Clarion: a global brand that puts your future first

Clarion was founded in 1940, and ever since developing Japan's first car radio in 1951, continues to actively develop new products, based on new technologies. Born in Japan, and widely adopted by automobile manufacturers all over the world, Clarion is an unstoppable source of innovation, inspired by the current and future needs of drivers like you. Clarion specialises in in-vehicle equipment and systems, so our attention is tightly focused on your car and lifestyle. That is why we are able to offer maximum value for your investment. From the latest innovations to the unchanging pursuit of sound excellence, you can count on Clarion to deliver satisfaction to your drive.

- "Made for iPod" and "Made for iPhone" mean that an electronic accessory has been designed to connect specifically to iPod or iPhone, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod or iPhone may affect wireless performance. iPhone, iPod and Siri are trademarks of Apple Inc., registered in the U.S. and other countries.
- \bullet Android $^{\text{TM}}$ is a trademark of Google Inc.
- Manufactured under license from Dolby Laboratories. Dolby, Dolby Audio, Pro Logic, and the double-D symbol are trademarks of Dolby Laboratories.
- The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Clarion is under license. Other trademarks and trade names are those of their respective owners.
- DivX®, DivX Certified® and associated logos are trademarks of DivX, LLC and are used under license. DivX Certified® to play DivX® video, including premium content. Covered by one or more of the following U.S. patents: 7,295,673; 7,460,668; 7,515,710; 7,519,274
- microSDHC Logo is a trademark of SD-3C, LLC.
- The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.
- MHL, Mobile High-Definition Link and the MHL Logo are trademarks or registered trademarks of the MHL, LLC. in the United States and other countries.
- Pandora, the Pandora logo, and the Pandora trade dress are trademarks or registered trademarks of Pandora Media, Inc. used with permission. Pandora is only available in certain countries.
- Please visit http://www.pandora.com/legal for more information The Wi-Fi CERTIFIED™ Logo is a certification mark of Wi-Fi Alliance.

- Specification and design are subject to change without notice.
- Photos are non-binding. The manufacturer and importer do not take responsibility for any printing errors.
- All units in this catalog are primarily intended for installation in passenger vehicles. Use in commercial trucks, tractors, off-road vehicles, construction machinery, boats (except Marine models), and other special-purpose vehicles or on motorcycles is not recommended.
- It may not be possible to resume iPod Video playback. Whenever ACC is turned OFF/ON, playback will commence from the beginning of the file.
- There's no guarantee that all units in this catalogue play CCCD (Copy Control CD), Hybrid SACD (Super Audio CD), CD-R/RW and DVD±R/RW.
- Please see the Clarion website for iPod models that can be connected
- Clarion's navigation systems should not be used as a substitute for your own judgement. Any route suggestions made by a Clarion navigation system should never override any local traffic regulations, your own judgement, and/ or knowledge of safe driving practices. Disregard route suggestions by the navigation system if such suggestions would: cause you to perform a hazardous or illegal maneuver, place you in a hazardous situation, or route you into an area you consider unsafe.
- The advice provided by the navigation system is to be regarded only as a suggestion(s). There may be situations where the navigation system displays the vehicle's location incorrectly, fails to suggest the shortest course, and/or fails to direct you to your desired destination. In such situations, rely on your own driving judgement, taking into account current driving conditions.
- Do not use the navigation system to route you to emergency services. The database does not contain a complete listing of locations of emergency service providers such as police, fire stations, hospitals and clinics. Please use your judgement and your ability to ask for directions in these situations.
- The driver should be aware and abide by the laws of the country when operating any multimedia/navigational equipment.
- Smartphone compatibility may vary by model and operating system.
- LCD panels use the latest high-tech components and boast an effective pixel rate of 99.99%. However, be aware that 0.01% or less of the pixels may be defective.

WARNING: Driver is prohibited by law from viewing a video signal on any in-dash monitor while the vehicle is in motion.



Clarion (Malaysia) Sdn. Bhd. Phase 3, Free Industrial Zone, 11900, Bayan Lepas, Penang, Malaysia Tel: (60) 4-614-8400, Fax: (60) 4-643-9108

Clarion (H.K.) Industries Co., Ltd.

Unit 712, 7 F, Tower 1, Harbour Centre, 1 Hok Cheung Street, Hung Hom, Kowloon, Hong Kong Tel: (852) 2723-2088, Fax: (852) 2723-1991

Clarion Co., Ltd.

7-2 Shintoshin, Chuo-ku, Saitama-shi, Saitama, 330-0081, Japan Tel: (81) 48-601-3700, Fax: (81) 48-601-3701

Clarion

2016

Catalog for Car Audio, Multimedia and Navigation



Full Digital Sound NAVIGATION



positioned on the black body

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 systems¹, while achieving low power consumption that's only about 1/5th that of analogue systems*2.

Full Digital Sound

*1 Compared to other Clarion reference.

Z25W Full Digital Subwoofer

- (Convention full digital systems were sold Japan market only)
- *2 Compared to the driving circuit of a typical factory original audio 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.

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.



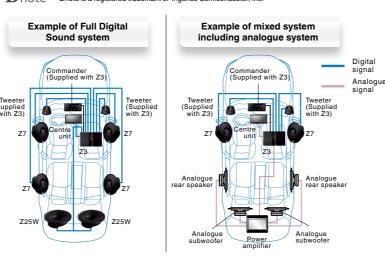
Check the Clarion website for

World's first*3 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.

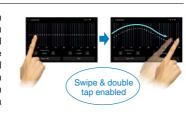


Full Digital Sound System Minimal quality loss * Trigence Semiconductor's Dnote technology is used for digital signal processing. Dnote is a registered trademark of Trigence Semiconductor, Inc.



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





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



For more about NX706AU







DOLBY AUDIO









Optical digital output for sound system upgradability

Connecting the centre unit to Full Digital Sound system with an optical cable, enables you to enjoy cuttingedge, high-quality full digital sound. The output can be set to Fixed or Variable, allowing you to maximise the volume of the source unit and adjust it at the processor, or finely adjust volume directly from the source



- CD/MP3/WMA/AAC/FLAC/DVD/MPEG4/H.264 playback
- 18FM, 6AM station presets
- Siri® Eyes Free
- Built-in Bluetooth® Interface (HFP, A2DP, PBAP, AVRCP)
- Dual USB ports
- 2-zone entertainment: front and rear separate source control
- iPod® Audio playback
- iPhone® / Android™ Phone via HDMI™
- Rear vision camera composite video input
- Built-in navigation
- 4 x 50 W power amplifier
- 2V/6-channel audio pre-out
- 15-Band graphic equaliser
- · Variable colour key illumination



Enjoy true mobility while staying connected

devices, or stream web radio stations

from anywhere around the world.

The best feature of AX1 is its built-in Wi-Fi system, that allows for convenient

internet browsing, software and firmware updates right from the source

unit. Easily stream media content wirelessly between DLNA compatible



2-DIN Wi-Fi enabled navigation system with 6.5-inch capacitive touch panel control



information about Clarion AX1



























Internet Connectivity

HD Media Playback





2-DIN multimedia station with built-in navigation & 6-inch touch panel control



about NX405A

• Siri® Eyes Free

- iPhone® audio & video playback
- iPod® audio & video playback • Bluetooth® for hands-free communication and audio
- streaming • GPS navigation with rich graphics and superior functionality
- 2-zone entertainment















*/>

\ 月x

Wide DVD multimedia station with 6.5-inch touch panel & built-in navigation

- 200 mm wide front panel
- Interactive GUI with flick operation · Parrot Bluetooth module

10:30 PM

TEL

Rear

Bluetooth

DOLBY AUDIO

 Made for iPod and Made for iPhone



















2-DIN DVD multimedia station with built-in navigation with 6.2-inch touch panel control



about NX316A

Designed for 200 mm wide front panel







NX316A / NX316AW Features



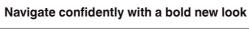












A neatly designed touchscreen offers a refreshingly strong yet playful presence to the NX316A. This no-fuss button layout makes navigation easy and quick. Builtin voice dial control enables you to make calls and play music from your connected smart phones.



- CD/MP3/WMA/AAC/Xvid/DVD/MPEG4 playback
- 18FM, 6AM station presets
- Built-in Bluetooth Interface (HFP, A2DP, AVRCP, PBAP) iPod audio plavback
- Front USB and Rear AUX input (Only NX316A)
- Rear USB and AUX input (Only NX316AW)
- Rear RCA AV input • Digital Time Alignment
- 7-band graphic equaliser
- Programmable steering wheel control
- MTP playback support



2-DIN DVD multimedia station with 6.2-inch touch panel control



For more

 Android™ Phone & iPhone connectivity for seamless enjoyment of your favourite music and videos

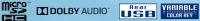
· Bluetooth for hands-free communication and audio





















12:34 PM

 \odot





touch panel control



informatio about VX215A





*Please refer the specifications of Navigation & Multimedia units in pages 06 & 07.

CD/MP3/WMA/AAC/Xvid/DVD/

Programmable steering wheel control

MPEG4 playback • 18FM, 6AM station presets

• Front USB & AUX input

• Digital Time Alignment

7-band graphic equaliser

iPod audio playback



2-DIN DVD multimedia station and smart phone connectivity with 6.2-inch touch panel control





Designed for 200 mm wide front panel







VX316A / VX316AW Features



















Get extended versatility with smart phone connectivity

Plug in your smart phone via the HDMI™ input for access to endless possibilities of multimedia entertainment and applications. Support for MHL allows mirroring of your smart phone's screen and media playback on the source unit.



- CD/MP3/WMA/AAC/Xvid/DVD/MPEG4 playback
- 18FM, 6AM station presets Built-in Bluetooth Interface (HFP, A2DP, AVRCP, PBAP)
- iPod audio playback
- HDMI input for smart phone connectivity
- Front USB and AUX input (Only VX316A)
- Front SD card input (Only VX316AW)
- Rear USB and AUX input (Only VX316AW)
- Rear RCA AV input • Digital Time Alignment
- 7-band graphic equaliser
- Programmable steering wheel control
- MTP playback support

04 www.clarion.com www.clarion.com 05



2-DIN CD/USB/MP3/WMA receiver

- CD/MP3/WMA playback
- 18FM,6AM station presets
- Front USB & AUX port
- iPod® and iPhone® audio playback



For more information CX215A















CZ315A

CD/USB/MP3/WMA/Bluetooth

about CZ315A

Made for

For more

i Intelligent Tune

receiver





· Bluetooth for hands-free

• 7-band graphic equaliser

audio streaming

Intelligent Tune

 □ iPod
 □ iPhone

communication, phonebook access and

· Superior iPod and iPhone connectivity



Bluetooth Frank



For more about CZ703A

- · Dual USB front and rear connectors
- and audio streaming
- Superior iPod and iPhone connectivity
- · Digital Time Alignment with 3-way crossover



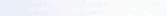
CZ703A

CD/USB/MP3/WMA/Bluetooth®

illumination Time Alignment &

receiver 728 variable colour

information



- Parrot Bluetooth for hands-free communication, phonebook access







Optional







CD/USB/MP3/WMA receiver

🔥 Intelligent Tune



Made for



BiPod □iPhone



USB



- connectivity
- Front auxiliary input
- Intelligent Tune

Optional

(RCX001)

usavipoji

- 7-band graphic equaliser
- · Low Pass Filter for subwoofer

CZ205A

CD/USB/MP3/WMA receiver

about





sound reproduction, adding presence and dynamism that's

Intelligent Tune (CZ315A / CZ215A)

Sound Restorer

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

Virtual Bass

Based on acousticopsychology, harmonic elements of low frequencies are added to the signal to reinforce low range elements that speakers cannot physically reproduce.

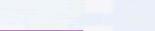
7-band graphic equaliser (CZ315A / CZ215A)

Equipped with a full-featured 7-band graphic equaliser, you will enjoy superior control over the audio spectrum with frequency adjustments in the 60Hz to 16kHz range over seven bands. This gives you the power to get the most of your sound system, and the ability to contour the sound output to your musical taste.

USB/IPOD



- connectivity
- Front auxiliary input
- Beat EQ for customisable sound







Front

USB

about FZ003A

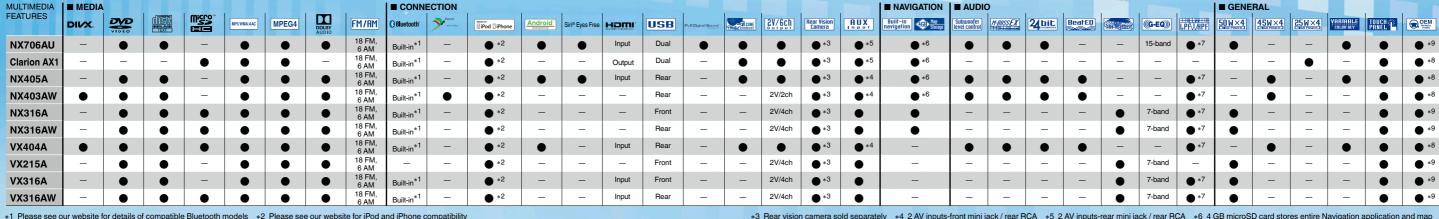








• Front AUX input



*3 Rear vision camera sold separately *4 2 AV inputs-front mini jack / rear RCA *5 2 AV inputs-rear mini jack / rear RCA *6 4 GB microSD card stores entire Navigation application and map coverage for 5 countries, and enables direct data updating *7 Low Pass / High Pass Filters *8 Need optional interface unit *9 Programmable

| SOURCE | ■ MEDIA ■ CONNECTION | | | ■ AUDIO | | | | | | | ■ GENERAL | | | | | | | | | | | | | | | | | | | | |
|-------------------|---|-----------------------------|---------|---------------|--------------------|---------------------|----------------------|---------|--------|--------|-----------|--------------------|--------------------|-------------------------|----------|---------|----------------|--------|---|--------|---------|-----|------------------------|---------------------------|--------------------|--------------------|-------|-------|---------------|------------------------|-----|
| UNITS FEATURES | COMPACT COMPAC | OISG DECTAL AUGO TEXT | MP3/WMA | FM/AM | ₿ Bluetooth | Parrot ranse window | Made for iPod iPhone | USB | SV/6ch | 2V/4ch | \$\\\\$c\ | FRONT AUX Input | A Intelligent Tune | Subwoofer level control | M-BASSEX | (G-EQ)) | BeatE0 Plus | BeatE0 | | X-OVER | LPFXHPF | LPF | High Visibility LCD | Integral Rotary Volume | MOS-FET 50W×4 ≈ | MOS-FET 45W×4 ≋ | 50W×4 | 45W×4 | 728c Williams | OEM Remoče reads | DCP |
| CX215A | _ | • | • | 18FM, 6AM | _ | _ | USB (Audio) | Front*3 | _ | ● *5 | _ | • | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | ● *12 | • | _ | _ | _ | • | _ | ● *15 | _ |
| CZ703A | • | _ | • | 18FM, 6AM | Built-in*1 | • | USB (Audio/Video)*2 | Dual | ● *4 | _ | _ | • | _ | • | • | _ | ● *7 | _ | • | • | ● *9 | _ | ● *11 | • | • | _ | _ | _ | • | ● *14 | • |
| CZ315A | _ | • | • | 18FM, 12AM | Built-in*1 | _ | USB (Audio) | Front*3 | - | ● *5 | _ | • | • | • | _ | 7 -band | _ | _ | _ | _ | ● *9 | _ | ● *10 | • | _ | _ | • | _ | _ | ● *15 | • |
| CZ215A | _ | • | • | 18FM, 12AM | _ | _ | USB (Audio) | Front*3 | _ | ● *5 | _ | • | • | • | _ | 7 -band | _ | _ | _ | _ | _ | • | ● *10 | • | _ | _ | • | _ | _ | ● *15 | • |
| CZ205A | • | _ | • | 18FM, 6AM | _ | _ | USB (Audio) | Front*3 | - | ● *5 | _ | • | _ | • | • | _ | _ | ● *8 | _ | _ | _ | • | ● *10 | • | _ | • | _ | _ | _ | ● *14 | • |
| FZ003A | _ | _ | • | 18FM, 6AM | _ | _ | _ | Front*3 | _ | _ | ● *6 | • | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | ● *13 | • | _ | • | _ | _ | _ | _ | |



10.1-inch high definition rooftop monitor with motorised screen

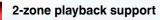


MP3/WMA/AAC USB



Play high or standard definition movies from your source unit through HDMI or composite video. Support for USB playback and a secondary HDMI input provides more options for media sources such as video game consoles or portable media players.





Keep passengers entertained while you focus on the road with 2-zone playback support. Connect multiple IR headphones for the convenience and viewing pleasure of more than one passenger without distracting the driver.

SRV250

subwoofer low-profile design

switching on wired remote control (cable: 2 m)

Remote control extension cable (4 m) included

• 16.5 cm (6-3/4") Subwoofer

• RCA / Speaker level inputs

Dimensions (W × H × D) (mm)
 Main unit: 275 × 70 × 195
 Remote control unit: 32 × 24.5 × 111
 Weight (g) Main unit: 2,500
 Remote control unit: 90

150 W max. 16.5 cm (6-3/4") amplified

Built-in MOS-FET power amplifier with 150 W max. output
 Low-profile design allows installation under seat
 AMI-PP cone with aramid fiber mixed in polypropylene

Rigid aluminum die-cast enclosure for tight bass reproduction
 Independent buttons for gain control / low-pass filter / phase

Empower yourself with pumped-up bass



High definition, crystal clear imagery

The TFT Active Matrix System gives you edge to edge clear, crisp images. Its high-efficiency LED backlit technology produces a consistent brightness across the display for the best viewing experience for High Definition video.



control over sound



New wired remote control for full

Low-profile design for flexible installation



Release the power from within



CLASS D AMPLIFIERS









400 W Micro size 4/3/2-channel amplifier





400 W Micro size mono amplifier





1000 W 6/5/4/3-channel amplifier



XC6420

600 W 4/3/2-channel amplifier



XC6120

1300 W mono amplifier

| Amplifiers | Maximum Power Output | 4-Ohm | 2-Ohm | Туре | Number of Channels | Dimensions $(W \times L \times H)$ |
|------------|-------------------------|-------------------------|-------------------------|---------|--------------------|------------------------------------|
| XC2510 | 700 W | 50 W × 4 + 200 W × 1 | 75 W × 4 + 300 W × 1 | Class D | 5/4/3 | 280 × 110 × 39 mm |
| XC2410 | 400 W | 50 W × 4 | 75 W × 4 | Class D | 4/3/2 | 182 × 82 × 39 mm |
| XC2110 | 400 W | 200 W × 1 | 300 W × 1 | Class D | Mono | 202 × 82 × 39 mm |
| XC6620 | 1000 W | 85 W × 6 | 125 W × 6 | Class D | 6/5/4/3 | 388 × 174 × 55 mm |
| XC6420 | 600 W | 85 W × 4 | 125 W × 4 | Class D | 4/3/2 | 222 × 174 × 55 mm |
| XC6120 | 1300 W | 330 W × 1 | 650 W × 1 | Class D | Mono | 222 × 174 × 55 mm |

08 www.clarion.com 09

Cutting-edge technology speakers



Component systems



16.5 cm (6-1/2") 2-way component system



For more information about SRP1723S

300 W Max. SRP1323S

13 cm (5-1/4") 2-way component system









Multiaxial 5, 4-way



600 W Max.



15 cm × 23 cm (6" × 9") multiaxial 5-way



For more information about



550 W Max.



15 cm × 23 cm (6" × 9") multiaxial 4-way



For more information about SRG6943R

Coaxial 2-way



280 W Max.



coaxial 2-way



information about SRG1723R



SRG1323R

13 cm (5-1/4") coaxial 2-way





10 cm (4") coaxial 2-way information about



SRG1023R

Multiaxial 3-way



450 W Max.



15 cm × 23 cm (6" × 9") multiaxial 3-way



For more

Balanced-drive tweeter

For more

SRG1323R



200 W Max.







For more SRG213H

Add rich, pumping bass





dual 4-ohm voice coil subwoofer





WF2520D

1000 W Max. 25 cm (10") dual 4-ohm voice coil shallow-mount subwoofer



| Subwoofers | Size | Maximum Power Handling | High Strength Stamped Steel | Dual Voice Coil | Dimensions (W × H × D) | | |
|------------|-------------|---------------------------|--------------------------------|--------------------|---------------------------|--|--|
| WG3020D | 30 cm (12") | 1000 W | • | • | 307 × 307 × 150 mm | | |
| WF2520D | 25 cm (10") | 1000 W | • | • | 260 × 260 × 80 mm | | |

Watch your back!



Rear vision CMOS camera





- 1/4" Colour CMOS Sensor Technology
- High Visibility Day and Night
- Low Light Sensitivity: 0.5 lux • 150 Degree Horizontal Viewing Angle
- 100 Degree Vertical Viewing Angle
- IP67 Water Ingress Protection Auto Gain Control (AGC)
- ASTM D4329 (UV) Certified
- Auto White Balance
- Active Pixels: 342,016 (668 horizontal × 512 vertical)
- Mirror Image
- Tilt and Swivel Mounting Bracket Included

- Compact Connector
- Video Output: NTSC
- Sealed Unit Construction
- 8-feet (2.5m) Camera Pigtail • 23-feet (7m) RCA and Power Connections
- Dimensions (inches): 29/32 (H) × 29/32 (W) × 7/8 (D)
- Dimensions (mm): 23 (H) x 23 (W) x 22 (D)
- Compatible with CAU001 License Plate Frame
- Distance Guide Lines (Red, Orange, Yellow, Green)



Compact Automotive Camera with Distance **Guide Lines** (Red, Orange, Yellow,





150°

Accessories

WH204 / WH114H Wireless headphone systems WH204: Dual channel IR wireless headphone system WH114H: Replacement and/or additional single channel headphone



CCA802 HDMI™ cable (Type A to Type A) For NX706AU/NX405A/

CCA771
Micro HDMI cable (Type A to Type D) For NX706AU/NX405A/ VX404A

CCA822 (Type E to Type A)

CCA748 iPod® / iPhone® video connecting cable For CX215A/CZ315A/ CZ215A/CZ205A

VX404A/CZ703A

RCX001 Infrared remote control
• For CZ703A/CZ205A

RCX005 Infrared remote control • For NX706AU/NX405A/ RCB176 Infrared remote control • For CX215A/ CZ315A/CZ215A

CCA750

iPod / iPhone video

connecting cable
• For NX405A/NX403AW/

RCX009 Infrared remote control • For FZ003A

CCA755
USB extension cable For NX706AU/NX405A/ NX403AW/VX404A/CX215A/ CZ703A/CZ315A/CZ215A/ CZ205A/FZ003A

> RCB199 External microphone
> • For CZ703A/CZ315A

10 www.clarion.com