the coaxial cable from the antenna to the 'Antenna In' or 'RF In' port on your television or digital converter box. Plug the antenna's power supply box into a standard AC110V electrical outlet.

Image: An illustration depicting a family watching TV with the Leadzm antenna providing signal, emphasizing clear picture and audio.

5. Operating Instructions

5.1 Channel Scan

After completing the physical installation and connections, perform a channel scan on your television or digital converter box. Refer to your TV's user manual for specific instructions on how to initiate a channel scan.

5.2 Antenna Rotation

The TA-983 antenna features a 360° rotation capability, controlled by the included remote. Use the remote to adjust the antenna's direction to achieve the best possible signal reception. The antenna rotates at a speed of approximately 2-4 rounds per minute. The effective remote control distance is up to 5 meters.

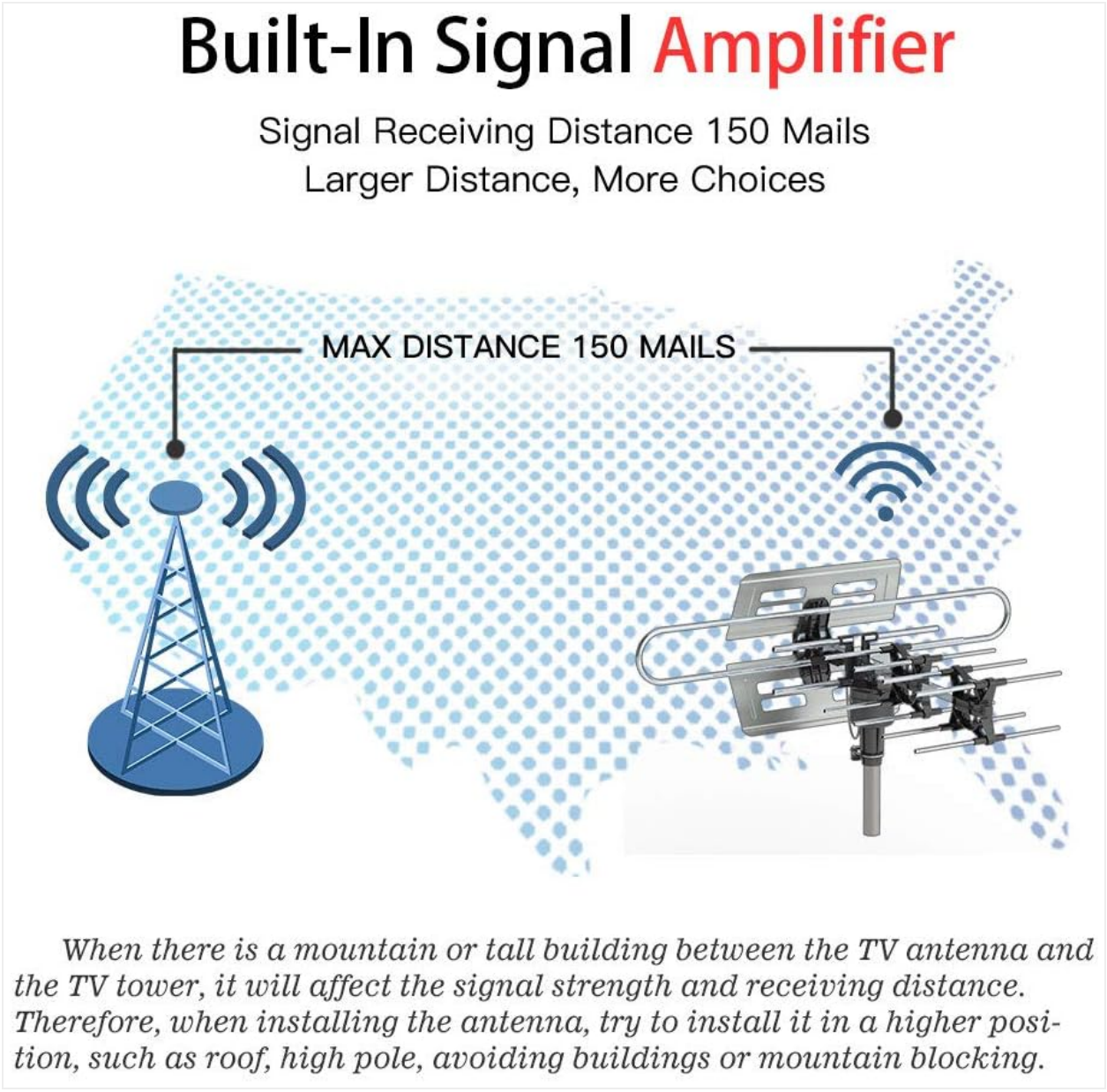


Image: A map illustrating the antenna's signal receiving distance, showing a maximum range of 150 miles from a broadcast tower. It also advises installing the antenna in a higher position if there are obstructions.

6. Maintenance

Regular maintenance helps ensure optimal performance and longevity of your antenna.

- Periodically inspect all cable connections for tightness and ensure they remain weatherproof.
- Check the antenna for any physical damage, especially after severe weather conditions.
- Gently clean the antenna elements with a soft, damp cloth if dirt or debris accumulates. Avoid using harsh chemicals or abrasive materials.
- Ensure the antenna's rotation mechanism is free from obstructions.

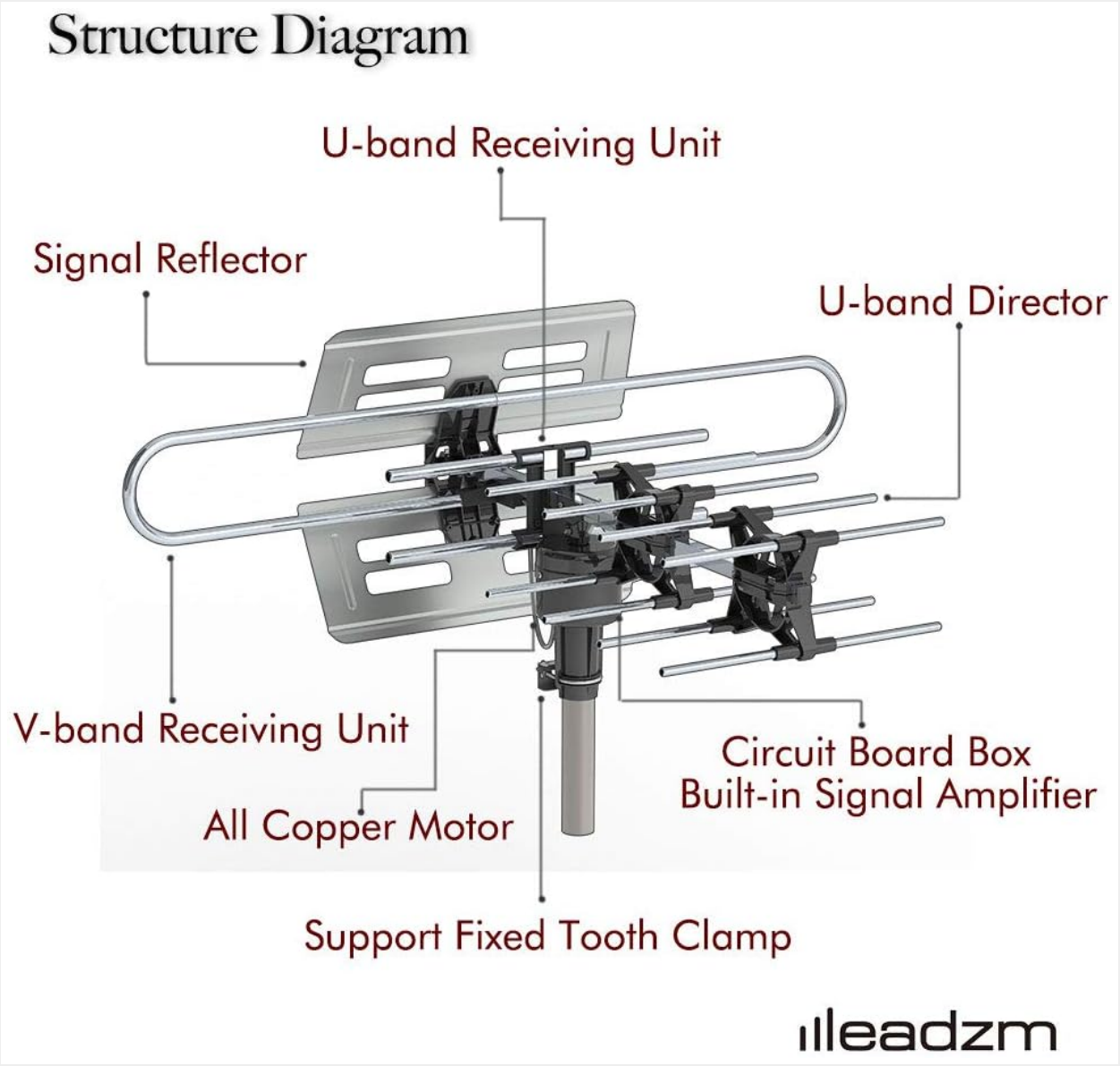


Image: An illustration highlighting the antenna's unique signal enhancement and clutter filter board, with a circuit board graphic.

7. Troubleshooting

7.1 No Signal or Poor Reception

- **Check Connections:** Ensure all coaxial cables are securely connected to the antenna, power supply box, and television.
- **Power Supply:** Verify that the power supply box is properly plugged into a functioning AC110V outlet.
- **Antenna Direction:** Use the remote control to rotate the antenna and try different directions. Perform a channel scan after each significant adjustment to find the optimal signal.
- **Obstructions:** Confirm there are no new physical obstructions (e.g., trees, buildings) blocking the line of sight between the antenna and broadcast towers.
- **Re-scan Channels:** Perform a new channel scan on your TV. Signal availability can change, requiring a fresh scan.

7.2 Remote Control Not Working

- **Batteries:** Replace the batteries in the remote control.
- **Line of Sight:** Ensure there is a clear line of sight between the remote control and the antenna's receiver.

- **Distance:** Confirm you are within the effective remote control distance (up to 5 meters).

8. Specifications

Feature	Specification
Model	TA-983
Frequency Range	45-860 MHz
Gain	22-38dB
Rotation	360°
Channels	VHF1-12, UHF21-69
Impedance	75 Ω
Power Consumption	3W
Power Supply	AC110V
Rotation Speed	2-4 rounds/min
Remote Controlled Distance	≤5m
Standing Wave Ratio	≤1.5
Material	Plastic, Aluminum
Wire Length	39.37ft (12m)
Product Dimensions	16.34 x 7.28 x 4.53 inches
Item Weight	3.31 pounds

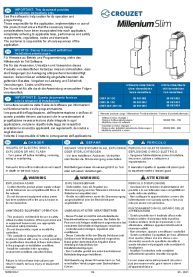
Image: Technical drawing showing the dimensions of the Leadzm TA-983 antenna from multiple perspectives.

9. Warranty and Support

Specific warranty information for the Leadzm TA-983 antenna is not provided in the product details. For warranty claims, technical assistance, or customer support, please contact Leadzm customer service directly through their official website or the retailer from whom the product was purchased.

© 2023 Leadzm. All rights reserved.

Related Documents - TA-983

	[Crouzet Millenium Slim Logic Controller - Installation Guide] Installation guide for the Crouzet Millenium Slim logic controller, covering safety, description, installation conditions, inputs, outputs, LED operation, Bluetooth interface, and connections. Includes multilingual information in English, German, and Italian.
	[BG2 Project Antenna Material Requirement Specification] Technical and material specification for the THOT BG2 antenna assembly, detailing passive parameters, engineering drawings, bill of materials, and packing requirements for various antenna types including BLE and GPS.
	[Nokia 215 4G User Guide - Official Manual] Official user guide for the Nokia 215 4G feature phone by HMD Global. This manual provides detailed instructions on setup, calls, contacts, messaging, internet, music, customization, and safety information, including SAR details.
	[TA-SCOPE: Guía de Usuario y Manual de Instrucciones] Explore el TA-SCOPE, un instrumento avanzado para el equilibrio y diagnóstico de sistemas hidráulicos. Este manual proporciona información detallada sobre sus funciones, operación y mantenimiento.
	[Nokia 105 (2022) User Guide: Setup, Features, and Safety Information] Comprehensive user guide for the Nokia 105 (2022) mobile phone. Learn about setup, calls, messages, personalization, safety, and device care from HMD Global.
	[Nokia 105 (2022) User Guide: Setup, Features, and Safety Information] Comprehensive user guide for the Nokia 105 (2022) mobile phone. Learn how to set up, make calls, send messages, personalize settings, and understand safety guidelines. Includes information on device care and RF exposure.