

Zenec Z-N976

ZENEC Z-N976 Multimedia System User Manual

Model: Z-N976

1. PRODUCT OVERVIEW

The ZENEC Z-N976 is a sophisticated 2-DIN multimedia system designed for seamless integration into various vehicles, including cars and motorhomes. It features a large 9-inch (22.9 cm) capacitive touchscreen display, offering a clear and vibrant visual experience. The system's modern user interface allows for parallel display of three sources, providing quick access to essential information.

Key features include a dual DAB+ tuner, FM radio, support for iPod/iPhone, two USB ports, HDMI connectivity, and three camera inputs with microphone audio. The integrated Bluetooth system facilitates hands-free calling and music streaming, and also supports BT-SRC mode for wireless audio transmission to external Bluetooth speakers, controllable via the ZENEC SP-REM smartphone app.

The Z-N976 offers wireless Android Auto and wireless Apple CarPlay, enabling effortless smartphone integration for navigation, communication, and entertainment. Control is intuitive, via voice commands (Apple Siri, Google Assistant) or the responsive touchscreen. Advanced audio features include 5-channel runtime correction, a 10-band graphic equalizer, and adjustable high-pass and low-pass filters.



Figure 1.1: The main interface of the ZENEC Z-N976, displaying navigation, Bluetooth, and USB media sources simultaneously. This modern operating concept allows users to view multiple important functions at a glance.

2. PACKAGE CONTENTS

Upon unboxing, ensure all the following components are present:

- ZENEC Z-N976 Multimedia System Unit
- External Hands-Free Microphone
- GPS Antenna
- Bluetooth Antenna
- 2 x USB Cables
- LFB Adapter (Steering Wheel Control Adapter)
- Connection Cables: 16-pin, 24-pin, 20-pin
- LIN Bus Cable
- Handbrake Connection Cable
- 2 x Remote Controls (including maxi remote control)
- Mounting Frame
- Adapter

3. SETUP AND INSTALLATION

Installation of the Z-N976 should ideally be performed by a qualified professional due to the complexity of vehicle electrical systems. Ensure the vehicle's battery is disconnected before beginning any installation work.

3.1. Physical Installation

1. **Mounting:** The Z-N976 is designed to fit standard 2-DIN slots. Use the provided mounting frame to secure the unit

in the vehicle's dashboard.

2. **Power and Speaker Connections:** Connect the main 16-pin, 24-pin, and 20-pin connection cables to the corresponding ports on the unit and the vehicle's wiring harness. Ensure correct polarity for all power and speaker connections.
3. **Antenna Connections:** Connect the GPS antenna and Bluetooth antenna to their respective ports on the rear of the unit. Position the antennas in a location that provides clear signal reception, away from metal obstructions.
4. **USB and HDMI Connections:** Route the two USB cables and the HDMI cable to easily accessible locations within the vehicle, such as the glove compartment or center console.
5. **Camera Inputs:** If installing optional cameras (e.g., reverse camera, front camera), connect their video and power cables to the designated camera inputs on the Z-N976.
6. **Hands-Free Microphone:** Connect the external hands-free microphone and route it to a suitable location, such as near the rearview mirror or on the A-pillar, ensuring clear voice pickup.
7. **Steering Wheel Control (LFB):** Connect the LFB adapter to integrate the unit with your vehicle's steering wheel controls. Refer to your vehicle's specific wiring diagram for proper connection.
8. **LIN Bus and Handbrake:** Connect the LIN bus and handbrake cables as per the vehicle's requirements. The handbrake connection is crucial for safety features that restrict video playback while driving.

3.2. Initial Power-Up and Configuration

After all physical connections are made, reconnect the vehicle's battery. The unit should power on. Follow the on-screen prompts for initial setup, which may include language selection, time/date settings, and basic audio configuration.



Figure 3.1: The ZENEC Z-N976 seamlessly integrated into a vehicle's dashboard, showcasing its navigation capabilities. Proper installation ensures optimal performance and aesthetic fit.

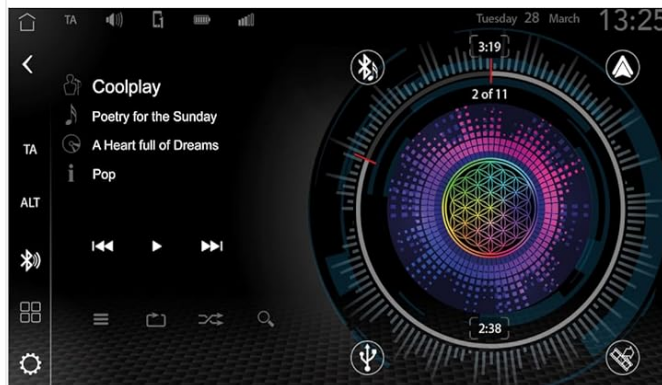
4. OPERATING INSTRUCTIONS

4.1. Touchscreen Interface

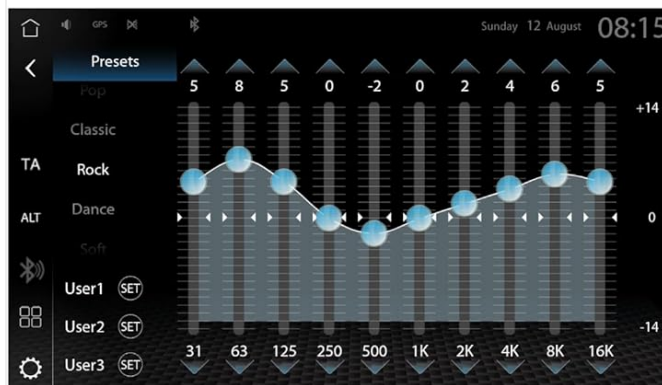
The 9-inch capacitive touchscreen is the primary interface for controlling the Z-N976. Navigate through menus, select functions, and input data by touching the screen. The interface is designed to display up to three sources simultaneously for quick information access.



DAB+ TWIN TUNER



ZWEI USB-PORTS FÜR AUDIO & VIDEO



GRAFISCHER 10-BAND EQUALIZER

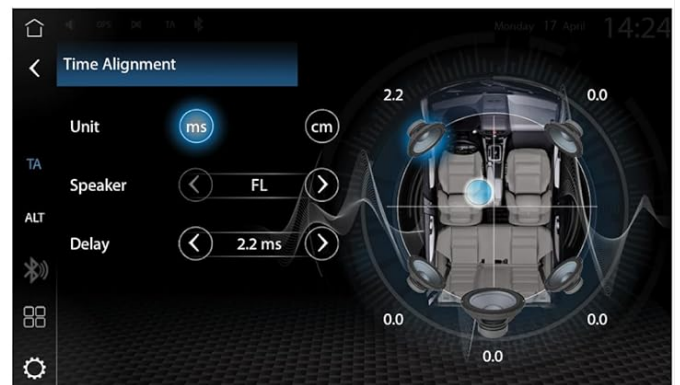
UMFANGREICHES INFOTAINMENT



UKW RDS TUNER



FREISPRECHEN & MUSIKSTREAMING



5-KANAL LAUFZEITKORREKTUR

Figure 4.1: Various operational screens of the Z-N976, including DAB+ radio, FM radio, USB media playback, Bluetooth hands-free calling, the 10-band graphic equalizer, and the 5-channel runtime correction interface. These illustrate the system's comprehensive infotainment and audio tuning capabilities.

4.2. Radio Functions (DAB+/FM)

- **DAB+ Tuner:** Select the DAB+ source to access digital radio stations. The dual DAB+ tuner ensures stable reception. Scan for available stations and save your favorites.
- **FM Radio:** Switch to FM mode for analog radio. Use the auto-scan function to find stations or manually tune to a specific frequency.

4.3. Media Playback (USB, iPod/iPhone)

- **USB Media:** Connect USB storage devices to the provided USB ports. The system supports various audio and video formats. Browse files and folders directly on the touchscreen.
- **iPod/iPhone:** Connect your Apple device via USB for direct control and playback of music and other media.

4.4. Bluetooth Connectivity

- **Pairing:** Enable Bluetooth on your smartphone and search for the Z-N976. Follow the on-screen prompts to pair your device.
- **Hands-Free Calling:** Once paired, make and receive calls directly through the Z-N976 using the external microphone and vehicle speakers.
- **Audio Streaming:** Stream music wirelessly from your smartphone to the Z-N976.
- **BT-SRC Mode:** Utilize BT-SRC mode to transmit audio from the Z-N976 to external Bluetooth speakers. Control this function via the ZENEC SP-REM smartphone app.



Figure 4.2: The Z-N976 demonstrating its BT-SRC mode, allowing audio to be wirelessly transmitted to an external Bluetooth speaker. This feature enhances flexibility for audio enjoyment inside or outside the vehicle.



Z-N976 – mit separat erhältlichen Navikarten erweiterbar



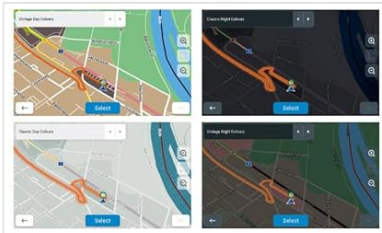
Z-EMAP76PC-NNG3
micro SDXC-Karte mit PKW-Navi



Z-EMAP76MH-TT3
micro SDHC-Karte mit Reisemobil-Navi

Navikarten nicht im Lieferumfang des Z-N976 enthalten

Z-EMAP76PC-NNG3



Wählbare Farbschemata Karte



3-D Gebäudedarstellung

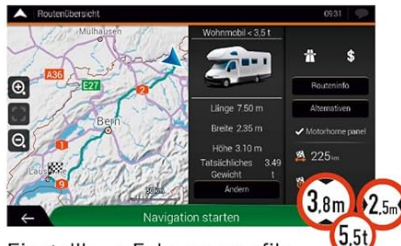


Navi Splitscreen modus

Z-EMAP76MH-TT3



Hochaufgelöste 3-D Karten



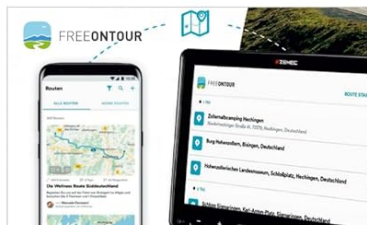
Einstellbare Fahrzeugprofile



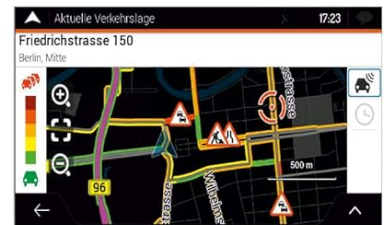
Camping P.O.I. Paket



6,5 Millionen Sonderziele (P.O.I.)



FREEONTOUR / Send-To-Car



TMC / TPEG

Figure 4.3: The ZENEC Z-N976 being controlled via the ZENEC SP-REM smartphone application, illustrating how users can manage audio sources and settings remotely for enhanced convenience.

4.5. Smartphone Integration (Android Auto & Apple CarPlay)

The Z-N976 supports wireless Android Auto and wireless Apple CarPlay. Connect your compatible smartphone via Wi-Fi to access navigation, communication, and entertainment apps directly on the unit's screen.

- **Wireless Connection:** Ensure Wi-Fi is enabled on your smartphone and the Z-N976. Follow the pairing instructions on the unit's screen.
- **Voice Control:** Use Apple Siri or Google Assistant for hands-free control of functions like navigation, calls, and music playback.



Figure 4.4: The Z-N976's main menu displaying icons for various functions including Navigation, Camera, DAB+, FM, USB, CarPlay, Android Auto, and Bluetooth, highlighting its comprehensive connectivity options.



Figure 4.5: The Z-N976 displaying a selection of compatible applications, such as WhatsApp, YouTube Music, Spotify, and navigation apps, demonstrating the versatility of its smartphone integration features.

4.6. Audio Settings

Access the audio settings menu to fine-tune your sound experience:

- **5-Channel Runtime Correction:** Adjust the delay for each speaker to ensure optimal sound staging.
- **10-Band Graphic Equalizer:** Customize the audio frequency response to match your preferences or vehicle acoustics.
- **High-Pass and Low-Pass Filters:** Set crossover frequencies for speakers and subwoofers to optimize sound reproduction and protect speakers.

4.7. Navigation (Optional)

The Z-N976 can be extended with dedicated navigation packages:

- **Z-EMAP76PC-NNG3 (Car Version):** Provides navigation for cars with maps of over 40 EU countries and an

extensive Point of Interest (POI) database.

- **Z-EMAP76MH-TT3 (Motorhome Version):** Tailored for motorhomes, this package includes a Camping POI database, FREEONTOUR/Send-To-Car function, and allows for vehicle profile selection and input of vehicle-specific data (e.g., dimensions, weight) for optimized routing.

These navigation packages are sold separately.

5. MAINTENANCE

- **Screen Cleaning:** Use a soft, lint-free cloth to gently wipe the touchscreen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid abrasive materials or harsh chemicals.
- **Software Updates:** Periodically check the ZENEC website for firmware updates. Updates can improve performance, add new features, or resolve bugs. Follow the instructions provided with the update package carefully.
- **General Care:** Keep the unit free from dust and debris. Avoid exposing it to extreme temperatures or direct sunlight for prolonged periods.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on.	No power supply; incorrect wiring; blown fuse.	Check power connections and vehicle fuses. Ensure proper wiring. Consult an installer if unsure.
No sound from speakers.	Speaker wires disconnected; volume too low; mute activated; incorrect audio settings.	Check speaker connections. Increase volume. Deactivate mute. Verify audio output settings (e.g., fader/balance).
Bluetooth device won't pair.	Bluetooth not enabled on device/unit; device already paired with another unit; incorrect pairing procedure.	Ensure Bluetooth is active on both devices. Forget previous pairings on your phone. Restart both devices and try pairing again.
GPS signal lost or inaccurate.	GPS antenna obstructed or disconnected; unit in an area with poor satellite coverage.	Check GPS antenna connection and placement. Move to an open area for better signal.
Touchscreen unresponsive.	System frozen; temporary software glitch.	Perform a soft reset (refer to the unit's specific reset procedure, usually a small reset button). If persistent, disconnect power for a few minutes.

If problems persist after attempting these solutions, please contact ZENEC customer support or a certified service center.

7. SPECIFICATIONS

Feature	Detail
Model Number	Z-N976
Brand	Zenec
Display	9" / 22.9 cm Capacitive Touchscreen

Feature	Detail
Connectivity	USB, Wi-Fi, Bluetooth, HDMI
Tuner	Dual DAB+, FM Radio
Smartphone Integration	Wireless Android Auto, Wireless Apple CarPlay
Audio Features	5-channel Runtime Correction, 10-band Graphic Equalizer, High-Pass/Low-Pass Filters
Camera Inputs	3 (with Mic audio)
HDMI Ports	1
Audio Output Mode	Surround
Surround Sound Channel Config	5.0
Video Encoding Support	H.264, H.265/HEVC
Compatible Devices	iPhone, Android Smartphone, USB Media

8. WARRANTY AND SUPPORT

8.1. Warranty Information




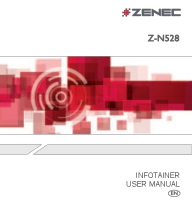

Information regarding specific warranty terms and duration is typically provided with your purchase documentation or can be found on the official ZENEC website. Please retain your proof of purchase for warranty claims.

8.2. Customer Support

For technical assistance, troubleshooting beyond this manual, or service inquiries, please contact ZENEC customer support. Visit the official ZENEC website for contact details, FAQs, and additional resources.
Note: Availability of spare parts and software updates is not explicitly guaranteed beyond initial release. Please refer to the manufacturer's official statements for the most current information.



Related Documents - Z-N976

 <p>Z-N976 INFOTAINER OPERATING INSTRUCTIONS</p>	<p>ZENEC Z-N976 Infotainer: Comprehensive Operating Instructions and User Guide</p> <p>This document provides detailed operating instructions for the ZENEC Z-N976 Infotainer. Learn how to use its features, settings, connectivity options, and safety guidelines for optimal in-car multimedia experience.</p>
 <p>Z-E2065 INFOTAINER OPERATING INSTRUCTIONS</p>	<p>ZENEC Z-E2065 Infotainer Operating Instructions</p> <p>Comprehensive operating instructions for the ZENEC Z-E2065 Infotainer, covering setup, features, media playback, connectivity, and system settings.</p>
 <p>Z-N538 INFOTAINER OPERATING INSTRUCTIONS</p>	<p>ZENEC Z-N538 Infotainer Operating Instructions</p> <p>Comprehensive operating instructions for the ZENEC Z-N538 Infotainer multimedia system, covering installation, setup, Bluetooth connectivity, media playback (audio/video), smartphone integration (Apple CarPlay, Android Auto), radio functions (FM/DAB+), camera input, audio settings, system configuration, and warranty information.</p>
 <p>Z-N528 INFOTAINER USER MANUAL</p>	<p>ZENEC Z-N528 Infotainer User Manual</p> <p>Comprehensive user manual for the ZENEC Z-N528 Infotainer, covering installation, operation, features like Apple CarPlay, Android Auto, Bluetooth, and media playback.</p>
 <p>Z-E3776 INFOTAINER OPERATING INSTRUCTIONS</p>	<p>ZENEC Z-E3776 Infotainer Operating Instructions Manual</p> <p>Comprehensive operating instructions and user manual for the ZENEC Z-E3776 Infotainer multimedia system, covering installation, features, settings, and troubleshooting.</p>



Z-E3776
INFOTAINER
BEDIENUNGSANLEITUNG
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[ZENEC Z-E3776 Infotainer Bedienungsanleitung](#)

Entdecken Sie die volle Funktionalität Ihres ZENEC Z-E3776 Infotainers mit dieser umfassenden Bedienungsanleitung. Erfahren Sie alles über Installation, Bedienung und Konnektivität.