

# FEATURE HIGHLIGHTS

## KEY FEATURES

- Vehicle specific DAB+ infotainer with Apple CarPlay and Google Android Auto™
- Touch sensitive, capacitive 9"/22.9 cm LCD-TFT display (1024 x 600 pixels) with real-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 camera system with auto switching function
- Selectable illumination color (white/red) of the device hard keys
- Integration of the multifunctional-steering wheel controls
- MFD+ integration for audio sources, showing iD3-Tags and radio station info
- Optical park radar system (OPS) integration via CAN
- Integration of Dynaudio active systems via CAN
- Integration and display of Climatronic status via CAN
- 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)
- Internal and external Bluetooth hands-free microphone\*<sup>1</sup>

## MULTIMEDIA + AUDIO

- Made for iPod/iPhone
- USB(2) 2.0 port on device backside for A/V file\*<sup>2</sup> playback from USB memory device

- Time alignment function by audio DSP (5CH with 0 to 20 mS delay each)
- Graphical 8-band equalizer with 7 selectable EQ presets
- Active crossover with selectable slope steepness (12 dB/24 dB per 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 Fakra (type B) FM antenna input socket with permanent 12 V phantom supply\*<sup>3</sup>
- 1 x SMB DAB antenna input socket with switchable 12 V phantom power supply\*<sup>4</sup>
- 1 x RCA A/V input for camera video signal (CVBS)
- 1 x USB(1) 2.0 port with ~2000mA charging current for Apple iOS and Android smartphones
- 1 x USB(2) 2.0 port for file playback\*<sup>2</sup> 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

\*<sup>1</sup> External Bluetooth microphone contained in the scope of delivery

\*<sup>2</sup> Examples of supported A/V file formats: MP3, FLAC, AAC, WAV, AVI, MPEG-1/2, MPEG4, M4V (H.264), MKV 1080p, XviD

\*<sup>3</sup> Single-Fakra to Twin-Fakra interface contained in the scope of delivery

\*<sup>4</sup> SMB to Fakra A adapter contained in the scope of delivery



# Z-E2055

## Vehicle-Specific Infotainer

For VW | SEAT | ŠKODA





VEHICLE-SPECIFIC INFOTAINER FOR VW, SEAT AND ŠKODA



Innovative infotainer for VW vehicles – the Z-E2055 is an E-GO of the latest generation. With its vehicle-specific front panel, the Z-E2055 integrates perfectly into all compatible Volkswagen vehicles. Connected to the vehicle electronics via the CAN bus, comfort functions such as **MFD/MFD+** integration, **multifunction steering wheel control** or/and **OPS** and **Climatronic** sensor data display are supported. The E-GO convinces with a **capacitive touch-sensitive 9"/22.9 cm real-glass display**. Via its **hard key bar** at the front panel, the Z-E2055 is perfectly suited for totally straightforward operation while driving. The Z-E2055 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-E2055 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. The clear digital radio reception of the integrated **DAB+ tuner** is impressive, while the Z-E2055 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-E2055 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-E2055 offers 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.

VEHICLE COMPATIBILITY LIST

Model	Type	Model Year	Model	Type	Model Year	Model (Quadlock III)	Type	Model Year
VW Passat	3C/36	2005 – 2014	SEAT Altea XL	5P	2004 – 2014	VW Amarok	2H (1 <sup>st</sup> Facelift)	2017 – 2021
VW Amarok	2H	2010 – 2016	SEAT Toledo	5P	2004 – 2009	VW Jetta VI	(3 <sup>rd</sup> Gen)	2015 – 2018
VW Caddy	2K/2C	2003 – 2013	SEAT Toledo	KG	2012 – 2013	VW Sharan II	7N	2015 – 2016
VW CC	35	2008 – 2014	ŠKODA Octavia II	1Z	2009 – 2013	VW T6	7H/7J (2 <sup>nd</sup> Facelift)	2015 – 2019
VW CC	3C/36	2005 – 2014	ŠKODA Octavia II Station Wagon	1Z	2009 – 2013	VW Tiguan I	5N	2015 – 2016
VW EOS	1F	2006 – 2013	ŠKODA Octavia II Scout	1Z	2009 – 2013	SEAT Alhambra II	7N	as of 2015
VW Golf V	1K	2003 – 2008	ŠKODA Rapid	NH	2013 – 2015	ŠKODA Yeti	5L (1 <sup>st</sup> Facelift)	2015 – 2017
VW Golf V Variant	1K	2007 – 2009	ŠKODA Rapid Spaceback	NH	2013 – 2015			
VW Golf VI	5K	2008 – 2012	ŠKODA Superb II	3T	2008 – 2014			
VW Golf VI Variant	AJ	2009 – 2013	ŠKODA Superb II Station Wagon	3T	2008 – 2014			
VW Golf Convertible	51	2011 – 2013	ŠKODA Yeti	5L	2009 – 2014			
VW Golf Plus	5M/52	2005 – 2013						
VW Jetta VI	16	2005 – 2015						
VW Jetta V / Bora	1K2	2005 – 2010						
			VW Passat Alltrack	36	2012 – 2014			
			VW Passat CC	35	2008 – 2012			
			VW Passat Variant	3C/36	2005 – 2014			
			VW Polo	6R	2010 – 2014			
			VW Scirocco III	13	2008 – 2014			
			VW Sharan	7N	2010 – 2013			
			VW Tiguan	5N	2007 – 2013			
			VW Touran	1T	2003 – 2013			
			VW T5	7E/7J	2010 – 2015			
			SEAT Alhambra	71	2010 – 2013			
			SEAT Altea	5P	2004 – 2014			
			SEAT Altea Freetrack	5P	2007 – 2009			

The Z-E2055 device replaces the following OE device models: VW RNS 310/315/ 510 and RCD 310/315/510. Functionality is based on function-specific CAN data. Webasto pre-heater systems are not supported.



Optimal vehicle integration

The front panel design of the Z-E2055 perfectly suits the cockpits of the target vehicles. The panel design is optimized for maximum screen real estate. To match with vehicle cockpit night illumination color, the hard key illu color can be adjusted to either red or white.



Capacitive 9 inch TFT LCD display

The touch-sensitive, capacitive 9" / 22.9 cm touchscreen features a resilient real-glass surface for precise, intuitive control of all OSD functions. The screen furthermore convinces with its color brilliance and high luminosity and contrast.



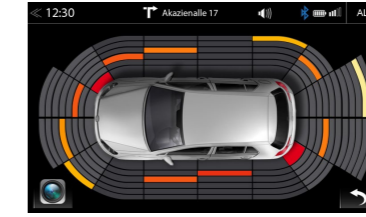
Steering wheel remote control

The E-GO is connected via the vehicle-specific CAN bus interface to the factory installed steering wheel remote control. The audio, voice and telephony functions of the steering wheel remote control are fully supported.



Multifunction Display (MFD)

The Z-E2055 integrates into the target vehicles by interfacing with the VW multifunction display (MFD/MFD+). The MFD shows text information and data from audio sources such as ID3 tags, radio station info and radio text.



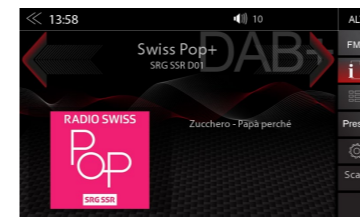
Connection to parking sensors

The CAN data of the OE installed park distance sensors in the vehicle are read by the ZENEC OPS (Optical Parking System). Depending on the vehicle model, the OPS display of the parking radar shows 360° vehicle all-round view or front/rear radar segments.



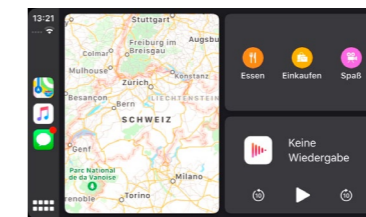
A/C control status info integration

The status info of the A/C control (Climatronic) are read via the vehicle CAN bus. The system offers a personalized display, matched to compatible vehicles. Status info data of the A/C control are shown as pop-up on the ZENEC Z-E2055. This function depends on vehicle model and A/C version.



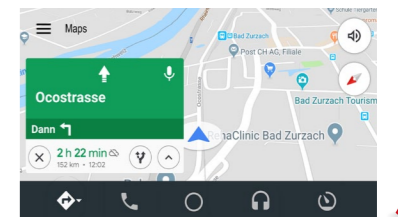
DAB+ digital tuner

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.



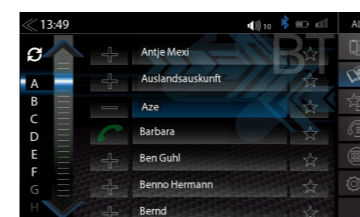
Apple CarPlay

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.



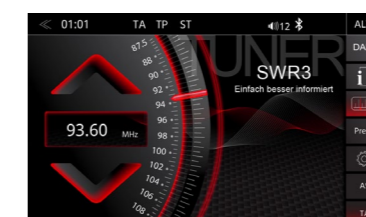
Google Android Auto™

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.



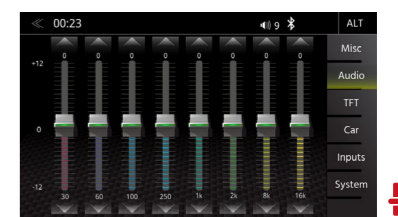
Bluetooth hands-free module

Comfortable hands-free calling with phonebook search, easy to edit favorites menu, and wireless music streaming via A2DP is offered by the Bluetooth section of the Z-E2055.



FM tuner with DSP

The Z-E2055 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.



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-E2055 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-E2055 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.

