clarion

2017— 2018

Tuner HDMI Apple CarPlay Navigation

10:30
29 - Jul - 2017

Rear

Works with
Apple CarPlay

Full Digital Sound

MARINE SYSTEMS

Vision and foresight at the core of every product

Clarion was founded in 1940, and ever since developing Japan's first car radio in 1951 has continued to actively develop breakthrough technologies and launch innovative products. Clarion's trusted technologies are incorporated by leading car manufacturers all over the world, under our brand name or otherwise, and are playing a key role in enhancing the relationship between people and their vehicles.

Clarion's original research and development expertise has been the driving force providing not only entertainment, but also a safer and more secure driving environment for many generations. And by accommodating the convergence of cars and networks, people's cars are rapidly becoming one of the most fulfilling places to experience high-quality digital content and access a wealth of information.

Corporate Commitment

To improve society by seeking to develop the relationship between sound, information, and human interaction, and by creating products that meet those needs.

Corporate Vision

The connection between sound and information communication in the mobile environment of the car will evolve into new domains based on our unique ideas and advanced technologies. Through this, we will provide safety, security, comfort and excitement to our customers all over the world. We at Clarion will remain at the forefront of the industry, as we accurately identify the needs of the market and realize long-term growth.

Bright future through brilliant technologies

The world's first Full Digital Sound

Clarion was the first manufacturer to develop and market the full digital speaker, which balances premium sound with eco friendliness. Through a collaboration of Dnote digital signal processing technology and Clarion's own in-car acoustic technologies, the full digital sound system successfully achieved a totally digital-to-digital signal transfer from the digital source all the way to the speaker.

Advanced image recognition and processing for a safer drive

Clarion is actively involved in Intelligent Safety, which utilises image recognition and image processing technologies to support users in driving and parking. Development includes an all-round-view camera that visually displays information on the vehicle's immediate surroundings.

Apple CarPlay™ compatible for an advanced driving experience

Apple CarPlay is the smarter, safer way to use iPhone in your car. Apple CarPlay seamlessly integrates your iPhone® with NX807. Now you can make phone calls, access your music, send and receive messages, get directions, and more while you stay focused on the road.

Enjoy long drives with family and friends

Clarion offers a line-up of car navigation systems geared especially for camping vehicles — they even remove routes that are legally inaccessible to camping vehicles automatically, and display camping facility information, including pictures. The latest advances, such as Apple CarPlay, are supported. Use voice commands, such as search, and enjoy music stored on your smartphone or USB device. Make the most of your long-haul excursions with family and friends.

Full Digital Sound

Intelligent Safety

Works with Apple CarPlay
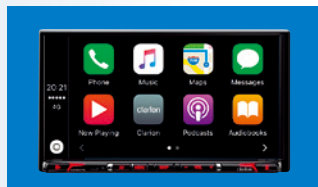
Clarion Leads the World in Full Digital Sound

Full Digital Sound

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

Z7
Full Digital Speaker

Z25W
Full Digital Subwoofer

EISA AWARD
Best Product 2016-2017
IN-CAR INNOVATION
Clarion Full Digital Sound

A bold design with solid metal components positioned on the black body

Champagne gold trims further accentuate the bold design

Full Digital Sound

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 loss. 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 Sound Systems[1], while achieving low power consumption that's only about 1/5th that of analogue systems[2].

[1] Compared to other Clarion references.
(Conventional Full Digital Sound Systems were only sold in the Japanese market)
[2] Compared to the driving circuit of a typical factory original audio system.

Conventional System

0101011101001

Digital sound source

D / A converter

Power amplifier

Digital signal | Analogue signal

Sound quality loss

Full Digital Sound System

Dedicated LSI for automotive grade

0101011101001

Digital sound source

0101011101001

Digital signal

Minimal quality loss

Dnote

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

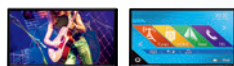### Digital sound processor delivers versatility

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.

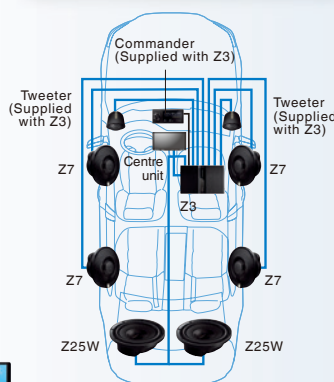### Optical digital output for assured Clarion connectivity

If the centre unit is a Clarion car navigation system (Digital output compatible), it's easy to create a full total digital system and enjoy leading-edge digital sound.
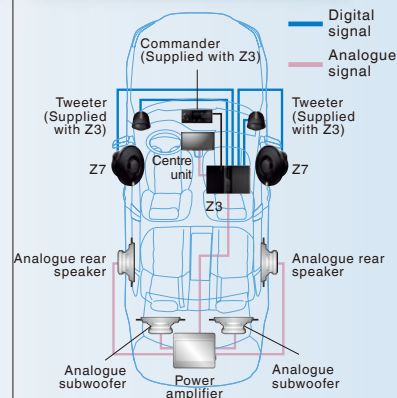
NX807E, NX807E C, NX706E, NX706E C
* Check the Clarion website for connectable models.
http://www.clarion.com/xe/en/products-personal/multimedia/

Example of Full Digital Sound system

Commander (Supplied with Z3)
Tweeter (Supplied with Z3)
Tweeter (Supplied with Z3)
Z7
Centre unit
Z7
Z3
Z7
Z7
Z25W
Z25W

Example of mixed system including analogue system

Commander (Supplied with Z3)
Tweeter (Supplied with Z3)
Tweeter (Supplied with Z3)
Z7
Centre unit
Z7
Z3
Analogue rear speaker
Analogue rear speaker
Analogue subwoofer
Power amplifier
Analogue subwoofer

Digital signal
Analogue signal

### World's first[3] dedicated LSI for automotive grade – originally developed by Clarion

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.

[3] As of September 2015 (Clarion research)

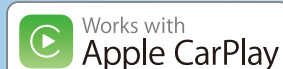### Intuitive tuning using your smartphone or tablet

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.

Swipe & double tap enabled
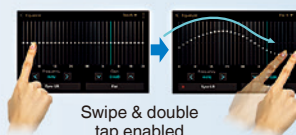
Drive your driving environment

NX807E

2-DIN DVD multimedia station with built-in navigation & 17.8 cm (7-inch) touch panel control

NX807E

EISA AWARD
Best Product
2016-2017
IN-CAR INNOVATION
Clarion Full Digital Sound

DVD VIDEO · COMPACT DISC DIGITAL AUDIO TEXT

Works with Apple CarPlay

Made for iPod iPhone · Bluetooth® · DOLBY AUDIO™ · HDMI® HIGH-DEFINITION MULTIMEDIA INTERFACE · Full Digital Sound READY · Latest Map Guarantee

2 ZONE Entertainment · Built-in navigation · GYRO sensor · PULSE sensor · Dual Rear USB · 728 color Selective Key · DAB Ready

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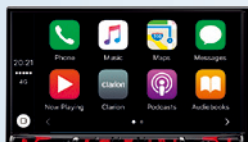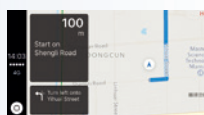### Apple CarPlay™ compatible for an advanced driving experience

Enjoy safer operation of your iPhone® features in your car — make calls, listen to music, or even send and receive messages, get directions, and more while you stay focused on the road.

Phone   Maps

■ Maps
The power and simplicity of Apple Maps is now available on your dashboard. Apple CarPlay can predict where you most likely want to go using addresses. Maps will even estimate how long it will take.

■ Phone
Apple CarPlay works with Siri so you can access contacts and make calls, redial, and listen to stored messages by voice activation.

■ Music
Siri lets you play music from your iPhone just by saying the tune, artist name or genre. It supports Apple Music® so you can get the latest tunes.

■ Apps
Apple CarPlay works with your iPhone apps, so your enjoyment is limitless including Music, Audiobooks, Podcasts, and beyond.

Gyro sensor and vehicle speed pulse sensor for high-precision car navigation

The internal gyro sensor enables the vehicle's location to be followed even in long tunnels where GPS reception is poor. The vehicle speed pulse sensor provides higher-accuracy car navigation.

GYRO sensor · PULSE sensor

Line-up of DAB-ready models to meet your needs

Clarion offers a selection of DAB-ready source units which allow easy, direct connection of the DAB404E receiver.
*Compatible with NX405E, NX405E C, NX706E, NX706E C, NX807E, NX807E C, VX404E

DAB Ready

DAB404E

clarion

Rediscover the great outdoors via GPS navigation with camping facility information and anywhere entertainment

NX807E C

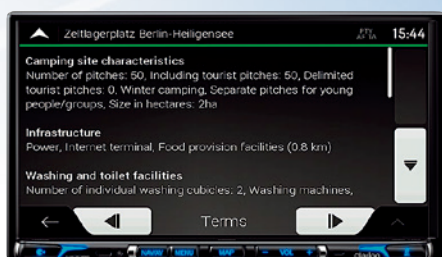**2-DIN DVD multimedia station with built-in navigation for camping vehicle & 17.8 cm (7-inch) touch panel control**

DVD VIDEO | COMPACT DISC DIGITAL AUDIO TEXT

Works with **Apple CarPlay**

Made for **iPod** **iPhone** | **Bluetooth®** | **DOLBY AUDIO™** | **HDMI®** HIGH-DEFINITION MULTIMEDIA INTERFACE

NX807E C

EISA AWARD | **Best Product 2016-2017** IN-CAR INNOVATION Clarion Full Digital Sound

Full Digital Sound READY | Latest Map Guarantee | 2 ZONE Entertainment | Built-in navigation | GYRO sensor | PULSE sensor | Dual Rear USB | 728 color Key | DAB Ready

(Optional RCX006)

NX706E C

2-DIN DVD multimedia station with built-in navigation for camping vehicle & 17.8 cm (7-inch) touch panel control

DVD VIDEO | COMPACT DISC DIGITAL AUDIO TEXT | Made for **iPod** **iPhone** | Siri® Eyes Free

Bluetooth® | **DOLBY AUDIO™** | **HDMI®** HIGH-DEFINITION MULTIMEDIA INTERFACE

Full Digital Sound READY | Latest Map Guarantee

2 ZONE Entertainment | Built-in navigation | Dual Rear USB

728 color Key | DAB Ready

EISA AWARD | **Best Product 2016-2017** IN-CAR INNOVATION Clarion Full Digital Sound

NX706E C

(Optional RCX006)

NX405E C

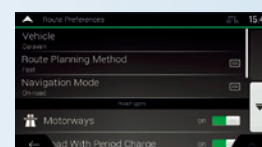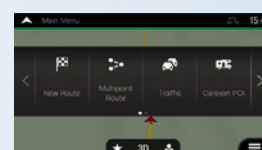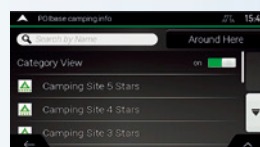**2-DIN DVD multimedia station with built-in navigation for camping vehicle & 15 cm (6-inch) high-resolution display**

DVD VIDEO | COMPACT DISC DIGITAL AUDIO TEXT | Made for **iPod** **iPhone** | **Bluetooth®**

Parrot move wireless | **HDMI®** HIGH-DEFINITION MULTIMEDIA INTERFACE | Latest Map Guarantee

2 ZONE Entertainment | Built-in navigation | Dual Rear USB | 728 color Key | DAB Ready

NX405E C

POICON NAVIGATION CONTENT | camping.info dieser Campingführer lebt!

Navigation optimised for camping vehicles (NX405E C, NX706E C, NX807E C)

The GPS navigation system of the NX405E C, NX706E C, NX807E C incorporates map data that has been optimised for driving camping vehicles and caravans. It can search for and display routes that avoid areas that are restricted due to the size and weight of your vehicle. In addition, information about camping areas and sanitation facilities are included to make your trip as comfortable as possible, with the optimum route available.
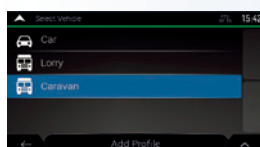
Expand your world, right from your car

NX706E

2-DIN DVD multimedia station with built-in navigation & 17.8 cm (7-inch) touch panel control

EISA AWARD **Best Product 2016-2017** IN-CAR INNOVATION Clarion Full Digital Sound

NX706E

(Optional RCX006)

DVD VIDEO · COMPACT DISC DIGITAL AUDIO TEXT · Made for iPod iPhone · Siri® Eyes Free · Bluetooth®

DOLBY AUDIO · HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE · Full Digital Sound READY · Latest Map Guarantee · 2 ZONE Entertainment · Built-in navigation · Dual Rear USB · 728 color Key · DAB Ready

Optical digital output for system upgradability (NX706E, NX706E C, NX807E, NX807E C)

Full Digital Sound READY

EISA AWARD **Best Product 2016-2017** IN-CAR INNOVATION Clarion Full Digital Sound

Thanks to the optical digital output, an optical cable can be used to connect to external units such as Clarion's exclusive Full Digital Sound system or DSP devices to upgrade your system to digital. Connecting the source unit to the Full Digital Sound system enables you to enjoy cutting-edge high-quality full digital end-to-end sound.

(Optional RCB198)

(Optional RCX006)

NX505E

2-DIN DVD multimedia station with built-in navigation / Smart Access

NX505E

Intelligent VOICE · Smart Access

DVD VIDEO · DOLBY DIGITAL · DIVX · COMPACT DISC DIGITAL AUDIO TEXT · microSDHC

Intelligent Tune · Made for iPod iPhone · Bluetooth®

DAB+ Digital Audio Broadcasting · HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE · Latest Map Guarantee

Built-in navigation · Rear USB · 728 color Key

NX405E

2-DIN DVD multimedia station with built-in navigation & 15.2 cm (6-inch) touch panel control

NX405E

DVD VIDEO · COMPACT DISC DIGITAL AUDIO TEXT · Made for iPod iPhone

Bluetooth® · Parrot move wireless · HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE · Latest Map Guarantee

2 ZONE Entertainment · Built-in navigation · Dual Rear USB · 728 color Key · DAB Ready

Built-in DAB (Digital Audio Broadcasting)

DAB+ Digital Audio Broadcasting

DAB broadcasts radio programmes via a digital signal usually assigned to the FM frequency range and offers CD-quality audio. Compared to analogue, DAB's digital signals offer a purer signal with reduced fading and are less affected by weather and interference.
*Optional ZCP133 DAB antenna (sold separately) is required.

Line-up of DAB-ready models to meet your needs

DAB Ready

Clarion offers a selection of DAB-ready source units which allow easy, direct connection of the DAB404E receiver.

*Compatible with NX405E, NX405E C, NX706E, NX706E C, NX807E, NX807E C, VX404E

DAB404E

NZ502E

DVD multimedia station with built-in navigation & 17.8cm (7-inch) high-resolution display

NZ502E

A full all-in-one multimedia system in a 1DIN unit

Easy navigation map updates

DVD VIDEO | COMPACT DISC DIGITAL AUDIO TEXT | DIVX®

Made for
iPod iPhone

Bluetooth® | Parrot move wireless

Latest Map Guarantee

2 ZONE Entertainment | Built-in navigation | Rear USB

Link your digital audio / video world to your car

VX407E

2-DIN DVD multimedia station with built-in DAB+ tuner and 15.7 cm (6.2-inch) touch panel control

(Optional RCX008)

VX407E

DVD VIDEO | COMPACT DISC DIGITAL AUDIO TEXT | Made for iPod iPhone | Bluetooth® | DAB+ Digital Audio Broadcasting

Rear USB   *Optional ZCP133 DAB antenna (sold separately) is required.

VX404E

(Optional RCX006)

2-DIN DVD multimedia station with 15.7 cm (6.2-inch) touch panel control

VX404E

DVD VIDEO | COMPACT DISC DIGITAL AUDIO TEXT | DIVX® | Made for iPod iPhone

Bluetooth® | microSDHC™ | HDMI® HIGH-DEFINITION MULTIMEDIA INTERFACE

2 ZONE Entertainment | Rear USB | 728 color Key | DAB Ready

DAB (Digital Audio Broadcasting) for a superior listening experience

DAB404E

DAB receiver
for NX405E, NX405E C, NX706E, NX706E C, NX807E, NX807E C, VX404E

Features
- DAB, DAB+
- Band-III, L-band
- Ensemble / service seek, PTY
- Ensemble / service label, Dynamic label supported
- Service link (ON / OFF)
- Antenna included

DAB404E | DAB+ Digital Audio Broadcasting

● Accessories for navigation & multimedia

RCB198 Optional remote control for NX505E	**CCA802** HDMI™ cable (type A to type A) NX405E, NX405E C, NX505E, NX706E, NX706E C, NX807E, NX807E C	**CCA755** USB extension cable (1.0 m) for CZ215E, CZ315E, CZ505E
RCX008 Optional remote control for VX407E		**CCA750** iPod® and iPhone® VIDEO connecting cable for NX405E, NX405E C, NX505E, NZ502E, VX404E
RCX002 Optional remote control for CZ505E	**CCA770** HDMI cable (type A to type A) for NX505E	
RCX006 Remote control for NX405E, NX405E C, NX706E, NX706E C, NX807E, NX807E C		**CCA772** Front VTR cable for NX505E
RCB176 Optional infrared remote control for CZ315E, CZ215E	**CCA771** HDMI cable (type A to type D) for NX405E, NX405E C, NX505E, NX706E, NX706E C, NX807E, NX807E C, VX404E	**CCA644P** Rear camera input cable for NX505E
RCB204 Optional external microphone		**ZCP133** DAB antenna for NX505E

Multi-connectivity including DAB to vividly highlight your drive

CZ505E

1-DIN DAB / CD / USB / MP3 / WMA / Bluetooth® receiver

DAB+
Digital Audio Broadcasting

* DAB antenna included.

(Optional RCX002)

COMPACT DISC DIGITAL AUDIO

Made for iPod iPhone

Bluetooth®

MP3/WMA   Front USB

CZ505E

Built-in DAB+ tuner (antenna included)

DAB+
Digital Audio Broadcasting

CZ505E has a built-in DAB tuner that is compatible with both DAB and DAB+ radio broadcasts. Technically these two use different encoding (MP2 for DAB and aacPlus for DAB+) but either way the digital broadcast signal offers

CD-quality audio with more purity and reduced noise compared to analogue. The latest functions, such as service listing in alphabetical order, are supported.

* DAB antenna included.

Smartly designed to integrate your entertainment and communications

(Optional RCB176)

CZ315E

CD / USB / MP3 / WMA / Bluetooth receiver

COMPACT DISC DIGITAL AUDIO TEXT

Made for iPod iPhone

Bluetooth®   Intelligent Tune

MP3/WMA   Front USB

CZ315E

CZ215E

CD / USB / MP3 / WMA receiver

(Optional RCB176)

COMPACT DISC DIGITAL AUDIO TEXT

Made for iPod iPhone

Intelligent Tune   MP3/WMA   Front USB

CZ215E

Intelligent Tune

Dynamic Beat Enhancer
Enhancement of the dynamics and beat in the music by dynamic range expansion.

Sound Restorer
Restores compressed audio media such as MP3 or WMA enabling a more enriched reproduction sound quality.

Virtual Bass
Virtual Bass is a technology based on psychoacoustics, in which harmonic elements of low bass sound are added to the signal to reinforce the low range the speaker cannot physically reproduce.

Cutting edge design made mechanism-free

FZ502E

USB / MP3 / WMA / Bluetooth receiver

Made for iPod iPhone

Bluetooth®   Parrot move wireless

MP3/WMA   7way Rotary Vol.   Front USB

FZ502E

Solid basic performance that looks so powerful

FZ102E

USB / MP3 / WMA receiver

MP3/WMA   Front USB

100 mm

Shallow mounting depth

FZ102E

MULTIMEDIA SERIES COMPARISON

		NX807E / NX807E C	NX706E / NX706E C	NX505E	NZ502E	NX405E / NX405E C	VX404E	VX407E
DISC MEDIA	Smart Access	—	—	●*1	—	—	—	—
	DIVX	—	—	Disc	Disc	—	Disc	—
	DVD VIDEO	●	●	●	●	●	●	●
	CD TEXT	●	●	●	●	●	●	●
	DOLBY AUDIO	●	●	●	●	●	●	—
FILE MEDIA	MP3/WMA	MP3 / WMA / AAC	MP3 / WMA / AAC	●	●	MP3 / WMA / AAC	MP3 / WMA / AAC	MP3 / WMA / AAC
	MPEG4	●	●	—	●	●	●	●
BROADCAST MEDIA	DAB+	—	—	●	—	—	—	●
	FM/MW	18 FM, 6 MW	18 FM, 6 MW	18 FM, 6 MW	18 FM, 6 MW	18 FM, 6 MW	18 FM, 6 MW	18 FM, 6 MW
CONNECTION	Bluetooth	●*1	●*1	●*1	●*1	●*1	●*1	●*1
	Parrot	—	—	—	●	●	—	—
	Apple CarPlay	●	—	—	—	—	—	—
	iPod iPhone	●*1	●*1	●*1	●*1	●*1	●*1	●*1
	Siri® Eyes Free	—	●	—	—	—	—	—
	HDMI	CCA802 / CCA771 *1	CCA802 / CCA771 *1	CCA770 / CCA771 *1	—	CCA802 / CCA771 *1	CCA802 / CCA771 *1	—
	Full Digital Sound READY	●	●	—	—	—	—	—
	Rear USB	● Dual	● Dual	●	●	● Dual	●	●
	Rear entertainment ZONE	●*2	●*2	—	●*2	●*2	●*2	—
	4V/6ch output	2 V / 6 ch	2 V / 6 ch	4 V / 6 ch	4 V / 6 ch	2 V / 6 ch	2 V / 6 ch	2 V / 4 ch
	Rear Vision Camera	●*4	●*4	●*3	●*4	●*4	●*4	●*4
	AUX input	Rear	Rear	Front / rear	Front / rear	Front / rear	Front / rear	Front / rear
	DVB-T Ready	Optional DVB-T tuner	Optional DVB-T tuner	—	Optional DVB-T tuner	Optional DVB-T tuner	Optional DVB-T tuner	—
	DAB Ready	Optional DAB404E	Optional DAB404E	Built-in *6	—	Optional DAB404E	Optional DAB404E	Built-in *6
NAVI	Built-in navigation	●*7	●*7	●*7	●*7	●*7	—	—
	GYRO sensor PULSE sensor	●	—	—	—	—	—	—
	TMC	●	●	●	●	●	—	—
AUDIO	Intelligent Tune	—	—	●	—	—	—	—
	M-BASS EX	●	●	—	●	●	●	—
	24 bit	●	●	●	●	—	●	—
	BeatEQ Plus	—	—	—	BeatEQ	BeatEQ	BeatEQ	—
	G-EQ	15-band	15-band	—	—	—	—	8-band GEQ
	LPF/HPF	●	●	●	●	●	●	●
GENERAL	MOS-FET 50W×4 / 50W×4	50 W × 4	50 W × 4	50 W × 4	MOS-FET 50 W × 4	MOS-FET 45 W × 4	MOS-FET 45 W × 4	40 W × 4
	728color Key	●	●	●	—	●	●	—
	MULTI TOUCH	—	—	●	—	—	—	—
	TOUCH PANEL	●	●	●	●	●	●	●
	OEM Remote ready	●	●	●	●	●	●	●

*1 Please see our website for details of compatible iPod® and iPhone®, smartphone models and Bluetooth models. http://www.clarion.com/xe/en/user-support/connection/
*2 Front and rear seat entertainment
*3 Rear vision camera and CCA644 are sold separately *4 Rear vision camera is sold separately
*5 Supporting MPEG2, MPEG4. HD TV: resolution limited to 720p *6 DAB+ compatibility
*7 8 GB (16 GB for NX807E, NX807E C) microSD card stores entire navigation application and map coverage for 46 countries

SOURCE UNITS SERIES COMPARISON

		CZ505E	CZ315E	CZ215E	FZ502E	FZ102E
MEDIA	CD DIGITAL AUDIO	—	●	●	—	—
	CD COMPACT DISC	●	●	●	—	—
	MP3/WMA	●	●	●	●	●
	DAB+	●	—	—	—	—
	FM/MW/LW	18 FM, 6 MW, 6 LW	18 FM, 6 MW, 6 LW	18 FM, 6 MW, 6 LW	18 FM, 6 MW, 6 LW	18 FM, 6 MW, 6 LW
CONNECTION	Bluetooth	●*1	●*1	—	Parrot *1	
	iPod iPhone	●	●	●	CCA748 *1	—
	USB	Front	Front	Front	Front	Front
	2V/4ch output	●*2	●*2	●*2	●*2	—
	2V/2ch output	—	—	—	—	●
	FRONT AUX input	●	●	●	●	●
AUDIO	Intelligent Tune	—	●	●	—	—
	Subwoofer level control	●	●	●	●	●
	M-BASS EX	●	Loudness	Loudness	●*3	—
	G-EQ	—	7-band	7-band	—	—
	BeatEQ	—	—	—	●*4	—
	LPF/HPF	●	●	—	●	—
	LPF	—	—	●	—	●
GENERAL	High Visibility LCD	●*5	●*6	●*6	●*5	●*6
	Integral Rotary Volume	●	●	●	●	●
	MOS-FET 50W×4	—	—	—	●	—
	50W×4	—	●	●	—	—
	45W×4	●	—	—	—	—
	20W×4	—	—	—	—	●
	OEM	●	●	●	●	●
	DCP	●	●	●	—	—

*1 Please see our website for details of compatible iPod and iPhone and Bluetooth models. http://www.clarion.com/xe/en/user-support/connection/
*2 Front 2-channel + Rear 2-channel or subwoofer *3 Boost ultra-low frequency *4 Bass boost, Impact, Excite, Custom *5 13 × 10 2-line *6 13 × 10 single-line *7 13 × 8 single-line

MARINE AUDIO SYSTEMS COMPARISON

		CMS4	GR10BT	CMV1	CMD8	M303	M109	CMS5	CMS2
MEDIA	DIVX	—	—	●	—	—	—	—	—
	DVD VIDEO	—	—	●	—	—	—	—	—
	CD	—	—	●	—	—	—	—	—
	CD DIGITAL AUDIO	—	—	—	●	●	●	—	—
	MP3/WMA/AAC	—	—	—	—	—	—	—	—
	MP3/WMA	●	●	—	●	●	●	●	●
	DOLBY DIGITAL	—	—	●	—	—	—	—	—
CONNECTION	Bluetooth	●*1 (aptX)	●*1	—	—	●*1	—	●*1	—
	Parrot	—	—	—	—	●	—	—	—
	iPod	—	—	●*1	—	—	—	—	—
	iPod iPhone	●	●	—	●*1	●*1	—	●*1	●*1
	USB	●	●	Rear	Rear	Rear	—	Dual	Pigtail
	4V/6ch output	—	—	—	—	—	—	—	—
	3.5V/8ch output	●	—	—	—	—	—	—	—
	2V/6ch output	—	—	●	—	—	—	—	●
	2V/4ch output	—	●	—	●*2	●*2	●*2	—	—
	AUX input	1 Audio (Rear)	1 Audio (Rear)	2 AV (Rear)	1 Audio (Rear)	1 Audio (Rear)	1 Audio (Front)	Dual	Pigtail
	RCA Video Input	—	—	●	—	—	—	—	—
	Fixed Audio pre-out	—	—	2-channel	—	—	—	2-channel	—
	ZONE	4 zone	—	—	—	—	—	Marine dual zone	—
AUDIO	BBE MP	—	—	●	—	—	—	—	—
	24 bit	—	—	●	●	—	—	—	—
	G-EQ	15-band	3-band	—	—	—	—	—	—
GENERAL	High Visibility LCD	—	●*3	—	●*4	●*4	●*5	—	—
	FLIP DOWN	—	—	●	—	—	—	—	—
	70W×4	●	—	—	—	—	—	—	—
	50W×4	—	—	●	—	—	—	—	—
	48W×4	—	—	—	—	●	—	—	—
	45W×4	—	—	—	—	—	●	—	—
	TFT Color LCD Monitor	3.5-inch	—	3.5-inch	—	—	—	4.3-inch	—
	Wired Remote Ready	MW1/2/4	—	MW1/2/4 MF1	MW1/2/4 MF1	MW1/2/4 MF1	MW1/2/4 MF1	MW1/2/4 MF1	MW1/2/4 MF1

*1 Please see our website for details of compatible iPod and iPhone and Bluetooth models. http://www.clarion.com/xe/en/user-support/connection/
*2 Front 2-channel + Rear 2-channel or subwoofer *3 3-line *4 13 × 10 2-line *5 13 × 8 single-line

Upgrade your sound with polished compact design and unwavering power

XC1410

300 W micro size 4-channel power amplifier

210 mm

XC1410

Features
- 300 watts of maximum power output
- 75 watts x 4 channel @ 2-ohms
- 50 watts x 4 channel @ 4-ohms
- Selectable sensitivity Low / High
- Class D power supply and output stages
- Power MOS-FET switching transistors
- Soft turn-on and turn-off circuitry
- Ground loop isolation circuit

Circuit design achieves high-quality sound.

Circuit design achieves high-quality sound Clarion amplifiers feature uncompromising resistance to magnetic noise, thereby minimising distortion. The result is high-quality sound you can enjoy in a variety of systems.

MOS-FET power amp

There's only one way for Clarion's main units to deliver unyielding power output and linearity: MOS-FET amplification, or metal oxide semiconductor field effect transistor amplification. Smaller and more efficient than conventional power supplies, a MOS-FET amplification circuit delivers power with less distortion and zero on / off switching noise. This means you can crank up the volume or set it to easy listening. Either way, your sound will be crystal clear.

Advanced technologies in micro size

XC1410, despite its compact dimensions, is a superb D-class 4-channel amplifier realising astounding sound output.

2-ohm stability

Utilizing this design for peak performance and unwavering reliability, Clarion's amplifiers can drive lower impedance loads for increased power.

More gravity for the bass line

WG SERIES

ø307 ø275,8

148,2
162

/mm
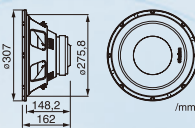
WG3020

30 cm (12″) single 4-ohm voice coil subwoofer

MAX Input 1000W

WG3020

ø259 ø232

150
136,5

/mm
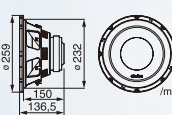
WG2520

25 cm (10″) single 4-ohm voice coil subwoofer

MAX Input 1000W

WG2520

WF SERIES

ø 260

89,5
93,5

/mm
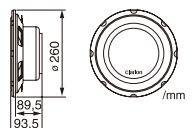
WF2520

25 cm (10″) single 4-ohm voice coil shallow-mount subwoofer

MAX Input 1000W

WF2520

UB2520X

25 cm (10″) passive subwoofer with ultra slim sealed box

MAX Input 1000W

UB2520X

SB3020X

30 cm (12″) passive subwoofer with sealed box

MAX Input 1000W

SB3020X

clarion

Technology resonating with savvy

Amplifier /
Subwoofers /
Speakers
Line-up

SH SERIES

● Component system

400 W Max.
SH1724S
16.5 cm (6-1 / 2″) 2-way
component system

● Multiaxial 3-way

400 W Max.
SH1734R
16.5 cm (6-1 / 2″)
multiaxial 3-way

● Multiaxial 3-way

350 W Max.
SH1334R
13 cm (5-1 / 4″)
multiaxial 3-way

600 W Max.
SH6934R
15 cm × 23 cm (6″ × 9″)
multiaxial 3-way

PLATINUM SERIES

350 W Max.
SRP1723S
16.5 cm (6-1 / 2″) 2-way
component system

300 W Max.
SRP1323S
13 cm (5-1 / 4″) 2-way
component system

SRG SERIES

● Component system

350 W Max.
SRG1723S
16.5 cm (6-1 / 2″) 2-way
component system

300 W Max.
SRG1323S
13 cm (5-1 / 4″) 2-way
component system

● Coaxial 2-way

280 W Max.
SRG1723R
16.5 cm (6-1 / 2″)
coaxial 2-way

230 W Max.
SRG1323R
13 cm (5-1 / 4″)
coaxial 2-way

200 W Max.
SRG1023R
10 cm (4″)
coaxial 2-way

200 W Max.
SRG4623C
10 cm × 15 cm (4″ × 6″)
custom-fit coaxial 2-way

● Multiaxial 3-way

300 W Max.
SRG1733R
16.5 cm (6-1 / 2″)
multiaxial 3-way

450 W Max.
SRG6933R
15 cm × 23 cm (6″ × 9″)
multiaxial 3-way

250 W Max.
SRG1333R
13 cm (5-1 / 4″)
multiaxial 3-way

210 W Max.
SRG1033R
10 cm (4″)
multiaxial 3-way

250 W Max.
SRG5733C
13 cm × 18 cm (5″ × 7″)
custom-fit multiaxial 3-way

● Balanced-Drive Tweeter

200 W Max.
SRG213H
2.5 cm (1″)
balanced-drive
tweeter

● Multiaxial 4-way

550 W Max.
SRG6943R
15 cm × 23 cm (6″ × 9″)
multiaxial 4-way

● Multiaxial 5-way

600 W Max.
SRG6953R
15 cm × 23 cm (6″ × 9″)
multiaxial 5-way

● Dual Cone

260 W Max.
SRG1713R
16.5 cm (6-1 / 2″)
dual-cone

210 W Max.
SRG1313R
13 cm (5-1 / 4″)
dual-cone

190 W Max.
SRG1013R
10 cm (4″)
dual-cone

Made for safer driving
Safety cameras and monitor systems

Cameras

COMMERCIAL VEHICLE REAR CAMERA

Durable design, low distortion, low ghosting front guard shutter included (CC6500E only)

CC6500E

**CMOS colour camera
(with shutter)
(wide-angle / mirror image)**

CC6600E

**CMOS colour camera
(without shutter)
(wide-angle / mirror image)**

Wide-angle

Mirror image

Main features of the CC6500E / CC6600E

• Rugged, reliable and durable, high-quality camera system is built from the ground up with all-original parts.
• Latest-generation CMOS sensor with 330,000 pixels which offers low-noise night-time images.
• Fluorine coating on shutter prevents dirt and snow from clinging.

IR ILLUMINATED COMPACT COLOUR CCD CAMERA

Dynamic range function and infrared illuminators improve the driver's visibility in dark situations

CC2020E

**IR illuminated colour CCD camera
(wide-angle / mirror image)**

Wide-angle

Mirror image

Features
• Dynamic range function improves the camera image clarity in both light and dark situations.
• 5 built-in infrared emitters.
• Built-in microphone.
• Built-in heating element ensures the camera is ready for use at all times.
• Weather-resistant die-cast aluminium housing.
• Electronic iris.
• Can also be connected to a universal monitor with a composite (RCA) input terminal via the dedicated conversion cable (CCA730). (12V vehicles only)

CMOS COLOUR CAMERA

CC520

CMOS vision assist camera

CC520

CC720

**CMOS vision assist camera
(true / mirror image)**

CC720

Defeatable distance guide lines (red, orange, yellow, green) make parking a cinch

By connecting the CC520, CC720 to a Clarion navigation multimedia unit, you'll be able to view different coloured guide lines to indicate the distance from your vehicle to a safe stopping point.

MONITOR SYSTEM

CJ5600E

5.6-inch colour LCD monitor

5.6inch Monitor

CJ5600E

CJ7500E

7-inch wide colour LCD monitor

7inch Monitor

water proof

CJ7500E

CJ7600E

7-inch widescreen digital LCD monitor

7inch Monitor

CJ7600E

EA2182E

4 camera control box

EA2182E

• Stand-alone mode to provide 4-screen display
• Hazard lights recognition
• ND connector working under Locke

SurroundEye

SurroundEye system

Safe driving support system — SurroundEye

Bird's-eye images captured by multiple vehicle-mounted cameras are displayed on the monitor inside the vehicle.
By providing views of areas that are dead angles for the driver, this system supports safer driving.

CC6300E

Ultra wide angle compact CMOS camera (160°true image)

EG2300E

SurroundEye camera controller

RCB210

Selector switch

Buses

Camera mounting positions

4 Cameras

- Front centre: CC6300E (160°true image)
- Rear centre: CC6300E (160°true image)
- Left side: CC6300E (160°true image)
- Right side: CC6300E (160°true image)
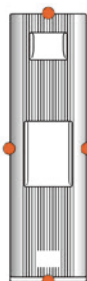
Display interlocking

- Backup signal
- Left turn signal
- Right turn signal
- Middle door

Applicable buses

Buses with middle doors (Total length: Approx. 9 to 12 m)

Relay cable
RCB210   Left / right side camera   Rear camera
Front camera
Monitor
EG2300E   Vehicle
Front   Rear

4 cameras (when turning right and left)

Rear   Black screen (mute)

Display switching

(Default settings)

4 cameras (when backing up)

4 cameras bird's-eye view   Rear   Rear

Display switching

(Default settings)
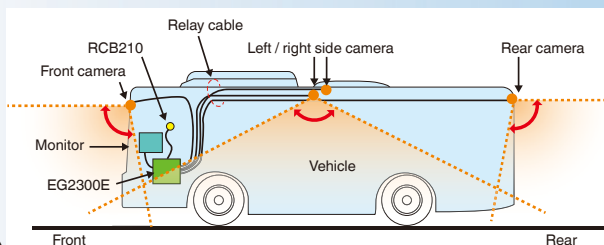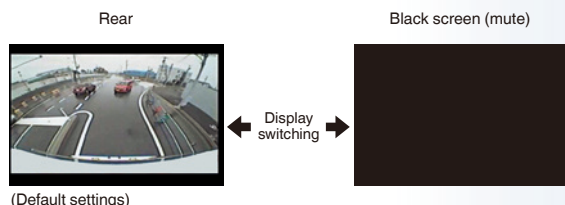
4 cameras (when turning right and left)

4 cameras bird's-eye view   Rear
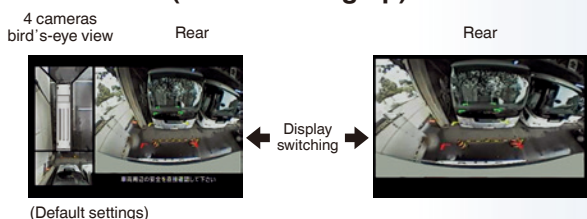
4 cameras (middle door open)

4 cameras bird's-eye view   Rear   2 cameras bird's-eye view   Rear

Display switching

(Default settings)
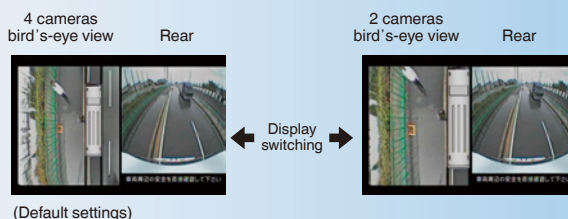
● Accessories for camera & monitor system

CAA188
Power box for CCD camera
- 8-pin mini-DIN output for MAX983HD
- Reverse gear connection
- Manual on / off switch
- 12 V compatible

UG2176A
Calibration software and interface module

RCB211
Wireless remote controller
for EA2182E

CCA712
Receiver
for RCB211

Compact camera cables
for CC2011 series and CC1030E cameras
CCA532 (7 m / 23 ft)
CCA533 (10 m / 33 ft)
CCA534 (15 m / 49 ft)
CCA553 (23m / 65ft)

Heavy-duty camera cables
for CC2001F, CC2000E, CC2003E, CC2002E

CCA416 (5 m / 16 ft)
CCA392 (7 m / 23 ft)
CCA393 (10 m / 33 ft)
CCA394 (15 m / 49 ft)
CCA395 (20 m / 65 ft)

CAMERA CABLES for CC3000E
CCA729 (20 m / 65 ft)
For connecting CC3000E, CJ5600E, CJ7000E, CJ7100E

Camera extension cables
CCA439 (0.9 m / 3 ft)
CCA391 (5 m / 16 ft)
CCA415 (10 m / 33 ft)

CCA730
for connecting general-purpose AV monitor with video input terminal
- Only for 12 V vehicles

Heavy duty camera cable
for connecting CC6500E, CC6600E, CJ7600E

CCA791 (5 m / 16 ft)   CCA795 (15 m / 49 ft)
CCA792 (7 m / 23 ft)   CCA796 (18 m / 59 ft)
CCA793 (10 m / 33 ft)   CCA797 (20 m / 65 ft)
CCA794 (13 m / 42 ft)   CCA798 (23 m / 75 ft)

Heavy duty extension cable
CCA799 (0.9 m / 3 ft)
CCA800 (7 m / 23 ft)
CCA801 (10 m / 33 ft)

Exchange cable
CCA788 (0.2 m / 7.87-inch)
CCA789 (0.2 m / 7.87-inch)
CCA790 (0.3 m / 11.81-inch)
CCA818 (0.3 m / 11.81-inch)

Engineered for the marine environment

CMS4

"Black box" digital media receiver with watertight commander

Made for
iPod | **iPhone**

Bluetooth | aptX CSR

MP3/WMA | USB | AUX Input

CMS4

Full 4-Zone Entertainment

Clarion's CMS4 is the ultimate media hub that was developed to enhance the user interface and audio experience.

• Bluetooth® aptX for high-quality stream
• 7-Band graphic equaliser
• 4 Zone audio volume control

GR10BT

USB / MP3 / WMA gauge receiver with no black box

Bluetooth

MP3/WMA | USB | AUX Input

GR10BT

Bluetooth for stereo audio streaming

Built-in Bluetooth provides stereo streaming with a wide variety of Bluetooth compatible devices. Play music stored on your connected Bluetooth device, whether it's a mobile phone or a portable audio player, with wireless convenience.

* Depending on mobile phone.

CMV1

Watertight DVD / CD / USB receiver

CMV1

DVD VIDEO | COMPACT disc DIGITAL AUDIO TEXT | DIVX.

Made for
iPod

MP3/WMA/AAC | Rear USB

CMD8

Watertight CD / USB receiver

Optional RCX002 | CMD8

COMPACT disc DIGITAL AUDIO | Made for **iPod** | **iPhone**

Engineered to withstand water and salt (CMV1, CMD8)

MP3/WMA | Rear USB

CMS5

Digital media receiver with 10.9 cm (4.3-inch) colour LCD watertight controller with J1939 compatibility

Hideaway source unit for installation flexibility

Made for
iPod | **iPhone** | **Bluetooth**

MP3/WMA | USB | AUX Input

CMS5

CMS2

Digital media receiver with watertight commander

Just connect your smartphone using the 1.1 Amp USB pigtail for music playback from the CMS2.

Made for
iPod | **iPhone** | **Bluetooth**

MP3/WMA | USB | AUX Input

CMS2

Marine line-up

M303

Bluetooth / CD / USB / MP3 / WMA receiver

Optional RCX002   M303

Made for
iPod · **iPhone**

COMPACT DISC DIGITAL AUDIO

Bluetooth®

Parrot move wireless

MP3/WMA · USB · DCP

M109

CD / MP3 / WMA receiver

M109

COMPACT DISC DIGITAL AUDIO TEXT

MP3/WMA · AUX Input · High Visibility LCD · DCP

CMG SERIES — **Marine speakers and subwoofers**

MAX Input 100W
CMG1722R
17 cm (7″) coaxial 2-way water resistant speaker

MAX Input 100W
CMG1622R
16.5 cm (6-1 / 2″) coaxial 2-way water resistant speaker

MAX Input 120W
CMG1622S
16.5 cm (6-1 / 2″) 2-way water resistant component speaker system

MAX Input 350W
CMG2512W
25 cm (10″) single 4-ohm voice coil water resistant subwoofer

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CMQ SERIES — **High performance marine speakers and subwoofers**

MAX Input 200W
CMQ1622RL
16.5 cm (6-1 / 2″) coaxial speaker system with blue LED illumination

MAX Input 160W
CMQ6922R
15 cm × 23 cm (6″× 9″) coaxial 2-way water resistant high performance series speaker

MAX Input 400W
CMQ2512W
25 cm (10″) single 4-ohm voice coil water resistant high performance series subwoofer

---

MAX Input 100W
CM1625
16.5 cm (6-1 / 2″) coaxial 2-way water resistant speaker

MAX Input 200W
CM7123T
18 cm × 25 cm (7″ × 10″) tower speaker with swiveling clamps

Marine remote control

MW4
Watertight 3-inch colour LCD wired remote control
for CMD8, CMS2, CMS4, CMS5, CMV1, M303

MW2
Watertight remote control
for CMD8, CMS2, CMS4, CMS5, CMV1, M303

MW1
Watertight remote control with LCD
for CMD8, CMS2, CMS4, CMS5, CMV1, M303

MF1
RF wireless remote control
for CMD8, CMS2, CMS4, CMS5, CMV1, M303

● Accessories

MW6
NMEA 2000 interface module
for CMD8, CMS2, CMS4, CMS5, CMV1, M303

NMEA 2000 Certified

CCAUSB
USB extension cable

MWRXCRET
10 m remote extension cable
for MW1, MW2

CCAAUX
RCA / 3.5 mm AUX input cable

MWRYCRET
Remote y-cable
for MW1, MW2

RCX002
Optional remote control
for CMD8, M303

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Your Clarion dealer can tell you more.

clarion

www.clarion.com

Notes