

# Clarion's Commitment to Quality is for Everybody

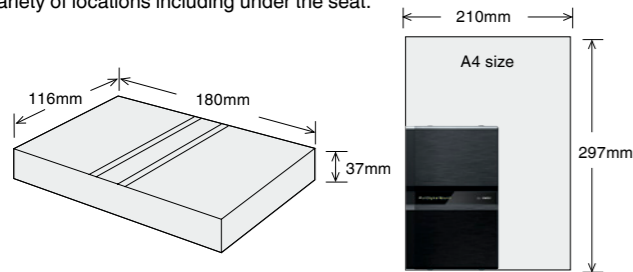


## New Developed 6-Layer Multi-Voice Coil Goes beyond Conventional Conception

The system incorporates Dnote digital signal processing technology and 6-layer multi-voice coil, transmitting multiple digital signals directly to the voice coil to realise a precise cone stroke. By consolidating 6 different vibrational forces, the speaker delivers high-powered high-quality sound.

## Space-Saving Processor

The processor features a slim-profile compact design to enable installation in a variety of locations including under the seat.



### MAIN FEATURES



#### Z3

##### Full Digital Sound Processor

##### Sound Processor

- New Developed LSI
- 32-Bit SHARC® DSP
- USB Port
- Intelligent Tune (Sound Restorer / Virtual Bass / Tone Filter / Reverb Control)

##### Tweeter (Supplied with Z3)

- 2.5cm Pure Soft Dome Tweeter
- Dual Magnet
- Dual Voice Coil
- Surface Mounting / Flush Mounting

##### Commander (Supplied with Z3)

- Large Rotary Volume Control
- 5x7 Dot Display

## High-Resolution Audio Playback Compatible

Just connect a smartphone, and you'll be able to enjoy playing the music files stored on it, including high-resolution audio content, with high-quality (from digital to digital) reproduction.

Full Digital Sound reproduces all the fine nuances and presence of high-resolution audio sources.

## Commander for Control of Volume and Various Functions

Equipped with a large rotary volume control, the commander provides easy and comfortable operation even while driving. The body's black colour and hairline finish contribute to the solid, quality-intensive form.



#### Z7

##### Full Digital Speaker

- New Developed LSI
- Phase Plug
- 17cm ACMI-PP Cone Woofer
- 6-Layer Multi-Voice Coil
- Built-in Full Digital Driver Circuit



#### Z25W

##### Full Digital Subwoofer

- New Developed LSI
- Shallow Type Basket Design
- 25cm GAC-Composite Cone Woofer
- 6-Layer Multi-Voice Coil
- Built-in Full Digital Driver Circuit

Clarion Leads the World in Full Digital Sound

# Full Digital Sound

Z3 / Z7 / Z25W

**Clarion**  
moves you • connects you

www.clarion.com



Full Digital Sound

#### Clarion Europa GmbH

Hessenring 19-21,  
64546 Mörfelden-Walldorf,  
Germany  
Tel.: +49-6105-977-0  
Fax.: +49-6105-977-399

#### Clarion Europe S.A.S.

244 rue du Pré à Varois  
54670 Custines, France  
Tel.: +33 3 83 49 44 00  
Fax.: +33 3 83 24 17 62

#### Clarion (G.B.) Ltd.

Unit 5C, Interface Business Park  
Bincknoll Lane  
Royal Wootton Bassett  
Wiltshire, SN4 8QQ, United Kingdom  
Tel.: +44 (0) 1793 859560  
Fax.: +44 (0) 1793 859598

#### Notes

- Specification and design are subject to change without notice.
- Photos are non-binding.
- Smartphone compatibility may vary by model and operating system.
- SHARC is a registered trademark of Analog Devices, Inc.



\* Trigenice Semiconductor's Dnote technology is used for digital signal processing.  
Dnote is a registered trademark of Trigenice Semiconductor, Inc.



# Revolutionary Full Digital Sound Moves You Like Never Before

## Full Digital Sound

Clarion's full digital system minimizes sound loss to the extreme. This enables unprecedented sound fidelity where the true essence of the sound source is reproduced as-is, and contributes to ear-awakening high-response sound. Attention all music lovers: Brace yourselves for full digital sound that will move you like never before.



Champagne gold trim accentuates the bold design

**Z3**  
Full Digital Sound Processor (Sound Processor / Tweeter / Commander)

**Z7**  
Full Digital Speaker

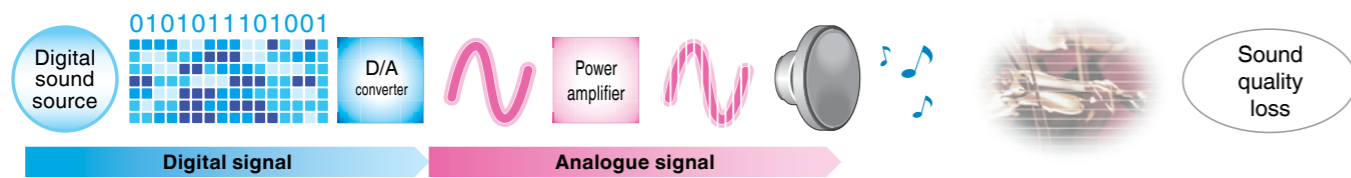
**Z25W**  
Full Digital Subwoofer

## From Source to Speakers, Digital-to-Digital Changes Audio

Full digital signal transfer from a digital source enables direct input of high-resolution audio sources to the speakers without worrying about sound deterioration. High-quality full digital sound is reproduced, with purity that's true to the original. High-efficiency conversion from digital signals into sound makes the system capable of delivering 4 times the high power output of conventional full digital systems\*<sup>1</sup>, while achieving low power consumption that's only about 1/5th that of analogue systems\*<sup>2</sup>.

\*<sup>1</sup> Compared to other Clarion references. (Convention full digital systems were sold Japan market only)  
\*<sup>2</sup> Compared to the driving circuit of a typical factory original audio system.

### Conventional System



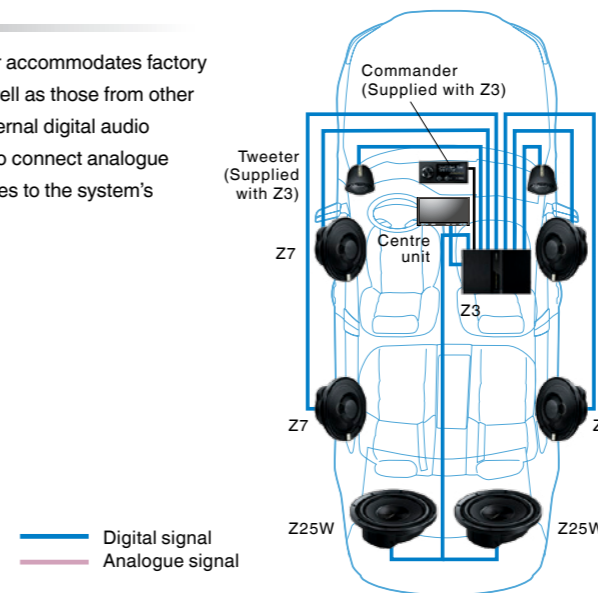
### Full Digital Sound System



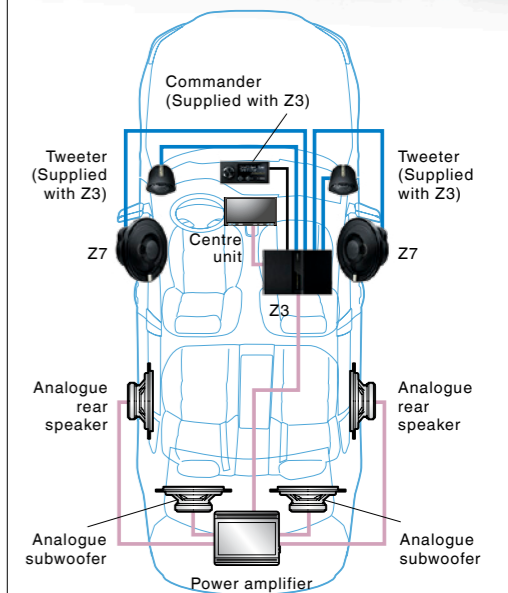
## Digital Sound Processor Delivers Versatility

Digital sound processor accommodates factory original centre unit as well as those from other manufacturers, and external digital audio equipment. The ability to connect analogue speakers also contributes to the system's versatility.

### Example of Full Digital Sound system



### Example of mixed system including analogue system



## World's First<sup>3</sup> Dedicated LSI for Automotive Grade Clarion Originally Developed

Clarion developed the first dedicated LSI for automotive grade that efficiently converts digital signals into sound, helping to achieve higher quality playback of full digital sound, while ensuring efficient energy consumption.

\*<sup>3</sup> As of September 2015 (Clarion research).



## Intuitive Tuning Using Your Smartphone or Tablet

By installing an application on your smartphone or tablet, you can enjoy high-precision sound tuning like Crossover, Time Alignment and Equaliser and more with an intuitive touch operation. Fine tuning of each parameter can be done with a few simple steps.

