

KEY FEATURES

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- 2-DIN infotainment system, expandable with separately available offline GPS navigation packages*1
- Novel graphical user-interface for simultaneous presentation and control of internal and external data sources on the device screen
- Touch sensitive, capacitive 9"/22.9 cm LCD-TFT display (1,024 x 600 pixels) with real glass surface
- DAB+ twin-tuner, FM RDS radio
- Works with wireless Google Android Auto™, Works with wireless Apple CarPlay
- Bluetooth LE 5.0 hands-free module with HFP v1.7 and A2DP music streaming
- Control of up to three CVBS signal camera systems with auto switching and individually adjustable distance-helper lines
- Ready for connection and control of ZENEC "multi-view" reversing camera systems
- CAM sensor key for direct camera function control on device front panel
- SP-REM remote control App for smartphone operation of audio playback functions
- Android operating system for embedded systems that can be updated via software update*2
- RGB multicolor sensor key illumination
- 2 x IR remote control incl. maxi-remote

BLUETOOTH

- Bluetooth LE 5.0 module with hands-free function (HFP v1.7 profile)
- Import of 1,000 phone book entries with 3 phone numbers each
- Memory-resident phonebook with direct access to sync'd contacts
- Fast dial function for contact favorites
- Phonebook contact search function via keypad for first and last name
- BT-SRC mode for wireless music streaming to external Bluetooth loudspeakers
- A2DP 1.3 music streaming via smartphone with AVRCP 1.6 and iD3-Tag display
- Internal Bluetooth microphone, input for external microphone (contained in the set)

MULTIMEDIA + AUDIO

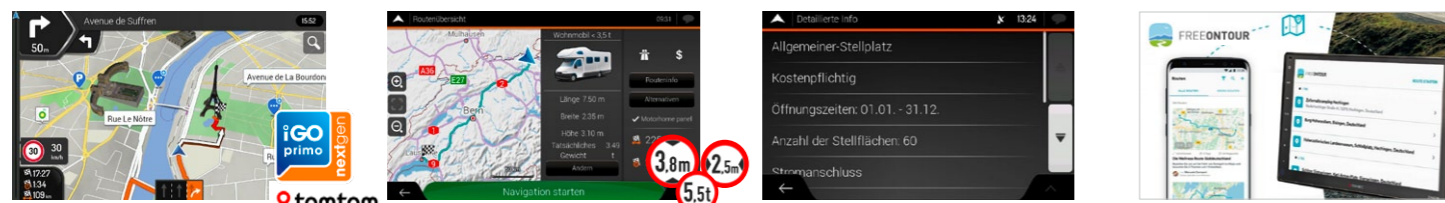
- DAB+ twin-tuner with dynamic station list, DAB-FM and DAB-DAB Service Following, MOT slideshow and DLS-text

- FM RDS radio with 18 station presets and DSP noise masking
- Connection for external monitor with fixed level A/V outputs
- 1 x USB(1) 3.0 Port for USB media playback*3 and software updates
- 1 x USB(2) 2.0 Port for Google Android Auto™, Apple CarPlay, Apple MFi, USB media playback*3 and software updates
- 4 x 50 W amplifier
- Made for iPod / iPhone
- 5-CH time alignment via audio DSP, 10-band graphic equalizer
- 12 dB/oct. high-pass and low-pass x-over for front/rear/sub
- Active x-over mode for 2-way front doors system with selectable crossover frequencies (12 dB/oct.)
- 24 Bit D/A converter

CONNECTIONS

- 4.2 RCA line pre-out 4.0 Vrms (@ input-R ≥ 2 k Ω , $\leq 0.02\%$ THD)
- 3 x RCA input for camera video signal (CVBS PAL, NTSC) with switched power supply and microphone input (Cam1)
- 1 x RCA input for ZENEC multi-view camera video signals (CVBS) with switched power supply
- 1 x DIN FM antenna input socket
- 1 x SMB DAB antenna input socket with switched 12 V power supply
- 1 x USB(1) 3.0 port and 1 x USB(2) 2.0 port, each with 1,500 mA charging current
- 1 x RCA A/V input for 2-CH audio and video (CVBS, PAL, NTSC) signal
- 1 x RCA A/V output for 2-CH audio and video (CVBS, NTSC) signal
- 1 x Input for external Bluetooth microphone (microphone contained in the set)
- 1 x Fakra GPS antenna input socket (GPS antenna contained in the set)
- 1 x SMA Bluetooth/WLAN antenna input socket (antenna contained in the set)
- 1 x IR-in for external CAN / SWC interface
- 1 x HDMI input for compatible accessories and mobile devices

*1 The navigation software packages are not part of the Z-N976 set content
 *2 Software updates are hosted on zenec.com: "ZENEC > Support > Software updates"
 *3 Supported A/V file formats: MP3, FLAC, AAC, M4A, WAV, AVI, MP4, H.264, HEVC/H.265, MKV 1080p, MPEG2/TS, MPG, Xvid

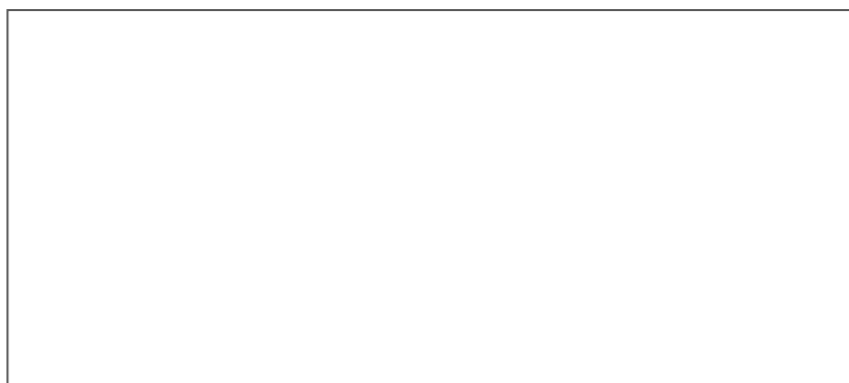


OPTIONAL NAVIGATION SOFTWARE PACKAGES FOR Z-N976

Two navigation software packages are available to extend the infotainer purposefully: Z-EMAP76PC-TT3 for passenger cars and Z-EMAP76MH-TT3 for motorhomes.

- 3D navigation software supplied on 32 GB microSDHC card*1
- Map coverage for 44 countries by content provider TomTom: Western and Eastern Europe, Great Britain
- Z-EMAP76MH-TT3: Pre-configured motor caravan profiles with additional input of height, width, length, weight and trailer data
- Camping POI package with approx. 20,000 campsite locations and stop over sites
- European Premium POI package with over 6.5 million special destinations
- Integrated FREEONTOUR send-to-car function for travel route planning incl. stop-over destination entries via Apple or Android smartphone*2
- Realistic 3D rendering of terrain, landmarks, city centers and highway exits
- Dead Reckoning navigation for precise route guidance without GPS signal (tunnels, underpasses, etc.)
- Nav splitscreen for audio sources showing street names and house numbers and turn-by-turn info with distance to next turn
- Lane assistance, tunnel mode, 3D auto-zoom for crossings and roundabouts and intelligent alternative route calculations, etc.
- TTS voice guidance
- TPEG traffic service data via DAB+ (country-specific coverage, free service only)
- TMC receiver (country-specific coverage, free service only)
- 3 years free map update subscription with provision of updates on the Naviextras portal*3

*1 The navigation software packages are not part of the set content of the ZENEC device.
 *2 Smartphone app available for download in the Apple / Google store
 *3 Map updates for this TomTom package can be obtained directly from www.zenec.naviextras.com



Z-N976

2-DIN Infotainer with 9"/22.9 cm Display



2-DIN INFOTAINER WITH 9" / 22.9 CM DISPLAY



The ZENEC Z-N976 is a top-class infotainer for vehicles with 2-DIN mounting slot. The Z-N976 combines the most advanced navigation and innovative multimedia functions, including **Wireless Apple CarPlay** and **Wireless Android Auto™**, and can be conveniently operated via the **capacitive 9"/22.9 cm touchscreen** and the sensor buttons. Thanks to the **modern operating concept**, in which three sources are displayed in parallel, you have all the important information at a glance.

The Z-N976 connects wirelessly to your smartphone via WLAN: Make phone calls, navigate or simply listen to music and podcasts – particularly safe operation is ensured. All supported functions can be conveniently controlled via Apple Siri, the Google voice assistant or via the touchscreen of the ZENEC device.

An integrated **DAB+ twin tuner with many comfort functions** offers clear digital radio reception including dynamic station lists, MOT Slideshow, DLS-text, DAB-FM and DAB-DAB Service Following. For audio and video playback, the Z-N976 has **two USB ports**.

In addition to phone calls and A2DP music streaming, the integrated **Bluetooth unit** is also capable of **BT-SRC mode**: This allows the signals from the Z-N976's audio sources to be streamed wirelessly to Bluetooth speakers inside and outside the vehicle and conveniently controlled using the ZENEC SP-REM **smartphone app**.

The Z-N976 also convinces with its sophisticated audio features. A **DSP chip with 5-channel time alignment** allows optimization of sound travel times for each speaker, providing for best center stage imaging on either the driver or passenger seat. With the **graphical 10-band equalizer** you can manually optimize the sound to correct for particularities of your vehicle or simply to suit personal preferences.

The Z-N976 supports up to **three cameras**. Configurable grid lines and camera audio playback make manoeuvring easy. The Z-N976 can be combined with the new ZENEC multi-view cameras, allowing direct free selection of different image sections and viewing angles on the touchscreen.

Two navigation software packages are available to extend the infotainer purposefully. With the Z-EMAP76PC-TT3 package the Z-N976 becomes fit for passenger cars. The package Z-EMAP76MH-TT3 is conceived for motorhome vehicles – featuring a wealth of dedicated functions to ease driving in such large vehicles.

VEHICLE COMPATIBILITY

The Z-N976 does fit in vehicles featuring a dashboard with mounting provision for a 2-DIN device, or else vehicle specific 2-DIN mounting kit respectively.

Note: Due to the 9 inch display dimension, care must be taken to avoid potential blocking of safety-critical control items of the dashboard, like for example hazard warning light switch, airbag module and switches, which may become obstructed and impaired by the Z-N976 front panel. ZENEC assumes no liability for the loss of the vehicle's type approval and/or consequential secondary costs attributed to non-compliance of vehicle with traffic regulations.

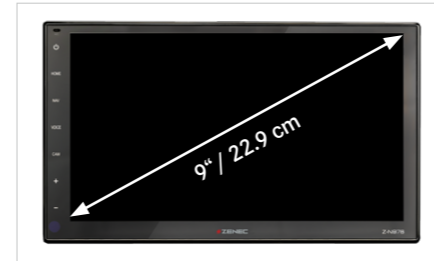
Indication:

The vehicle must feature a suitable active antenna system (FM/DAB+) to provide sufficiently high antenna signal level for correct tuner function.



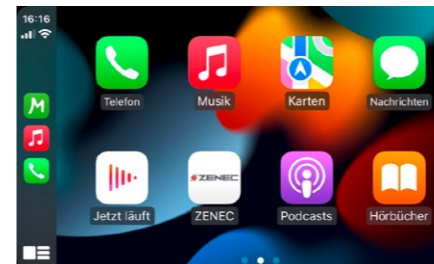
Universal infotainer

The Z-N976 is designed for vehicles with a 2-DIN mounting slot. The 9" display fits perfectly in most passenger cars and motorhomes – without covering safety-relevant elements.



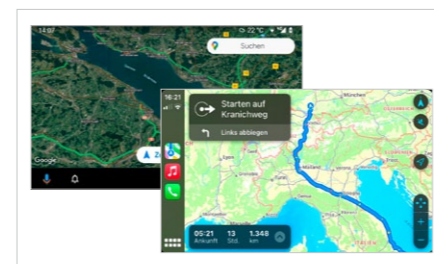
Large 9" capacitive screen

The large capacitive 9"/22.9 cm LCD TFT touchscreen with glass surface can be operated by light touch. The screen impresses with its high luminosity.



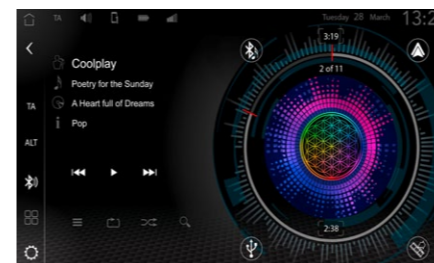
Wireless Apple CarPlay

Wired or wireless: Connect your Apple iPhone via USB or pair it wirelessly via WiFi to use Apple CarPlay. With Apple CarPlay, your favourite smartphone apps are at your fingertips.



CarPlay & Android Auto™: navi functions

Navigate with Apple and Google Maps certified and optimized for CarPlay and Android Auto. Both navigations impress with simple destination entry and clear route guidance.



Modern multi-format entertainer

The unit allows playback of many of today's digital audio and video media formats: MP3, FLAC, AAC, M4A, WAV, AVI, MP4, H.264, HEVC/H.265 MKV 1080p, MPEG2/TS, MPG, Xvid.



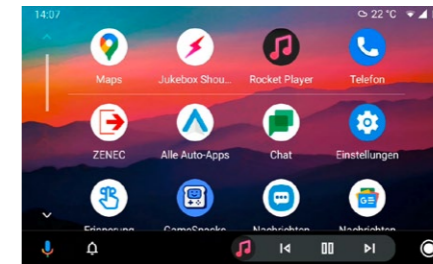
Connecting the multifunction steering wheel

The IR-IN input can be used to connect optionally available CAN/Stalk interfaces, connecting the Z-N976 to the vehicle CAN and the buttons of the multifunction steering wheel.



Innovative operating concept

A special highlight of the device is the new innovative operating concept with simultaneous display of the three sources on the large touchscreen.



Wireless Android Auto™

Smartphones with Android operating system can be connected wirelessly or via USB to use Android Auto. Android Auto is optimized for safe operation in road traffic.



Powerful DAB+ twin tuner

The integrated DAB+ twin tuner with dynamic station list, MOT slideshow, DLS-text as well as DAB-FM and DAB-DAB service following enables stable digital radio reception.



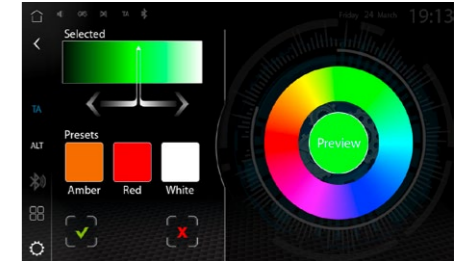
DSP for an audiophile sound experience

The ZENEC Z-N976 offers extensive sound settings: a 5-channel digital time alignment, digital high-pass and low-pass filters and a 10-band graphic equalizer.



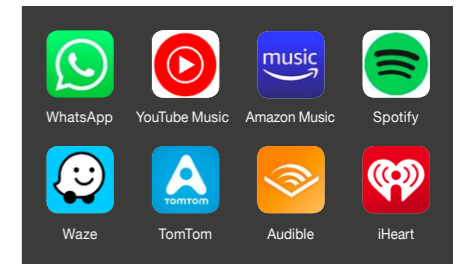
ZENEC remote control app

With the ZENEC SP-REM smartphone app, you can conveniently control functions of the unit's audio sources via your mobile phone – for example, from outside the vehicle.



RGB multicolor sensor key illumination

The sensor key illumination can be variably adjusted so that the Z-N976 integrates perfectly into the cockpit ambience of almost any vehicle.



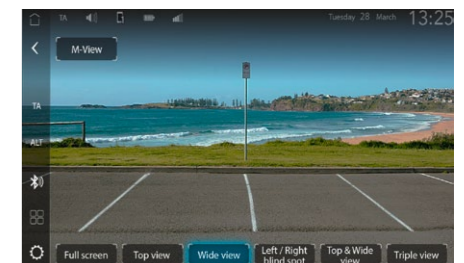
CarPlay & Android Auto™: app variety

With Apple CarPlay and Android Auto, you can also use your favourite apps in your vehicle – to listen to music and podcasts or send WhatsApp messages.



Bluetooth 5.0 hands-free module

The modern LowEnergy Bluetooth module convinces with excellent hands-free audio quality. Via A2DP you can stream music wirelessly from your mobile phone.



Connection of ZENEC multi-view cameras

The Z-N976 supports up to three cameras – including the new ZENEC multi-view camera models –, which can be controlled directly via the screen or the CAM sensor button.