

07 SOURCE UNITS

THE LINK BETWEEN YOU AND YOUR MUSIC

Music is more than just sound, it's a personal life style. From hip-hop, reggae, jazz and even disco, we all move to the beat of a different drum. With the options for having your music at your side becoming more diverse, Clarion has adopted an 'Any Source, Any Time' way of thinking. With provisions for USB memory devices, SD card slots, front panel auxiliary inputs and easy to use iPod® interfaces, there's no portable device you can't enjoy through your audio system.

AUX (Input) Terminal in Front for Quick Connection with Portable Music Players



Plug it in and turn it up! Connect any portable audio device or even a portable satellite navigation system with ease. The front panel auxiliary input featured on several source units provides connectivity with clarity.

USB Terminal to Increase Connectivity to Variety of Peripheral Devices

Drag and drop - that's all you have to do to copy your music collection onto a USB memory stick. Then simply plug it in to your Clarion USB-enabled product and listen to countless hours of your favourite music. For 2007, Clarion USB-enabled source units will allow you to access 15,000 songs from a single USB device and view ID3 tag information to let you know what you're listening to.



Complete Control of your iPod®

The EA1276 interface takes iPod integration to another level. Featuring the capability of navigating through playlist, album, artist or song. The EA1276 will charge the battery in your iPod as you listen, so you'll be ready to go when you arrive at your destination.

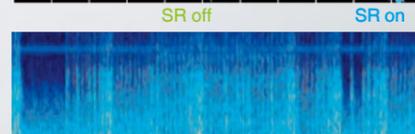
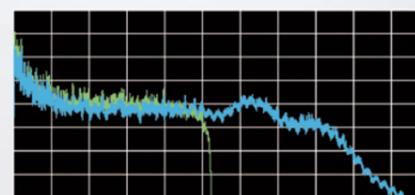


Support of Wide Variety of Digital Era Media and Compression Formats

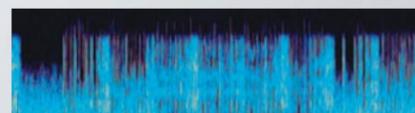
Buying music online is as easy as a click of the mouse. Now, playing that music is just as easy. Clarion adds Apple iTunes® AAC file support to our existing MP3 and WMA compressed digital audio compatibility.

"Sound Restorer" to Complement Lost Sound Contents during Compression

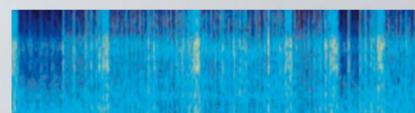
When audio files are compressed into MP3, WMA, or AAC formats, every attempt is made to remove only that information which is not easily heard, this is called perceptual encoding. The drawback is that frequencies over 10kHz are often lost or distorted. Clarion's exclusive "Sound Restorer" processing recreates those subtle nuances and harmonics back into the recording. Compressed music files, won't sound like compressed music.



Original Track (CD)



Compressed Track (MP3)



"Sound Restorer" ON



SLIDETRAK Sideways Control

Clarion takes HMI to the next level with SLIDETRAK for precise control of key features on the main unit. Simply swipe your fingertip to easily adjust the volume. Preset radio stations and CD track controls are also incorporated into the multifunctional display, so you can navigate through preset stations or select your favourite music track by sliding your finger to a side of the display. SLIDETRAK also maximises available space on the main unit to create a large, easy-to-read display.

SHOOTING STAR : Buttons Designed to Associate with an Image of Shooting Stars

Advances in HMI design take many forms. The new DB176MP through DXZ476MP feature our new Shooting Star control panel design. Shooting Star puts all the controls as close as possible to the driver and allows for a larger, easier to read LCD display that contains more information. A centrally located rotary volume knob punctuates this advanced design.



Cool Design, Totally Different from Units in the Past, FB276BT

Clarion isn't afraid to be different - this is what was behind the design of FB276BT. A unique feature set combined with our Metal Shark design makes this deck stand out from the crowd. Unconventional materials, indirect lighting and aggressive styling combine to make a source unit that will attract attention, even before you turn up the volume.



An Image of Modern Living Room for Cars, DUB276MP/276MPW

Tired of the same old thing? Clarion designers thrive on creativity - the result is DUB276MP/276MPW an unconventional approach to an unconventional product. DUB276MP/276MPW incorporates a simple and stylish design, one that is smooth and clean. The HMI interface is simple and



effective, adding to the uncluttered look. Add unique features like front-panel auxiliary input and USB with variable colour illumination, and DUB276MP/276MPW stands out in more ways than one.



IMMERSE YOUR SENSES IN SOUND

From the solid look and feel of the edge-lit control panel to the simplicity of the central volume control - the FB276BT breaks all previous source unit stereotypes. Clarion's advanced HMI design launches a new era in mobile source units with FB276BT and DUB276MP.

Intuitive Design

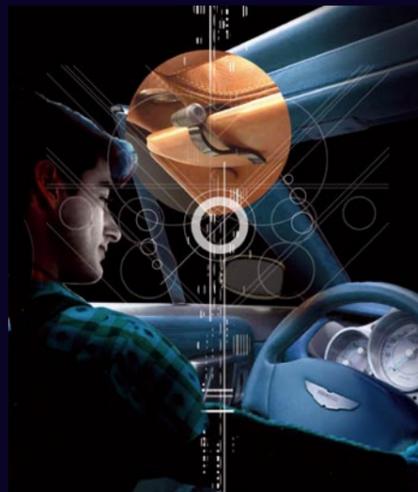
The FB276BT is like no other source unit - with its intuitive HMI design that minimises the number of buttons while maximizing functionality. Each button is large and easy to use, while at the same time appearing to not exist at all.

Cutting Edge Style

Indirect lighting on the FB275BT makes each of the arched buttons appear to float, adding to the mystique of the Metal Shark design. A mirror finish surrounds the bottom half of the illuminated rotary volume control.

Connectivity

The next evolution in mobile audio - no moving parts. FB276BT features an SD card slot behind the folding control panel. Simply copy your favourite songs from your PC to an SD card, and you are ready to go with hours of music. You can also connect your Bluetooth® enabled cellular phone, PDA or iPod (with the Clarion DGL370 Bluetooth audio transmitter and Cradle for iPod BC001N/002M/003V) for even more music choices. The revolution is here and its name is FB276BT.



Advanced functions such as hands-free calling and enhanced media links are combined.

The built-in Bluetooth receiver allows you to enjoy hands-free calling with a mobile phone using the 3.5-mm connector for commercially available microphones. Furthermore, a built-in SD slot makes playing music from outside sources easy, and an ID3-TAG Display allowing for simple manipulation of compressed formats such as MP3 is employed. In addition, the 728-Variable Color Illuminated keys provide brilliant illumination for your interface.

Unique Concept

From the theoretical stage to the drawing board and on to final production - the concept of the FB276BT was to encompass sleek, bold styling. Finished in white acrylic, the four curved buttons on each side of the central rotary volume control mimic the gills of the Master of the Sea. Bold, brazen and beautiful at the same time - this is the Metal Shark concept.

FB276BT and DUB276MP are the ultimate harmony of function and design. Their looks are not only highly stylized, but designed to make them easier to use. They are at the same time raw and natural while being elegant and state of the art. Clarion breaks down all the barriers with advanced HMI designs.

The most unique and advanced Human Machine Interface ever

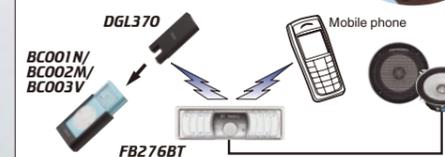
FB276BT

Bluetooth SD/MP3 RECEIVER

- SD slot • MP3 Compatible with ID3-TAG display • Built-in Bluetooth interface • 18 FM Presets • 50W x 4 Built-in Amplifier • Flip-down control panel • 728-variable colour illuminated design • RCA Auxiliary Input • 2ch/2V RCA Output • External Microphone included • Bluetooth: Headset profile (HSP), Advanced Audio Distribution Profile(A2DP), Audio Video Remote Control Profile (AVRCP) • Detachable control panel



Bluetooth system example



Clean, Simple and Elegant - a new concept for your car

Clarion's product designers worked hard to minimize the number of buttons on the DUB276MP while maximizing its functionality. The result is a source unit that is simple and stylish in design, while offering leading edge technology, connectivity and performance. Presenting DUB276MP - a 2-DIN AM/FM CD/USB source unit with a look like no other.

DUB276MP

2-DIN CD/USB/MP3/WMA RECEIVER

- CD-R/RW ready • MP3 and WMA compatible with ID3-TAG display • Front USB slot • 18 FM/ 6 AM Presets • Z-Enhancer sound customization • MAGNA BASS EX dynamic bass enhancement • 50W x 4 Built-in MOS-FET Amplifier • High visibility single line display with Screensavers • 728-variable colour display and illuminated keys • Front panel 3.5mm Auxiliary Input • 2ch/2V RCA Output • Bluetooth Interface Ready (Optional BLT370)



USB Input for Compressed Digital Audio

The DUB276MP is ready for your USB memory stick. This source unit can handle 15,000 digital audio files. File names can be up to 28 characters long, and folder names can be up to 16 characters long.



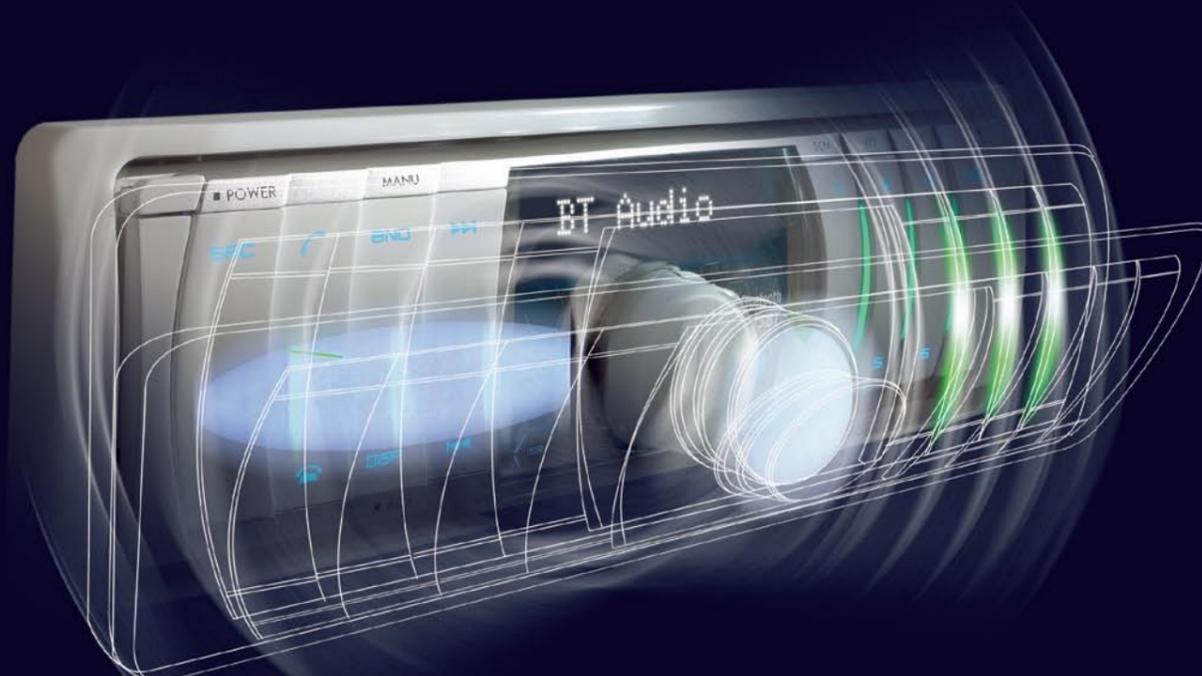
Multi-colour Buttons

Clarion offers two source units in 2007 that allow users to adjust the RGB levels to cosmetically harmonise the look of their radio to the vehicle's dashboard and gauge cluster illumination. Users can choose from 728 colour possibilities.



Available in Limited Edition White

This limited release item is sure to turn heads with its stunning white finish giving the perfect backdrop to its brilliant 728 colour lighting.



From the pursuit of faithful sound source playback to the body layout, the series flagship model HX-D2 is packed with all of the functions one could possibly want from a modern main unit. The 96 kHz Sampling D/A converter draws out the delicate nuances and reverberations from the sound, while the 5-Band Parametric EQ creates the sound balance that perfectly matches your tastes. Additionally, the Glass Epoxy 4-Layer Circuit Board and external power supply unit DC/DC converter provide stable circuit operation and high-quality sound. Clarion offers sound that reaches the next level to discerning car audio fans who appreciate the subtle differences in sound, and that are searching for the ultimate in car sound quality.



Clarion's HX-D2 main unit takes you into the recording studio



HX-D2

CD RECEIVER/CeNET CONTROL



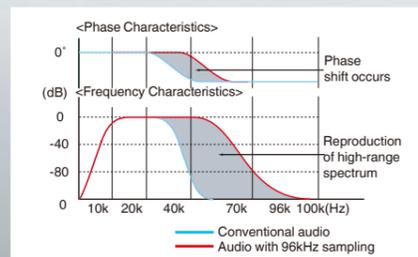
- Dual 24-bit / 96kHz sampling digital to analogue burr-brown converters and DSP
- Built-in 4-way crossovers • 5-band parametric equaliser
- Digital time alignment for each line level output
- 8-channel/4-volt gold plate oxygen-free audio pre-out
- 0.5dB-step electronic volume adjustment circuit
- Copper plated chassis
- External DC/DC converter
- CeNET control of: DVD changer, 6-disc CD changer & TV tuner
- iPod® control capability via optional EA1251
- 2 x 2-channel auxiliary inputs
- Zinc die-cast faceplate
- Fibre optic input/output
- Vacuum fluorescent display
- 18FM, 6AM station presets

96kHz Sampling D/A Converter

96kHz sampling enables reproduction of sounds faithful to the original source.

The 96kHz Sampling D/A converter samples at a much higher rate than the usual 44.1kHz to offer reproduction frequencies as high as 48kHz (half the sampling frequency of 96kHz), surpassing the format specifications for CD as the first such D/A Converter for car audio use. By broadening the sampling range, it becomes possible to reproduce the subtle nuances and depth contained in harmonic elements while reducing phase distortion in the high frequency range, delivering the full expressiveness and natural resonance that is inherently present in sound.

Conceptual Diagram of Frequency/Phase Characteristics



Conventional CD players could only reproduce up to around 20kHz.

Sampling takes place to convert digital signals to analogue. In this process, digitised sound with a frequency range of up to about half the sampling frequency is reproduced. For example, in the case of CDs which are sampled at a frequency of 44.1kHz, playback is possible for up to half that, or 22.05 kHz. Sampling is set at 44.1kHz to achieve reproduction of highs in the neighbourhood of 20kHz.

Burr Brown advanced segment type 24-bit D/A converter

After high sampling, the data is processed by an advanced segment type Burr Brown 24-bit D/A Converter which offers superior dynamic characteristics and is resistant to clock jitter. Since the D/A Converter's internal structure is a 4DAC configuration which operates on L/R± differential, higher accuracy in D/A Conversion is afforded.

Copper Plated Chassis prevents sound deterioration

The HXD2 was designed with a copper plated chassis to minimize the generation of spurious electrical current which can adversely affect sections that have a bearing on the signal, as well as noise interception caused by electrical shielding effect. By incorporating a zinc diecast panel, with its large specific gravity, high rigidity and low resonance, sound quality deterioration due to vibration is reduced. And by externally positioning noise generating parts such as the power supply, VFD devices for the display and the drive mechanism, the sources of noise are eliminated.



96kHz Sampling D/A Converter



Copper Plated Chassis Prevents Sound Deterioration



World's First 0.5dB Step Electronic Volume Circuit



Silver-Coated SK-6N (99.9999% Oxygen-Free) Copper PCA

A source unit for the digital age

The DXZ776USB is ready when you are - with more source connections and format capabilities than any before it. A 728-colour motorised DCP with "SLIDETRAK" controls serves as your interface to USB and Bluetooth® connectivity. If your music is digital, the DXZ776USB is ready with MP3/WMA and AAC playback capabilities from CD-R/RW or a USB memory stick. It joins together a 3-way crossover network, 6-volt/6-channel audio pre-out, 24-bit D/A converter and digital time alignment control with dynamic sound to enable flexible sound customisation and awesome sound in your car.



DXZ776USB

CD/USB/MP3/WMA/AAC RECEIVER/CeNET CONTROL



- CD-R/RW ready • MP3, WMA and iTunes® AAC compatible with ID3-TAG display
- USB connector • Maximum track capacity: 65,025 (255 tracks in 255 folders) • 18 FM, 6 AM station presets
- DSP tuner with variable bandwidth • iPod® control capability via optional EA1276
- Subwoofer level control • 24-bit D/A converter
- Sound Restorer • Digital Z-Enhancer sound customisation
- Digital time alignment control • 3-way active crossover
- 3-band parametric equaliser
- Built-in High-pass filter & Low-pass filter
- Built-in amplifier canceller
- 4-channel x 53 watts of MOS-FET amplification
- Motorised sloping console
- 728-variable colour display and illuminated keys
- Full dot display with Screen-savers
- "SLIDETRAK" for dynamic operation
- Mobile Phone input and mute
- Auxiliary input with level control
- 6-volt / 6-channel audio pre-out
- CeNET control of: DVD changer, TV tuner, 6-disc CD changer and iPod®
- AUX Bluetooth transceiver BLT370 ready
- OEM steering wheel remote wired interface capability
- Detachable control panel



SLIDETRAK

Clarion takes H.M.I. to yet another level with the introduction of SLIDETRAK. SLIDETRAK provides precise control of the key features on the main unit. With a simple swipe of the fingertip, you can easily control key functions. In addition, SLIDETRAK maximises the available space on the main unit's face to create a large easy to read display. Through the SLIDETRAK operation, the button size increases so the driver can keep their eyes on the road while operating the source unit. All the while enabling safer driving.



728-Variable Colour

USB Connector

Copy, Paste, Play - with Clarion's USB Connector, accessing your music collection is just that easy. And, with access to 65,025 songs, there's seemingly no limit your musical boundaries.

SLIDETRAK Controls

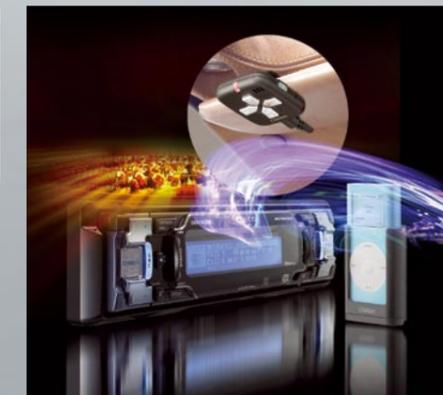


Time Alignment

To achieve optimum sound positioning, ideally each speaker should be located equidistantly from the listener. However, it is almost impossible to realise this in the environment of a car. Digital Time Alignment works to virtually change speaker distances, thus creating a seemingly optimal sound field. Adjustment is possible from 0 to 501.4 cm in 2.3 cm steps.

Bluetooth-ready

Hands-free conversations on Bluetooth-ready mobile phones greatly supports safer driving. Conversations are possible via wireless connection of a Bluetooth capable phone to the vehicle audio system. With Bluetooth-ready iPod cradles available to suit the BLT370, music from and control of the iPod can be carried out through the controls of the main unit.



Digital sound has never sounded so good. With Clarion's Sound Restorer signal processing and a 24-bit DAC - the result is music so pure, so detailed, it will be like it's the first time you've heard it.

The DXZ576USB offers features and connectivity second to none. This unit integrates an incredibly convenient front-panel USB slot with our new "SLIDETRAK" control for an interface that's unrivaled in performance. Clarion's advanced R&D team have outfitted this source unit with 24-bit DAC for pure, detailed sonic reproduction and our Digital Z-Enhancer and Sound Restorer signal processing. The result is a source unit that offers all the features you want, combined with stunning sonic performance.

Experience your music like never before

DXZ676USB

CD/USB/MP3/WMA/AAC RECEIVER/CeNET CONTROL



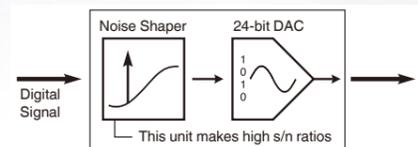
- CD-R/RW ready • MP3, WMA and iTunes® AAC compatible with ID3-TAG display • Rear USB connector • Maximum track capacity: 65,025 (255 tracks in 255 folders) • 18 FM, 6 AM station presets • iPod® control capability via optional EA1276 • Subwoofer volume control • 24-bit D/A converter • Sound Restorer • Digital Z-Enhancer sound customisation • 2-band parametric equaliser • MAGNA BASS EX dynamic bass enhancement • Built-in High-pass filter & Low-pass filter • 4-channel x 53 watts of MOS-FET amplification • Motorised sloping console • Full dot display with Screensavers • "SLIDETRAK" for dynamic operation • Mobile Phone input and mute • Auxiliary Input with level control • 6-volt/6-channel audio pre-out • CeNET Control of: DVD changer, TV tuner, 6-disc CD changer, and iPod • AUX Bluetooth transceiver BLT370 ready • OEM steering wheel remote wired interface capability • Detachable control panel

24-Bit D/A Converter

Conventional D/A Converters just can't compare to Clarion's 24-Bit DAC with Noise Shaper. The result of years of engineering, this new D/A features a 24-bit D/A Converter combined with incredible 128x over sampling to realise detailed high frequency reproduction and incredible S/N ratios. Experience your favourite music like you've never heard it before.

Sound Restorer

Hear your music the way it was meant to be heard. Clarion's Sound Restorer recreates the high frequency information that is lost during compression. The result is clear and detailed sound - the way it was meant to be heard.



Bluetooth® Ready

Talk on your mobile phone or enjoy your favourite album - wirelessly. Simply connect the BLT370 Bluetooth interface to your DXZ676USB for high quality, wireless audio.



MP3/WMA/iTunes® AAC Compatible with ID3-TAG Display

Formats like MP3 and WMA, are said to be the de facto standard for compression, as well as AAC with higher compression ratio are supported. This facilitates enjoyment of music data downloaded from music stores on the internet. The ID3-TAG display function offers information about the song title, artist, or album name on the screen of your Clarion source unit.

Full-dot LCD Display

The HMI display in the DXZ676USB features a full-dot LCD designed to provide information that is easy-to-read and incredibly detailed.

Digital Z-Enhancer

Clarion's Digital Z-Enhancer controls P-EQ, HPF, and LPF through the DSP, allow you to select from three equalising patterns that emphasise the range of tones in the upper/base regions respectively while maintaining perfect acoustic balance. Furthermore, by adding gain adjustment (HI, MID, LOW) to the 3 equalising patterns, it is now possible to choose from 9 different equalising patterns to customise the sound quality so that it matches your speaker system or music source perfectly.

4 x 53W MOS-FET Power Amplifier

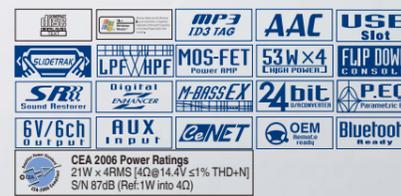
MOS-FET chips, known to have superior performance as power amplifier audio components, are employed in 4 x 53W high power amplifiers. MOS-FETs' linear and low-distortion performance drastically improves S/N ratio at higher frequency ranges, which are more susceptible to noise, allowing the listeners to enjoy sound reproduction ever closer to the original sound as intended by the musician.



Front panel USB puts your music close at hand

DXZ576USB

CD/USB/MP3/WMA/AAC RECEIVER/CeNET CONTROL



- CD-R/RW ready • MP3, WMA and iTunes® AAC compatible with ID3-TAG display • Front USB slot • Maximum track capacity: 65,025 (255 tracks in 255 folders) • 18 FM, 6 AM station presets • iPod® control capability via optional EA1276 • Subwoofer level control • 24-bit D/A converter • Sound Restorer • Digital Z-Enhancer sound customisation • 2-band parametric equaliser • MAGNA BASS EX dynamic bass enhancement • Built-in High-pass filter & Low-pass filter • Built-in amplifier canceller • 4-channel x 53 watts of MOS-FET amplification • Flip-down console • High visibility 2-line display with Screensavers • "SLIDETRAK" for dynamic volume control • Mobile Phone input and mute • Auxiliary input with level control • 6-volt/6-channel audio pre-out • CeNET control of: DVD changer, TV tuner, 6-disc CD changer and iPod • OEM steering wheel remote interface ready • AUX Bluetooth transceiver BLT370 ready • Detachable control panel

Complete iPod Control

Seamlessly connecting to your iPod, the EA1276 delivers complete control of your favourite tunes from your iPod's library through the speakers in the car. Control your iPod via the main unit screen, as if the iPod were a part of your car audio system.



USB Interface (Directly Available) via the Front Slot

International interface standard for connection with peripheral devices, USB (Universal Serial Bus), is supported and USB slot is located on the front. It facilitates connection with a wide range of devices and with USB memories, as well as data transfer of up to 65,025 music files with a simple plug-in.



High-pass/Low-pass Filter

You can set the frequency range of the audio signal that's output to each channel to best match the acoustic characteristics of the front, rear, centre speaker, and subwoofer.

AAC file playback

Thanks to iTunes, keeping your music library in order is simple. In 2007, all Clarion source units with a USB port support playback of all major audio file formats via USB or CD. Just Copy, Paste & Play - with Clarion's USB Connector, accessing your music collection is just that easy. Enjoying your digital music has never been so simple!

Bluetooth

The design of the BLT370 makes it compatible with all new 2007 CD source units. Now all can enjoy hands-free communication from your mobile phone and streaming audio for any compatible device. Clarion even offers a solution for your iPod Mini, Video and Nano.



SLIDETRAK

Clarion takes H.M.I. to the next level with SLIDETRAK for precise control of key features on the main unit. Simply swipe your fingertip to easily adjust the volume. Preset radio stations and CD track controls are also incorporated into the multifunctional display, so you can navigate through preset stations or select your favourite music track by sliding your finger to a side of the display. SLIDETRAK also maximises available space on the main unit to create a large, easy-to-read display.

Sound Restorer

Compression formats like MP3, WMA and AAC achieve more efficient compression by sacrificing high frequency range above 10KHz. "Sound Restorer" complements this lost content by way of extracting harmonic overtone elements from the compressed data and reproduction quasi equal to the original.



The new DXZ476MP features Clarion's new Shooting Star DCP design. We've gathered all the frequently used controls and put them as close as possible to the driver for ease of operation. Organising the controls on the left side of the DCP allows for a large easy to read display. This enables the driver to see station or track information with minimal distraction from the road. Additionally, a precision rotary volume knob is centrally located for optimum control from either the driver or passenger side seat. Clarion combines form, functionality, and style with our Shooting Star design.

Your music never looked so good

DXZ476MP

CD/MP3/WMA RECEIVER / CeNET CONTROL

CEA 2006 Power Ratings
21W x 4RMS [4Q@14.4V, s1% THD+N]
S/N 87dB (Ref:1W into 4Q)



- CD-R/RW ready • MP3 and WMA compatible with ID3-TAG display • 18 FM, 6 AM station presets • iPod® control capability via optional EA1276 • Subwoofer volume control • Z-Enhancer sound customisation • MAGNA BASS EX dynamic bass enhancement • Built-in High-pass filter & Low-pass filter • Built-in amplifier canceller • 4-channel x 50 watts amplification • Flip-down console • High visibility 2-line display with Screensavers • Mobile Phone input and mute • Front-panel auxiliary Input • 4-volt/4-channel audio pre-out • CeNET Control of: DVD changer, TV tuner, 6-disc CD changer and iPod® • OEM steering wheel remote wired interface ready • AUX Bluetooth transceiver BLT370 ready • Detachable control panel

High-pass/Low-pass Filter

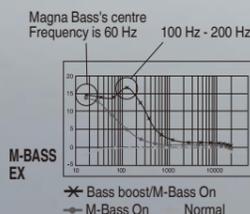
You can set the frequency range of the audio signal that's output to each channel to best match the acoustic characteristics of the front, rear, centre speaker, and subwoofer.

iPod Control

Seamlessly connecting to your iPod, the EA1276 delivers complete control of your favourite tunes from your iPod's library through the speakers in the car. Control your iPod via the main unit screen, as if the iPod were a part of your car audio system.

Front Panel Auxiliary

Who would have thought that something so simple could be so useful? All Clarion CD source units feature an auxiliary input, but the 1,3 & 4 series units put it right on the front panel. Plug in your portable music player and enjoy music the way it was meant to be heard.



High Visibility Display

The 13-Segment, 2-line display on the DXZ-476MP makes using your source unit easier than ever. With the ability to display text characters as well as numbers, you can just as easily see the name of the track that is playing or check the time. And with its high contrast white on black design, it's easy to see under any lighting conditions.

Bluetooth

The design of the BLT370 makes it compatible with all of the new 2007 CD source units. Now everyone can enjoy hands-free communication from their mobile phone or stream audio from compatible devices. Clarion even offers a solution for your iPod Mini, Video and Nano.



Advances in HMI design take many forms. The new DXZ376MP through DB176MP feature our new Shooting Star control panel design. Shooting Star puts all the controls as close as possible to the driver and allows for a larger, easier to read LCD display that contains more information. A centrally located rotary volume knob punctuates this advanced design.

Sound quality and unique style...



DXZ376MP

CD/MP3/WMA RECEIVER / CeNET CONTROL

CEA 2006 Power Ratings
21W x 4RMS [4Q@14.4V, s1% THD+N]
S/N 87dB (Ref:1W into 4Q)

- CD-R/RW ready • MP3 and WMA compatible with ID3-TAG display • 18 FM, 6 AM station presets • iPod® control capability via optional EA1276 • Subwoofer volume control • Z-Enhancer sound customisation • MAGNA BASS EX dynamic bass enhancement • Built-in High-pass filter & Low-pass filter • Built-in amplifier canceller • 4-channel x 50 watts amplification • High visibility single line display with Screensavers • Mobile Phone input and mute • Front-panel auxiliary input with level control • 4-volt/4-channel audio pre-out • CeNET control of: DVD changer,

- TV tuner, 6-disc CD changer and iPod • OEM steering wheel remote wired interface capability • AUX Bluetooth transceiver BLT370 ready



DB176MP

CD/MP3/WMA RECEIVER

CEA 2006 Power Ratings
21W x 4RMS [4Q@14.4V, s1% THD+N]
S/N 87dB (Ref:1W into 4Q)

- CD-R/RW ready • MP3 and WMA compatible with ID3-TAG display • 18 FM, 6 AM station presets • Z-Enhancer sound customisation • MAGNA BASS EX dynamic bass enhancement • 4-channel x 50 watts amplification • High visibility single line display with Screensavers • Mobile Phone input and mute • Front-panel auxiliary input with level control • 2-channel audio pre-out • AUX Bluetooth transceiver BLT370 ready

Bluetooth

Hands-free calls on your mobile phone supports safe driving. Wireless pairing with the source unit enables you to make calls using your car's system. Furthermore, pairing your iPod allows you to play music and control your iPod via your car stereo system without the need for a cord.

MP3, WMA and ID3-TAG

Both models handle MP3 and WMA digital audio files, and both support ID3-TAG coding for display of title info. This popular feature makes it possible to enjoy up to 12 hours of music with CD sound quality.



SHOOTING STAR AUDIO CONTROLLER : Safer control of your audio system via buttons designed to associate with an Image of Shooting Stars

Advances in HMI design take many forms. The new DB176MP through DXZ476MP feature our new Shooting Star control panel design. Shooting Star puts all the controls as close as possible to the driver and allows for a larger, easier to read LCD display that contains more information. A centrally located rotary volume knob punctuates this advanced design. Thanks to the "one touch" design of the shooting star concept, when you reach for the controls, your hand won't obscure the display while you're changing tracks or making adjustments.



Bluetooth® technology allows hands-free operation of your mobile phone via a wireless connection to provide safer communication while on the road. Speak with your hands firmly on the wheel and the other party will hear you. You, likewise, hear the person you are talking to from your car's speakers. What's more, our Bluetooth® ready iPod® cradle lets you listen to and control the music from your iPod® via the BLT hands free car kit.

Bluetooth technology in the car makes communication and entertainment easier and safer



BLT370

Bluetooth AUDIO/MOBILE-PHONE TRANSCEIVER FOR AUX INPUT

- Headset and hands-free profile
- Bluetooth Audio-streaming and remote-control capability
- Bluetooth audio transmitter DGL370 ready
- Built-in microphone for hands-free use
- Convenient sunvisor mount

*Compatible with MAX676VD, VRX776VD, VRX576USB, VRX376USB, DXZ776USB, DXZ676USB, DXZ576USB, DXZ476MP, DXZ376MP, DXZ276MP and DB176MP

Transmitter

Transmits digital media player audio output through Bluetooth-Audio-Streaming (A2DP) to the receiver. Compatible with iPod cradle or minijack input for all kinds of portable players.

DGL370

Bluetooth AUDIO TRANSMITTER



Cradle

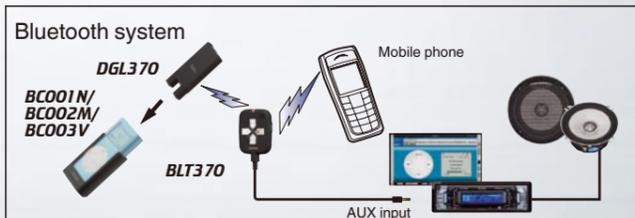
Docking cradle for Bluetooth audio transmitter DGL370. Available for iPod Nano "BC001N", Mini "BC002M" & Video "BC003V"

BC001N/BC002M/BC003V

CRADLE FOR iPod nano/mini/Video

iPod® & Bluetooth®

The lineup features iPod cradles to match a diverse range of iPods including iPod nano, iPod mini, and iPod with video. Just slide the iPod into the iPod cradle and set up the iPod dongle that emits a Bluetooth signal and you are ready to easily listen to music from your iPod on your car stereo.



Direct iPod connection



| | | | |
|---|---|---|---|
| MAX676VD | VRX776VD | VRX576USB | VRX376USB |
| CCA673 iPod video connecting cable | CCA673 iPod video connecting cable | CCA691 iPod video connecting cable | CCA691 iPod video connecting cable |
| CCA670 iPod connecting cable | CCA670 iPod connecting cable | | |

CeNET - iPod Interface

Interfaces to enjoy complete control of your iPod

Interfaces to enjoy iPods with simple operation as with CD Auto-changers



EA1276

iPod CONNECTING UNIT FOR DXZ776USB, DXZ676USB, DXZ576USB, DXZ476MP, DXZ376MP and DXZ276MP



EA1251

iPod CONNECTING UNIT FOR WXZ466MP and HX-D2

*Compatible with '06 or older CeNET Models

From the clean and simple look of the DUB276MP, to the feature laden, high-tech DFZ667MC, we've got your 2-DIN solution. Features like Music Catcher II, front-panel auxiliary inputs, SD card slots and 728 color button illumination to seamless music integration with all your compressed digital music - nobody does 2-DIN like Clarion.

An image of urban nights through the refinement of light and form

DFZ667MC

2-DIN CD/SD/MP3/WMA RECEIVER/CeNET CONTROL



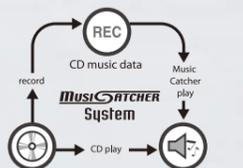
- 728-variable colour
- Music Catcher II CD recorder and SD slot
- iPod® control capability via optional EA1276
- Digital Z-Enhancer
- MAGNA BASS EX dynamic bass enhancement
- 18FM, 6AM station presets
- 4-channel x 50 watts of MOS-FET amplification
- MP3 and WMA compatible with ID3-TAG display
- CD-R/RW ready
- CeNET control of: DVD Changer, TV tuner, 6-disc CD changer and iPod®
- 4-channel audio pre-out
- Front panel auxiliary input
- Active screensavers



Compatibility with a Wide Range of Media



Music Catcher II "4 Speed" Digital Recording



The essence of audio is alive in its design



WXZ466MP

2-DIN 6-DISC CD/MP3/WMA RECEIVER / CeNET CONTROL



- 18FM, 6AM station presets
- 4-channel x 50 watts of MOS-FET amplification
- MP3 and WMA compatible with ID3-TAG display
- CD-R/RW ready
- VF display with Spectrum analyser and Screensavers
- CATS: Theft prevention system with personal code
- CeNET Control of: DVD changer, TV tuner, 6-disc CD changer and iPod
- 4-channel audio pre-out
- Auxiliary input with level control
- CeNET iPod interface compatible (EA1251 is required)

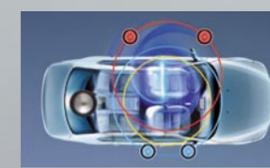
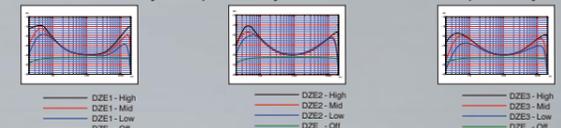


Built-in 6-disc CD Changer & MP3/WMA File Playback



Digital Z-Enhancer

Clarion's Digital-Z Enhancer controls P-EQ, HPF, and LPF through the DSP, allowing you to select from three equalising patterns that emphasise the range of tones in the upper/base regions respectively while maintaining perfect acoustic balance. Furthermore, by adding gain adjustment (HI, MID, LOW) to the 3 equalising patterns, it is now possible to choose from 9 different equalising patterns to customise the sound quality pattern so that it matches your speaker system or music source perfectly.



Listening Position Optimiser (LPO)

The WXZ466MP's Listening Position Optimiser uses digital processing to virtually adjust the speaker distance, enabling sound stage settings to accommodate a wide variety of different types of vehicles. So no matter what type of car you drive, you can count on Clarion to drive your sound with high precision.

| seat position | setting | Right | | | | Left | | | | | | |
|---------------|-----------------------|--------------------|--------|----------|--------|----------|--------|----------|-----------------|-----------------------|------|----|
| | | Distance | Sample | Distance | Sample | Distance | Sample | Distance | Sample | | | |
| R | LPO 1 for compact car | 10cm | 13 | 40cm | 52 | L | 10cm | 13 | LPO 2 for sedan | 10cm | 13 | |
| | | 40cm | 52 | 80cm | 104 | | 40cm | 52 | | 80cm | 104 | |
| | L | LPO 3 for 1box car | 10cm | 13 | 160cm | 208 | R | 10cm | 13 | LPO 1 for compact car | 10cm | 13 |
| | | | 160cm | 208 | 10cm | 13 | | 160cm | 208 | | 10cm | 13 |

CASSETTE RECEIVER

AX330

CASSETTE RECEIVER/C-BUS CONTROL



- C-BUS 6-CD changer control(DC625)
- Z-Enhancer
- Auto reverse
- 4-channel x 40 watts amplification
- 20FM, 5AM station presets
- Green Illumination
- Rotary volume control



Z-Enhancer

Three types of sound quality patterns are pre-set for easy selection. Boost the bass only, the treble only, or both, with the level of boost adjustable by the user.



DCZ625

6-DISC CD C-BUS CHANGER

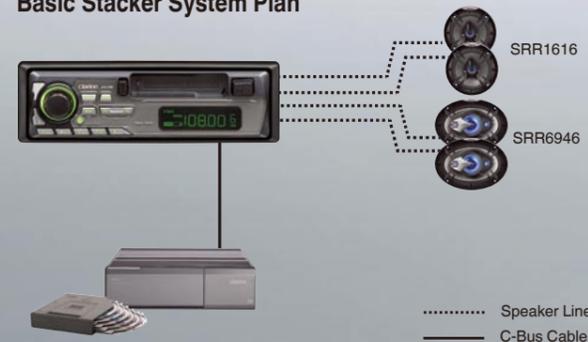
- 6-disc magazine • CD-R/RW ready
- 8 x oversampling digital filter • Horizontal or vertical mounting capability
- Fibre optical digital output

DC625

6-DISC CD C-BUS CHANGER

- 6-disc magazine • CD-R/RW ready • Horizontal or vertical mounting capability

Basic Stacker System Plan



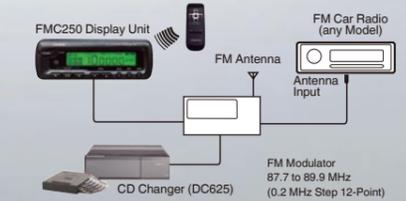
FMC250

CD CHANGER CONTROLLER WITH FM MODULATOR

- Play/Pause selector
- Repeat play • Random/Scan play • Track search
- Disc selector • Software controlled setup • Flush mounting bracket included

CD sound on any FM car radio

The FMC250 controls a Clarion CD changer and plays back the sound via your FM car radio no matter which brand. The FMC250 hideaway unit connects between your FM radio antenna input and the car antenna. Simply tune your radio anywhere from 87.7 to 89.9 MHz (0.2 MHz step 12- point) and listen to superior Hi-Fi CD sound in full stereo from the connected Clarion CD changer.



CD Changer specifications

| | DCZ625 | DC625 |
|----------------------------|------------------------|------------------------|
| Wow/Flutter (WRMS) | Below measurable limit | Below measurable limit |
| S/N Ratio (dB) | 105 | 105 |
| Frequency response (Hz) | 95 | 95 |
| Dynamic range (dB) | 5 to 20,000 | 5 to 20,000 |
| Harmonic distortion (%) | 0.01 | 0.01 |
| Dimensions (W x H x D), mm | 225 x 63 x 167 | 225 x 63 x 167 |

Source unit feature comparisons

| | | | HX-D2 | DXZ776USB | DXZ676USB | DXZ576USB | DXZ476MP | DXZ376MP | DB176MP | DUB276MP/276MPW | WXZ466MP | DFZ676MC | FBZ76BT | |
|------------------------------|---|--------------------------------|------------------------------|---|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-----------------------------------|------------------------------|------------------------|------|
| MEDIA | CD-R/RW ready | CD-R/CD-RW | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| | Compressive audio media (MP3/WMA/AAC) via disc slot | MP3 | - | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| | | WMA | - | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| | | AAC | - | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| | USB slot | MP3 | - | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| WMA | | - | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| AAC | | - | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| SD slot | MP3 | - | - | - | - | - | - | - | - | - | - | ● | ● | |
| | WMA | - | - | - | - | - | - | - | - | - | - | ● | ● | |
| Built-in Bluetooth | Headset and hands-free profile | - | - | - | - | - | - | - | - | - | - | - | ● | |
| | Audio-streaming and remote-control profile | - | - | - | - | - | - | - | - | - | - | - | ● | |
| TUNER | Station presets | - | 18FM/6AM | 18FM/6AM | 18FM/6AM | 18FM/6AM | 18FM/6AM | 18FM/6AM | 18FM/6AM | 18FM/6AM | 18FM/6AM | 18FM/6AM | 18FM | |
| | Variable band width | - | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| AUDIO | Subwoofer level control | - | - | Y (in AUDIO MODE) | Y (in AUDIO MODE) | Y (in AUDIO MODE) | Y (in AUDIO MODE) | Y (in AUDIO MODE) | Y (in AUDIO MODE) | - | - | - | - | |
| | D/A converter quality | - | Burr Brown 24-bit | 24-bit | 24-bit | 24-bit | 1-bit | 1-bit | 1-bit | 1-bit | 1-bit | 24-bit | 1-bit | |
| | Sound Restorer | - | ● | ● | ● | - | - | - | - | - | - | - | - | |
| | Z-Enhancer sound customisation | - | - | - | - | ● | ● | ● | ● | ● | - | - | ● | |
| | Digital Z-Enhancer sound customisation | - | ● | ● | ● | - | - | - | - | - | ● | ● | - | |
| | Digital time alignment control | ● | ● | - | - | - | - | - | - | - | - | - | - | |
| | X-over | ● | (2WAY or 3WAY) | - | - | - | - | - | - | - | Listening Position Optimiser | Listening Position Optimiser | - | |
| | Parametric equaliser | - | 5 BAND | 3 BAND | 2 BAND | 2 BAND | - | - | - | - | Graphic Equaliser (9band-G-EO) | 2 BAND | - | |
| | MAGNA BASS EX (50Hz, 10dB BOOST) depend on volume level | - | - | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| | Built-in HPF | ● | THROUGH/50Hz/80Hz/120Hz | 50Hz/80Hz/120Hz/THROUGH | 50Hz/80Hz/120Hz/THROUGH | 120Hz/THROUGH | 120Hz/THROUGH | - | - | - | - | - | - | |
| Built-in LPF | ● | THROUGH/16Hz-250Hz 1/3oct STEP | 50Hz/80Hz/120Hz/THROUGH | 50Hz/80Hz/120Hz/THROUGH | 50Hz/80Hz/120Hz/THROUGH | 50Hz/80Hz/120Hz/THROUGH | - | - | - | - | - | - | | |
| Built-in amplifier canceller | ● | ● | ● | ● | ● | ● | - | - | - | - | - | - | | |
| High power | - | MOS-FET 4 x 53W | MOS-FET 4 x 53W | MOS-FET 4 x 53W | 4 x 50W | 4 x 50W | 4 x 50W | MOS-FET 4 x 50W | MOS-FET 4 x 50W | MOS-FET 4 x 50W | MOS-FET 4 x 50W | 4 x 50W | | |
| Rated power | - | 4 x 31W (DIN45324, +B=14.4V) | 4 x 31W (DIN45324, +B=14.4V) | 4 x 31W (DIN45324, +B=14.4V) | 4 x 25W (DIN45324, +B=14.4V) | 4 x 25W (DIN45324, +B=14.4V) | 4 x 25W (DIN45324, +B=14.4V) | 4 x 25W (DIN45324, +B=14.4V) | 4 x 25W (DIN45324, +B=14.4V) | 4 x 27W (DIN45324, +B=14.4V) | 4 x 27W (DIN45324, +B=14.4V) | 4 x 17W | | |
| APPEARANCE | Motorised sloping console/Flip-down console | - | ●/- | ●/- | ●/- | ●/- | - | - | - | - | - | - | ● | |
| | Display and button illumination colour | - | 728 Variable | WHITE | WHITE | WHITE | WHITE | WHITE | WHITE | 728-Variable | WHITE | 728-variable | 728 Variable (display) | |
| | Display character | - | VF display | FULL DOT | FULL DOT | 13seg x 10 x 2-line | 13seg x 10 x 2-line | 13seg x 8 | 13seg x 8 | 13seg x 8 | VF display with Spectrum Analyser | LCD | Dot Matrix | |
| | Contrast/brightness adjustment | - | ●/- | ●/- | ●/- | ●/- | ●/- | ●/- | ●/- | ●/- | ●/- | ●/- | ● | |
| | Screensaver | - | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | - | |
| | Message information | - | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | - | |
| | Dimmer (Display / button) | - | ● | ● | ● | ●/- | ●/- | ●/- | ● | ● | ● | ● | ● | |
| | Rotary volume control | - | - | - | - | - | - | - | - | - | - | - | - | |
| | SLIDETRACK for dynamic operation | - | - | - | - | - | - | - | - | - | - | - | - | |
| | Phone mute | - | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | - | |
| CONNECT | Auxiliary input | - | REAR 2ch | REAR 2ch | REAR 2ch | REAR 2ch | Front | Front | Front | Front | REAR 2ch | Front | Rear 2ch | |
| | Audio input sense | - | (LOW/MID/HI) | (LOW/MID/HI) | (LOW/MID/HI) | (LOW/MID/HI) | (LOW/MID/HI) | (LOW/MID/HI) | (LOW/MID/HI) | (LOW/MID/HI) | (LOW/MID/HI) | (LOW/MID/HI) | - | |
| | Audio pre-out voltage | - | Max. 6V | 6V | 6V | 6V | 4V | 4V | 2V | 2V | 2V | 2V | 2V | |
| | Audio pre-out | - | 8ch | F2ch+R2ch+SW2ch(gold)(NORMAL) or H12ch+MID2ch+SW2ch(3way) or H12ch+MID2ch+Rear2ch(2way) | F2ch + R2ch + SW2ch | F2ch + R2ch + SW2ch | F2ch + R2ch | F2ch + R2ch | F2ch + R2ch | R2ch | F2ch + R2ch | F2ch + R2ch | F2ch + R2ch | R2ch |
| | Extension | - | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| EXTENSION | CeNET CD changer control | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | - | |
| | CeNET DVD changer control | - | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | - | |
| | CeNET TV tuner control (ANALOGUE) | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | - | |
| | CeNET iPod interface EA1276 control | ● | (EA1251) | ● | ● | ● | ● | ● | ● | ● | ● | ● | - | |
| | AUX Bluetooth unit BLT370 ready | - | - | - | - | - | - | - | - | - | - | - | - | |
| OTHERS | Mobile Phone input | - | AUX | AUX | AUX | AUX | AUX | AUX | AUX | AUX | - | - | - | |
| | Remote control included | ● | ●(RCB176) | ●(RCB176) | ●(RCB176) | ●(RCB176) | ●(RCB176) | ●(RCB176) | ●(RCB176) | ●(RCB176) | ●(RCB176) | ●(RCB176) | - | |
| | Remote control sensor | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | - | |
| | OEM steering wheel remote wired interface capability | - | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | - | |
| | Detachable control panel | - | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | - | |
| CATS for anti-theft | - | - | - | - | - | - | - | - | - | - | - | - | | |
| Blinking LED | - | Y (INNER ES PACK ILLUMI) | Y (INNER ES PACK ILLUMI) | Y (INNER ES PACK ILLUMI) | Y (INNER ES PACK ILLUMI) | Y (INNER ES PACK ILLUMI) | Y (INNER ES PACK ILLUMI) | Y (INNER ES PACK ILLUMI) | Y (INNER ES PACK ILLUMI) | Y (INNER ES PACK ILLUMI) | Y (INNER ES PACK ILLUMI) | Y (INNER ES PACK ILLUMI) | | |