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Carbest 135063790

Carbest Manual Flat HD Satellite Antenna User Manual

Model: 135063790

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Carbest Manual Flat HD Satellite Antenna. Designed for caravans and motorhomes, this antenna offers reliable satellite signal reception with manual skew adjustment for optimal performance. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. Safety Information

Always observe the following safety precautions to prevent injury or damage to the product:

- Ensure the antenna is securely mounted to prevent it from dislodging during travel or strong winds.
- Do not attempt to open or modify the antenna unit. There are no user-serviceable parts inside.
- Disconnect power before performing any installation or maintenance.
- Avoid contact with the LNB (Low Noise Block) converter if it is exposed, as it contains sensitive electronics.
- Refer to the label on the back of the antenna for specific warnings and certifications.



Figure 2.1: Rear view of the antenna showing the product label with warnings and specifications. Note the "DO NOT REMOVE" warning.

3. Package Contents

Verify that all components are present in the package:

- Carbest Flat HD Satellite Antenna Unit
- Adjustable Mounting Pole
- Mounting Bracket and Hardware (screws)
- Coaxial Cable with F-connector
- LNB (integrated)



Figure 3.1: Overview of the Carbest Flat HD Satellite Antenna components included in the package.

4. Setup and Installation

Follow these steps for proper installation of your Carbest satellite antenna:

4.1 Mounting the Antenna

The antenna is designed for flush-mounted installation on the roof of your caravan or motorhome. Ensure the mounting surface is flat and strong enough to support the antenna.

1. Identify a suitable location on the roof, clear of obstructions.
2. Drill the necessary holes for the mounting pole and securing screws as per the provided template (if applicable, otherwise measure carefully).
3. Insert the mounting pole through the roof opening. Ensure the sealing gasket is properly seated to prevent water ingress.
4. Secure the mounting bracket to the underside of the roof using the provided screws.
5. Attach the flat antenna unit to the top of the adjustable pole.



Figure 4.1: Detail of the antenna's flush-mount base and cable routing.

4.2 Connecting the Coaxial Cable

Connect the coaxial cable from the antenna to your satellite receiver or TV.

1. Locate the F-connector on the antenna's LNB output.
2. Carefully screw the coaxial cable's F-connector onto the antenna's output. Ensure a snug fit to prevent signal loss.
3. Route the cable safely to your satellite receiver, avoiding kinks or sharp bends.



Figure 4.2: Coaxial cable F-connector for signal transmission.

4.3 Initial Antenna Positioning

Before fine-tuning, position the antenna roughly towards the desired satellite.



Figure 4.3: Assembled Carbest Flat HD Satellite Antenna.

5. Operating Instructions

The Carbest antenna requires manual adjustment for optimal signal reception. This involves adjusting the elevation (angle) and skew.

5.1 Adjusting Elevation (Angle)

The adjustable pole allows you to set the elevation angle of the antenna. This angle depends on your geographical location and the satellite you wish to receive.

1. Consult a satellite finder app or website to determine the correct elevation angle for your location and desired satellite.
2. Loosen the locking mechanism on the adjustable pole.
3. Adjust the pole length until the desired angle is achieved. The pole features markings (e.g., 80, 85) to assist with angle setting.
4. Tighten the locking mechanism to secure the pole in place.





Figure 5.1: Pole markings for elevation adjustment.

5.2 Adjusting Skew

Skew adjustment compensates for the curvature of the Earth and ensures the LNB is perfectly aligned with the satellite signal. This is crucial for maximizing signal quality, especially for HD channels.

1. The flat antenna unit can be rotated horizontally on its mounting point.
2. While monitoring the signal strength on your satellite receiver, slowly rotate the antenna unit left or right.
3. Stop rotating when the signal strength and quality are at their maximum.



Figure 5.2: Antenna unit demonstrating skew adjustment.

Tip: For best results, use a satellite signal meter to fine-tune both elevation and skew adjustments.

6. Maintenance

The Carbest antenna is designed for durability and requires minimal maintenance.

- **Cleaning:** Periodically clean the surface of the antenna with a soft, damp cloth to remove dirt, dust, or debris that may obstruct the signal. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly inspect the mounting hardware and cable connections for any signs of wear, corrosion, or looseness. Tighten any loose screws or connections.
- **Winterization:** In areas with heavy snowfall, ensure snow and ice are cleared from the antenna surface to maintain

signal reception. Use a soft brush or warm water; avoid sharp objects.

7. Troubleshooting

If you experience issues with your Carbest satellite antenna, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Signal / Weak Signal	Incorrect antenna alignment (elevation or skew). Obstruction (trees, buildings). Loose or damaged cable connection.	Re-adjust elevation and skew carefully using a signal meter. Relocate the vehicle to an area with a clear line of sight to the satellite. Check all cable connections; ensure they are tight and undamaged.
Poor Picture Quality / Pixelation	Insufficient signal strength or quality. Interference.	Fine-tune antenna alignment for maximum signal. Check for nearby sources of electrical interference.
Antenna not stable after adjustment	Locking mechanism not tightened sufficiently.	Ensure all locking screws and bolts are securely tightened after adjustment.

8. Specifications

Technical specifications for the Carbest Manual Flat HD Satellite Antenna:

- **Brand:** Carbest
- **Model Number:** 135063790
- **Antenna Type:** Satellite, Flat Panel
- **Impedance:** 75 ohms
- **Maximum Frequency Range:** 2150 MHz
- **Adjustment:** Manual Elevation and Skew
- **Application:** Caravans and Motorhomes
- **ASIN:** B01N5V6GHU
- **UPC:** 700811535097

9. Warranty and Support

Return Policy: This product is eligible for a refund or replacement within 30 days of receipt, in accordance with standard return policies.
Technical Support: For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact the seller, Freizeitschmiede, directly through your purchase platform or their official contact channels.

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