

Albrecht AE Desktop 1300

Albrecht AE Desktop 1300 Scanner Antenna User Manual

1. INTRODUCTION

This manual provides comprehensive instructions for the proper setup, operation, and maintenance of your Albrecht AE Desktop 1300 Scanner Antenna. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.

2. PRODUCT OVERVIEW

The Albrecht AE Desktop 1300 is a compact scanner station antenna designed for wideband reception across the 25 - 1300 MHz frequency range. Its design makes it suitable for indoor use or balcony installations. The antenna features a magnetic base for stable placement and comes with eight radial elements.

Key Features:

- Frequency Range: 25 - 1300 MHz
- Impedance: 50 Ohm
- Connector Type: BNC
- Base: Magnetic
- Antenna Length: Approximately 100 cm
- Radials: 8 pieces, each 41 cm long



Figure 2.1: The Albrecht AE Desktop 1300 Scanner Antenna. This image displays the complete antenna assembly, including the central mast, radiating elements, and eight ground radials extending from the base, with the coaxial cable visible.

3. PACKAGE CONTENTS

Please verify that all items listed below are present in your package:

- 1x Albrecht AE Desktop 1300 Antenna (main mast with radiating elements)
- 1x Magnetic Base with integrated coaxial cable (approx. 4m length) and BNC connector
- 8x Radial Elements (approx. 41 cm each)
- 1x Hex Key (for assembly)

4. SETUP INSTRUCTIONS

Follow these steps to assemble and set up your antenna:

4.1. Assembling the Radials

1. Carefully unpack all components.
2. Locate the magnetic base and the eight radial elements.
3. Insert each of the eight radial elements into the designated slots around the base of the antenna.
Ensure they are securely fastened, using the provided hex key if necessary, to prevent loosening.



Figure 4.1: Close-up view of the antenna base, showing the attachment points for the radial elements. Each radial should be firmly inserted into its respective slot.



Figure 4.2: Detail of the upper radiating elements and coil. These components are pre-assembled and do not require user intervention.

4.2. Antenna Placement

For optimal reception, place the antenna in an elevated position, clear of obstructions. The magnetic base allows for stable placement on suitable metallic surfaces. It is designed for indoor use or on a balcony.

- Choose a location with minimal interference from electronic devices.
- Ensure the antenna is upright and stable.

4.3. Connecting to Your Receiver

1. Locate the coaxial cable attached to the antenna's magnetic base.
2. Connect the BNC connector at the end of the coaxial cable to the antenna input port on your scanner or receiver. Ensure the connection is firm.



Figure 4.3: Close-up of the BNC connector. This connector is used to attach the antenna cable to your scanner or receiver.

5. OPERATING INSTRUCTIONS

Once the antenna is assembled and connected, your scanner or receiver is ready for operation. The Albrecht AE Desktop 1300 is a passive antenna and does not require external power.

- Turn on your scanner/receiver and tune to the desired frequency within the 25 - 1300 MHz range.
- Adjust the position of the antenna slightly if reception is poor, as local conditions can affect signal strength.

6. MAINTENANCE

The Albrecht AE Desktop 1300 antenna requires minimal maintenance to ensure continued performance.

- **Cleaning:** Periodically wipe the antenna elements and base with a soft, dry cloth to remove dust. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly check the radial elements and cable for any signs of damage or corrosion. Ensure all connections remain secure.
- **Environmental Protection:** While suitable for balcony use, prolonged exposure to extreme weather conditions (heavy rain, snow, direct sunlight) may reduce its lifespan. Consider bringing it indoors

during severe weather.

7. TROUBLESHOOTING

If you experience issues with your antenna, consider the following:

- **Poor Reception:**

- Ensure the antenna is placed in an elevated position, away from large metallic objects or other electronic devices that may cause interference.
- Check all cable connections to ensure they are secure.
- Try repositioning the antenna to a different location.
- Verify that your scanner/receiver is functioning correctly and tuned to the correct frequency.

- **No Signal:**

- Confirm the BNC connector is fully inserted into your receiver's antenna input.
- Inspect the coaxial cable for any visible damage (cuts, kinks).
- Ensure all radial elements are properly attached.

8. SPECIFICATIONS

Feature	Specification
Brand	Albrecht
Model	AE Desktop 1300 (2040290)
Frequency Range	25 - 1300 MHz
Impedance	50 Ohm
Connector Type	BNC
Antenna Type	Scanner Station Antenna
Base Type	Magnetic Base
Antenna Length	100 cm
Radial Length	8 x 41 cm
Power Source	Electrically Wired (Passive)
Product Dimensions	41L x 41W x 100H cm
Weight	1.64 kg (package weight)

9. WARRANTY AND SUPPORT

Warranty information for the Albrecht AE Desktop 1300 antenna is typically provided by the manufacturer or the point of purchase. Please refer to the documentation included with your product or visit the official Albrecht website for details regarding warranty coverage and customer support. For returns or exchanges, please consult the retailer's policy where the product was purchased.

 ALBRECHT DR 425 IR Internetradio  Handleiding Nederlands 	ALBRECHT DR 425 IR Internetradio Handleiding: Gebruikersgids en Specificaties Volledige gebruikershandleiding voor de ALBRECHT DR 425 IR internetradio. Leer hoe u instellingen configureert, radiostations vindt, Spotify gebruikt, en meer. Inclusief specificaties en probleemoplossing.
 CB Funkgerät AE 6491 ANC CB radio AE 6491 ANC  Bedienungsanleitung / Manual Deutsch / English / Français / Italiano 	Albrecht AE 6491 ANC CB Radio User Manual Comprehensive user manual for the Albrecht AE 6491 ANC CB radio, covering installation, operation, features, and troubleshooting. Includes instructions in German, English, French, and Italian.
 Albrecht DR315 Internet / DAB / FM Radio  User Manual 	Albrecht DR315 Internet DAB FM Radio User Manual Comprehensive user manual for the Albrecht DR315 Internet, DAB, and FM Radio, detailing setup, configuration, operation, and features for optimal listening experience. Includes safety notes, network setup, and radio mode instructions.
 CB Funkgerät AE 6491 ANC CB radio AE 6491 ANC  Bedienungsanleitung / Manual Deutsch / English / Français / Italiano 	Albrecht AE 6491 ANC CB Funkgerät Bedienungsanleitung Umfassende Bedienungsanleitung für das Albrecht AE 6491 ANC CB Funkgerät. Erfahren Sie mehr über Installation, Funktionen wie VOX, ASQ, AM/FM-Umschaltung und Ländereinstellungen für optimale Kommunikation.
 AE 5900 Mini SSB CB-Funkgerät / CB radio  Anleitung / Manual / Manuale Deutsch / English / Français / Italiano 	Albrecht AE 5900 Mini SSB CB-Funkgerät Bedienungsanleitung Diese offizielle Bedienungsanleitung für das Albrecht AE 5900 Mini SSB CB-Funkgerät liefert wesentliche Informationen für Benutzer zur effektiven Installation, Bedienung und Wartung ihres Geräts.
	Albrecht AE 102 VHF Handsprechfunkgerät Bedienungsanleitung Diese Bedienungsanleitung bietet detaillierte Informationen zur Verwendung des Albrecht AE 102 VHF Handsprechfunkgeräts, einschließlich Funktionen, Bedienungselementen, Inbetriebnahme und technischen Daten.