



2-DIN INFOTAINER WITH WIRELESS CARPLAY & ANDROID AUTO™



The ZENEC Z-N538 is an innovative, top-equipped infotainer for vehicles with a **2-DIN device slot**.

The Z-N538 features Wireless Apple CarPlay and Wireless Android Auto™ as well as other modern multimedia functions. Operation via the **capacitive 6.75" / 17.1 cm touchscreen** and the hard keys is intuitive.

The main focus of the Z-N538 is on particularly easy and safe smartphone use via **Wireless Apple CarPlay** and **Wireless Google Android Auto™**. Thanks to the classic operating concept with the app icons on the screen, the device functions and sources can be controlled safely while driving. Connected wirelessly to the smartphone via WiFi, Apple CarPlay and Google Android Auto™ make it easy to use the Z-N538: making phone calls, navigating or listening to music and podcasts is child's play, as all supported apps and functions can also be controlled via Apple Siri or the Google voice assistant using voice commands.

The integrated **DAB+ twin tuner** offers clear digital radio reception and scores with its ease of use and numerous convenient functions, including dynamic station list, MOT slideshow, DLS text, DAB-FM and DAB-DAB Seamless Blending.

The **OE automotive FM-RDS twin tuner** provides state-of-the-art technology. Tuner 1 tunes to and plays back the radio program, while tuner 2 monitors the entire FM reception band via BGS-function, generating a dynamic station list for direct access of stations. While AF jumps remain inaudible and manual station changes are ultra swift. By the device internal database, the Z-N538 can display radio station logos of all official FM stations in the European broadcasting union.

The **Bluetooth 5.0 hands-free module** impresses with its high voice quality and memory-resistant import of up to 1,000 phone book contacts, each with 3 phone numbers. A contact search function by first and last name is also part of the program, as is A2DP music streaming with AVRCP control from smartphones.

The Z-N538 has **two camera inputs** (CVBS / AHD 720p) with switched power supply and maneuvering/switching function that starts automatically when reverse gear is engaged. For better distance estimation, distance-helper lines can be activated and set in the system setup, which appear as an overlay in the reversing camera view.

A DSP chip is also on board to tune the sound via advanced audio settings. It enables the optimization of spatial imaging by adjusting the **time alignment** of all five channels. The **16-bands parametric equalizer** is a powerful tool for straightening the cockpit frequency response or adjusting the sound balance according to personal preference.

Z-N538

FEATURE HIGHLIGHTS



Multicolor key illumination

The Z-N538 fits in all vehicles with a 2-DIN installation slot. The device is equipped with a multicolor RGB LED button illumination, which enables optimal adaptation to the cockpit lighting color of the target vehicle.



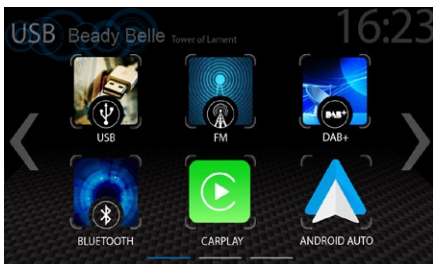
Connecting the multifunction steering wheel

The IR-IN input on the Z-N538 can be used to connect optionally available vehicle-specific CAN/Stalk interfaces. The interface connects the Z-N538 to the vehicle CAN and the buttons of the multifunction steering wheel.



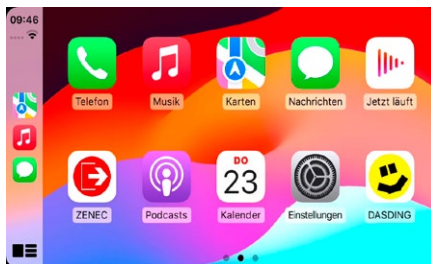
Hard keys for easy operation

The Z-N538 has large buttons and therefore enables direct, intuitive and safe operation. The advantage of "real" hard keys over sensor buttons: thanks to the "tactile feedback", hard keys can be operated without taking your eyes off the road.



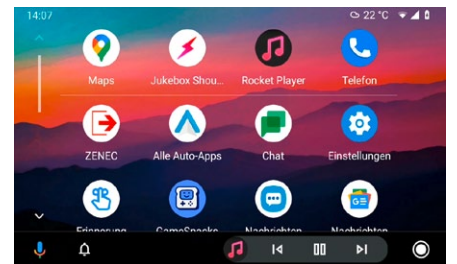
Clear and well-structured display

All sources and apps are clearly displayed – so all functions can be grasped at a glance and selected directly. It is also shown which app is available and can be selected. The clear and well-structured display plays a decisive role in ensuring that the device can be operated safely while driving.



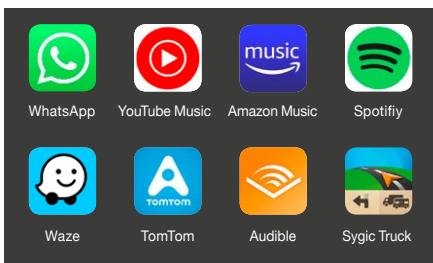
Wireless Apple CarPlay

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 for communication, navigation and entertainment. Almost all CarPlay compatible apps are optimized for Siri voice control and can be operated via it.



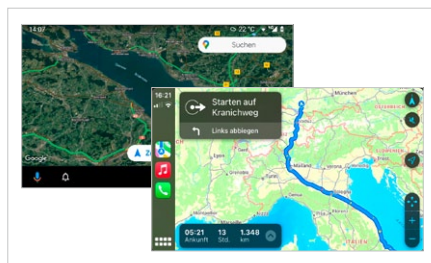
Wireless Android Auto™

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. The intuitive user interface in combination with voice control via the voice assistant ensures that you can focus 100% on the traffic – despite the wide range of functions.



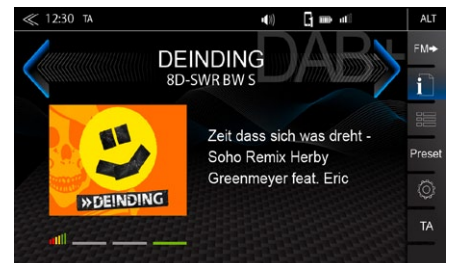
CarPlay & Android Auto™: app variety

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. You also have the choice of using car or motorhome navigation apps from TomTom, Sygic or other providers, which are designed for easy mobile use with reduced control elements.



CarPlay & Android Auto™: nav 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. Important driving and turn-by-turn directions are displayed with large directional arrows. Searching for P.O.I. such as petrol stations, restaurants, cafés, etc. is also very easy.



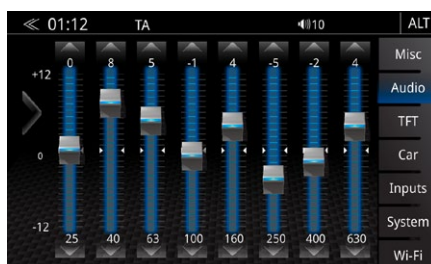
Powerful DAB+ twin tuner

The DAB+ tuner offers various comfort functions such as FM-DAB and DAB-DAB Seamless Blending, MOT slide-show and DLS text and impresses with its stable digital radio reception. The dynamic station list shows all stations receivable in the region for direct selection, including the matching station logo stored in the device's database.



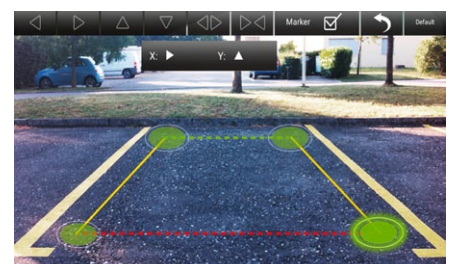
FM RDS twin tuner

A latest-generation automotive FM twin tuner features high sensitivity to ensure interference-free radio reception. A dynamic FM station list is generated by BGS-function allowing direct station selection, while alternative frequency jumps (AF) are completely inaudible. The station logos of official FM radio stations in the European reception area are displayed via the device's internal database.



Extensive sound tuning

The ZENEC Z-N538 offers the option for extensive sound settings: a digital time alignment for 5 channels, a graphic 16-band equalizer with 7 predefined presets as well as active crossovers for front / rear / sub with 12 dB/oct. slope steepness for high- and low-pass filters and selectable crossover frequencies.



Connection of two camera systems

The Z-N538 supports two cameras, which can be controlled directly via the touchscreen. The camera image switches on automatically when reverse gear is engaged. To simplify distance estimation, distance-helper lines can be displayed and adjusted as a camera image overlay via the setup.

KEY FEATURES

- 2-DIN infotainment system with 6.75-inch / 17.1 cm display, DAB+, wireless Apple CarPlay, Android Auto™
- Touch sensitive, capacitive 6.75-inch / 17.1 cm LCD-TFT display (1024 x 600 pixels) with real glass surface
- OSD menu in 10 different EU languages
- DAB+ twin-tuner with dynamic station list, FM-DAB and DAB-DAB Seamless Blending, MOT slideshow and DLS-text
- FM RDS twin tuner radio with 18 preset stations and dynamic station list
- Works with wireless Google Android Auto™
- Works with wireless Apple CarPlay
- Bluetooth 5.0 hands-free module with HFP v1.7 and A2DP music streaming
- Control of two CVBS / AHD*¹ signal camera systems with auto switching for Cam1 and individually adjustable distance-helper lines
- Linux operating system for embedded systems that can be updated via software update*²
- Multicolor RGB LED button illumination
- 4 x 50 W amplifier

BLUETOOTH

- Bluetooth 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 up to 10 contact favorites
- Phonebook contact search function via keypad for first and last name
- A2DP 1.3 music streaming via smartphone with AVRCP 1.6 and iD3-Tag display (artist, title, album)
- External Bluetooth microphone*³

MULTIMEDIA + AUDIO

- DAB+ twin-tuner receiver with 18 station presets and dynamic radio station list
- FM RDS twin tuner receiver with 18 station presets and Background-Scan function with dynamic FM station list for station direct access
- USB-A(1) 2.0 port for Apple CarPlay, Google Android Auto™, A/V media playback*⁴, software updates, 2,000 mA smartphone power charging

- USB-A(2) 2.0 port A/V media playback*⁴, 700 mA smartphone power charging
- microSD card reader for A/V file playback*⁴ from microSD/HD/XC cards with up to 128 GB memory
- 5-CH time alignment via audio DSP (up to 20 mS delay for each channel)
- 16-band graphic equalizer with 7 predefined EQ-presets
- Active crossover for high- and low-pass with 12 dB/oct. slope steepness and selectable crossover frequencies
- HDMI input for compatible accessories and mobile devices
- 24 Bit D/A converter

CONNECTIONS

- 4.2 RCA line pre-out (3 V)
- 2 x RCA input for camera video signal (CVBS / AHD 720p) with switched power supply*¹
- 1 x DIN FM antenna input socket
- 1 x SMB DAB antenna input socket with 12 V phantom power supply
- 1 x USB(1) 2.0 port for Apple iOS and Android devices, A/V file playback*⁴, 2,000 mA charging current
- 1 x USB(2) 2.0 port for A/V file playback*⁴, 700 mA charging current
- 1 x RCA A/V input for 2-CH audio and video (CVBS, PAL/NTSC auto) signal
- 1 x 3.5 mm input jack for external Bluetooth microphone*³
- 1 x Fakra GPS antenna input socket*⁵
- 1 x IR-in for external CAN / SWC interface
- 1 x HDMI port

*¹ Compatible with AHD 720p camera systems (1080p signal is not supported)

*² Software updates are hosted on <http://www.zenec.com/en/support/software-updates/>

*³ External microphone contained in the set

*⁴ Supported A/V file formats: MP3, FLAC, AAC, WMA, AVI, MPEG-1/2, MPEG4, M4V (H.264), MKV 1080p, XviD

*⁵ GPS antenna contained in the set