

FEATURE HIGHLIGHTS

KEY FEATURES

- 2-DIN DAB+ Infotainer
- Touch sensitive, capacitive 6.75"/17.1 cm LCD-TFT display with glass surface
- OSD menu in 10 different EU languages
- DAB+ tuner with DAB<->DAB Service Following, MOT slideshow, DLS-text and Comfort Scan
- FM RDS radio with 18 preset stations
- Google Android Auto™
- Apple CarPlay
- Bluetooth 4.2 with hands-free module and A2DP music streaming
- Input for two camera systems with auto switching function and adjustable grid lines
- RGB multicolor key illumination
- 4 x 50 W amplifier

BLUETOOTH

- Bluetooth 4.2 module with hands-free function
- Import of 1,000 phone book entries with 3 phone numbers each
- Fast dial function for 6 contact favorites
- Contact search function by given and last name
- iD3-Tag display in A2DP mode (artist, title, album)
- External Bluetooth hands-free microphone

MULTIMEDIA + AUDIO

- Made for iPod/iPhone
- USB(2) 2.0 port on device backside for A/V file*1 playback from USB memory device
- microSD card reader slot for A/V file*1 playback from microSD(HC) memory cards

- Time alignment function by audio DSP (5CH with 0 to 10 mS delay each)
- Graphical 8-band equalizer with 7 EQ-presets
- Active crossover with selectable slope steepness (12 dB / 24 dB/oct.) with selectable high- and low-pass filter frequencies
- HDMI input for compatible accessories and mobile devices
- 24 Bit D/A converter

CONNECTIONS

- 4.2 RCA line pre-out (3 V)
- 1 x DIN FM antenna input socket
- 1 x SMB DAB antenna input socket with switchable 12 V phantom power supply
- 2 x RCA A/V input for camera video signal (CVBS) with switched power supply and microphone-input (Cam1)
- 1 x USB(1) 2.0 port with ~2,000 mA charging current for Apple iOS and Android smartphones
- 1 x USB(2) 2.0 port for file playback from USB memory devices
- 1 x RCA video output (CVBS, NTSC)
- 1 x RCA A/V input with NTSC/PAL auto switching (CVBS)
- 1 x HDMI input
- 1 x 3.5 mm jack connector for external Bluetooth microphone
- 1 x Input for connection of an external CAN/SWC interface

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



Z-N528

2-DIN Infotainer

with Apple CarPlay and Google Android Auto™





2-DIN INFOTAINER WITH APPLE CARPLAY AND GOOGLE ANDROID AUTO™



The Z-N528 is a 2-DIN infotainer of the latest generation with a capacitive touch-sensitive 6.75"/17.1 cm display. Via its hard key bar at the front panel, the Z-N528 is perfectly suited for totally straightforward operation while driving.

The Z-N528 provides for an easy and totally safe smartphone use in the car. The USB(1) port on the device lets you dock your phone directly to the infotainer – the Z-N528 is Apple CarPlay and Google Android Auto certified. Making phone calls, use Google or Apple maps to find a destination, play music and send or receive messages is true mobile convenience where the choice is yours: control and operate apps either via device touchscreen or with the Apple Siri or Google's voice assistants. Thanks to the simple, intuitive user interfaces specially designed for in-car use, driver distraction is minimized – thus you can fully concentrate on driving.

The clear digital radio reception of the integrated DAB+ tuner is impressive, while the Z-N528 does score with several tuner comfort functions in addition: MOT Slideshow, DLS text, DAB<->DAB Service Following, and Comfort Scan. The high-sensitivity FM RDS tuner ensures good reception of conventional FM stations in regions where the DAB+ broadcasting network is not established sufficiently well yet.

The Z-N528 supports the playback of the latest audio and video formats of USB memory devices connected via USB 2.0 port. The USB(1) port does charge Apple and Android smartphone batteries with up to 2,000 mA charging current.

The Z-N528 does offer some nice advanced audio setup features. The audio DSP based 5-channel time alignment helps to adjust the virtual speaker locations to yield an improved staging and stereo image. The graphical 8-band equalizer can be used to counteract particularities of the car cabin, or to dial in the sound to suit personal preferences. The active crossover with selectable 12 dB or 24 dB/oct. highpass filter for front and rear speakers allows the perfect integration of high quality aftermarket speaker systems and amplifiers for smooth and detailed music reproduction.

Lastly, the up-to-date Bluetooth 4.2 module with advanced hands-free functions gives you control over the simple management of contact favorites, a swift phonebook contact search using initial letter of given or family name, or convenient A2DP music streaming.

A detailed list of the device specifications and functions can be found at www.zenec.com under 'Specifications'.



Multicolor hard key illumination

The Z-N528 is made to fit vehicles with 2-DIN dash board slots. The device features RGB LED multicolor hard key illumination for closest match with any cockpit interior color scheme of target vehicles.



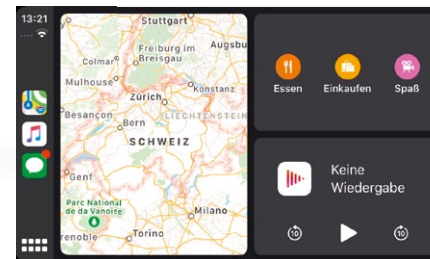
Capacitive TFT LCD display

The capacitive 6.75"/17.1 cm touchscreen with its glass surface provides accurate control of device functions with just a light touch. The display screen offers high brightness, excellent detail and vivid color rendering.



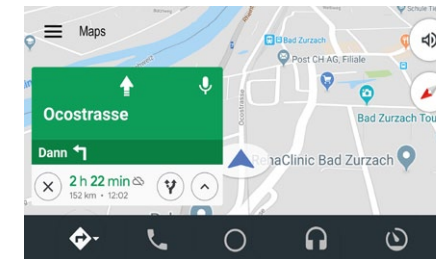
DAB+ digital tuner

The integrated DAB+ tuner offers important comfort features, such as: MOT Slideshow, DAB<->DAB Service Following, DLS text and Comfort Scan, aside of providing a stable and clear reception of digital radio programs.



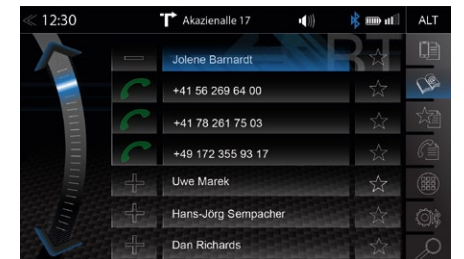
Apple CarPlay

Apple CarPlay is a smarter, safer and more entertaining way to use an iPhone in the car. With CarPlay, you can make phone calls, navigate, listen to music, and access messages with Siri voice control.



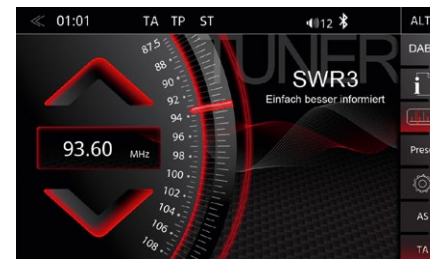
Google Android Auto™

Android Auto was specially developed for the use of Android smartphones in the vehicle. With Android Auto you can use compatible apps and online services – with intuitive control via touchscreen or the OK Google voice assistant.



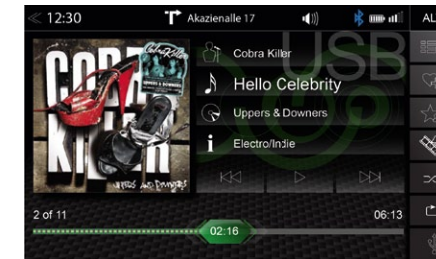
Bluetooth module with A2DP

Comfortable hands-free calling with phonebook search of contact entries by both the family or given names, easy to edit favorites menu, wireless music streaming via A2DP and much more is offered by the BT section.



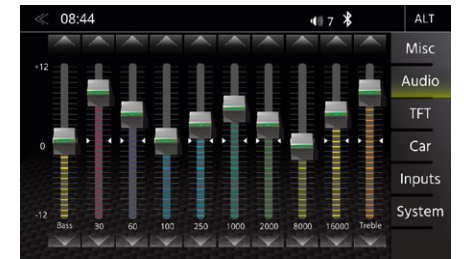
FM tuner with DSP

The Z-N528 features an advanced FM RDS tuner module with audio post processing for improved broadcast quality of weak FM signals by audio DSP noise reduction. 18 FM station presets help to store favorite radio stations.



State of the art A/V file compatibility

The Z-N528 supports playback from all the media files widely used today: MP3, FLAC, AAC, WMA, AVI, MPEG-1/2, MPEG4, M4V (H.264), MKV 1080p, WMV, and Xvid.



Various EQ presets

With the 8-band graphic equalizer you can manually tune the sound exactly to the characteristics of your vehicle, or to your personal preferences. You can also select a pre-defined EQ profile to optimize the sound reproduction.



5-CH time alignment

The Z-N528 features an independently adjustable time alignment function for all 5 channels, to optimize the stereo image and staging. The delay can be adjusted in both cm and ms (in 1 cm / 0.1 ms steps) for each channel independently.



Active crossover setup page

The Z-N528 features an DSP based crossover with 12 dB or 24 dB/oct. filter slopes. While the low-pass signal can be adjusted in the Subwoofer setup menu, there is an x-over setup page for front and rear speaker high-pass filtering with selectable cut-in frequencies: 50/65/80/100/125/160 Hz.



Subwoofer audio setup menu

Active subwoofers or subwoofer amps can be integrated into a system concept by the Subwoofer setup menu. Selectable x-over frequencies, 12 dB or 24 dB/oct. low-pass slope steepness, as well as gain and phase can be adjusted for best bass signal management of connected external subwoofer components.



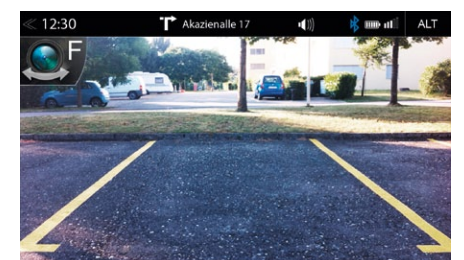
Connection to the SWC

Using stalk/CAN interfaces available separately, the Z-N528 can be connected to practically any SWC. The audio and hands-free basic functions of the steering wheel remote control are normally fully supported.



HDMI input

The HDMI input allows connection of multimedia devices and smartphones with HDMI output to the Z-N528 for A/V playback. In addition, images and audio can be mirrored via an optional WiFi display dongle to the device.



Rear-view camera interface

The Z-N528 allows the connection and control of two camera systems (Cam1/Cam2). Cam1 is switched by reverse gear, Cam2 is manually operated. Cam setup also features microphone audio input and video pic overlay.