	DXZ946MP	DXZ846MC	DXZ746MP	DXZ646MP	DXZ546MP	DB346MP	DB246	ADB341MP	DNZ637MP	ADZ625	ADX6655z	ADX5655z	AXZ610	AX430	AX330	AB230	HX-D2	HX-D1	DRX9255EXL	VXZ646
TUNER																				
Bands	FM3/AM1	FM3/AM1	FM3/AM1	FM3/AM1	FM3/AM1	FM3/AM1	FM3/AM1	FM3/AM1	FM3/AM1	FM3/AM1	FM3/AM1	FM3/AM1	FM3/AM1	FM3/AM1	FM4/AM1	FM4/AM1	FM3/AM1	FM3/AM1	FM3/AM1	FM3/AM1
Number of Presets	18/6	18/6	18/6	18/6	18/6	18/6	18/6	18/6	18/6	18/6	18/6	18/6	18/6	18/6	20/5	20/5	18/6	18/6	18/6	18/6
Seek Up/Down Tuning	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Station Title Memory	●	●	●	●	●			●	●	●	●	●	●							●
Instant Station Recall (ISR)	●	●	●	●	●	●	●	●	●	●	●	●	●	●						●
CD																				
8-Times Oversampling Digital Filter	●	●	●	●	●	●	●	●	●	●	●	●					●	●	●	●
Track Music Search	●	●	●	●	●	●	●	●	●	●	●	●					●	●	●	●
Audible FF/FB	●	●	●	●	●	●	●	●	●	●	●	●					●	●	●	●
Random Play/Intro Scan/Repeat	●	●	●	●	●	●	●	●	●	●	●	●					●	●	●	●
Last Position Memory	●	●	●	●	●	●	●	●	●	●	●	●					●	●	●	●
D/A Converter	24-Bit	1-Bit	24-Bit	1-Bit	1-Bit	1-Bit	1-Bit	1-Bit	1-Bit	1-Bit	1-Bit	1-Bit					DUAL 24-Bit	DUAL 24-Bit	DUAL 20-Bit	24-Bit
Auto Reload After 15 Seconds	●	●	●	●	●	●	●	●	●	●	●	●					●	●	●	●
Eject Capability with Key Off	●	●	●	●	●	●	●	●	●	●	●	●					●	●	●	●
Low-Vibration Suspension System	●	●	●	●	●	●	●	●	●	●	●	●					●	●	●	●
3-Beam Laser Tracking System	●	●	●	●	●	●	●	●	●	●	●	●					●	●	●	●
Disc Title Memory	●	●	●	●	●			●	●	●	●	●								●
CD Text	●	●	●	●	●			●	●								●	●		●
0-Bit Detector™ Mute Circuit	●	●	●	●	●	●	●	●	●	●	●	●						●	●	●
CD-R/CD-RW Ready	●	●	●	●	●	●	●	●	●	●/–	●/–	●/–					●	●/–	●/–	●
MP3/WMA Decoder	●	●	●	●	●	●		●/–	●											
MD																				
Track Music Search									●											
Intro Music Scan									●											
Last Position Memory									●											
Random Play									●											
MDLP									●											
CASSETTE																				
Full-Logic Tape Transport								●		●	●	●	●	●						
Auto Reverse								●		●	●	●	●	●	●	●				
Dolby B Noise Reduction										●	●	●	●							
Eject Capability with Key Off								●		●	●	●	●	●	●	●				
Hard Permalloy Head								●		●	●	●	●	●						
Blank Skip/Scan/Repeat								●		●	●	●	●	●						
Auto Programme Control (APC)								●		●	●	●	●	●						
Tape EQ Selector (Metal)								AUTO		AUTO	AUTO	AUTO	AUTO	AUTO						
AUDIO																				
Rotary Volume Control	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●
Sound Adjusting System	AC-III	ADF	ADF	Z-EhcrPLUS	Z-EhcrPLUS	Z-ENHANCER	Z-ENHANCER	PEQ	DSF&PEQ	DSF&EQ	Z-ENHANCER	Z-ENHANCER	BEAT EQ	Z-ENHANCER	Z-ENHANCER	Z-ENHANCER	PEQ&T.Align			Z-EhcrPLUS
Tone Control Bypass	●	●	●	●	●			●					●				●			
Loudness Control	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●				●
Line Output	6ch	6ch	6ch	6ch	4ch	4ch	2ch	2ch	2ch	4ch	4ch	4ch	4ch	2ch			8ch	4ch	4ch	6ch
Non-Fade Output	●	●	●	●													●			
AUX Input	●	●	●	●	●			●	●				●				RCA4ch	●		●
Centre Speaker Output (RCA)	●																			
Subwoofer Control	●	●	●	●	●												●			●
4-Volt Line Level Output	6ch		6ch														● (MAX 8V)	● (MAX 9V)	● (MAX 9V)	
Maximum Power Output	53Wx4	53Wx4	53Wx4	52Wx4	52Wx4	50Wx4	50Wx4	50Wx4	50Wx4	50Wx4	45Wx4	45Wx4	45Wx4	50Wx4	40Wx4	40Wx4	–	–	–	52Wx4
DSP/EQ																				
Time Alignment Control	●																●			
Seat Position Select	●																			
Virtual 5.1 ch System (Dolby Pro Logic II)	●																			
Virtual Space Enhancer	●																			
Parametric Equaliser	3-Band	2-Band	2-Band	2-Band	2-Band			3-Band	2-Band				3-Band				5-Band			2-Band
Sound Field DSP									BASIC-5	BASIC-5										
Graphic Equaliser										BASIC-4										
High Pass Filter (Front/Rear/Centre)	●																●			
Low Pass Filter (Subwoofer)	●	●	●	●	●												●			●
APPEARANCE																				
Variable Colour Display		80C	728C	80C					728C											
Escutcheon Mechanism	Auto Slope	Auto Slope	Auto Slope	Flip Down				Flip Down					Flip Down							
Contrast Adjustment	●	●	●	●	●			●	●											●
Spectrum Analyser	●							●		●		●								
Screen Saver	●	●	●	●	●	●	●	●	●											●
Double Illumination		Variable	Variable	Variable					Variable										●	
Aluminium Faceplate	●	●	●	●	●	●	●						●							
Detachable Control Panel (DCP)	●	●	●	●	●	●	●						●	●						●
EXTENSION																				
BUS	CeNET	CeNET	CeNET	CeNET	CeNET				CeNET	CeNET	CeNET	CeNET	CeNET	C-BUS	C-BUS		CeNET	CeNET	C-BUS	CeNET
CeNET TV Tuner Hide-Away Control	●	●	●	●	●				●	●	●	●	●				●			●
CeNET DVD Changer Control	●	●	●	●	●				●								●			●
CeNET dts/AC3 Hide-Away Control	●		●																	●
CeNET CD Changer Control	●	●	●	●	●				●	●	●	●	●				●	●		●
C-Bus CD Changer Control														●	●				●	
INCLUDED PARTS																				
Remote Control	●	●	●	●	●	●	OP		●	●	●	●	●	●			●			●
DCP Carrying Case	●	●	●	●	●	●	●						●	●						●

Multimedia Centres

Model	VRX935VD	VRX746VD	VRX835	VRX610P
Screen Size	7-inch wide	7-inch wide	7-inch wide	6.5-inch wide
Display Type	TN LCD	TN LCD	TN LCD	TN LCD
Drive Principle	TFT active matrix	TFT active matrix	TFT active matrix	TFT active matrix
Number of Pixels	336,960	336,960	336,960	280,800
VCR Video Input	1.0±0.2 Vp-p (input impedance 75 Ω)	1.0±0.2 Vp-p (input impedance 75 Ω)	1.0±0.2 Vp-p (input impedance 75 Ω)	1.0±0.2 Vp-p (input impedance 75 Ω)
VCR Audio Input	130±60 m Vrms	130±60 m Vrms	130±60 m Vrms	—
Power Requirements	DC 14.4 V	DC 14.4 V	DC 14.4 V	DC 14.4 V
Current Consumption (approx.)	4.0 A	4.0 A	4.0 A	4.0 A
Weight	1.9 kg	2.4kg	1.9 kg	1.7 kg
Dimensions (W×H×D) mm	178×50×165 178×37.5×290.5(hide-away unit)	178×50×165	178×50×165 209.5×37.5×178 (hide-away unit)	178×50×157
DVD				
Useable Discs	DVD Video Disc	DVD Video Disc		
Frequency Response	20 Hz to 22 kHz (48 kHz)(+1 dB/-1 dB)	20 Hz to 22 kHz (48 kHz)(+1 dB/-1 dB)		
Distortion	0.01 %	0.02 %		
Analogue Output	●			
CD				
Wow/Flutter (WRMS)	Below Measurable Limit	Below Measurable Limit	Below Measurable Limit	
S/N Ratio (dB) 1 kHz			80 dB (1 kHz) IHF-A	
Frequency	20 Hz to 20 kHz (+1 dB/-1 dB)	20 Hz to 20 kHz (+1 dB/-1 dB)	17 Hz to 20 kHz (+1 dB/-1 dB)	
Dynamic Range (dB) 1 kHz	100 dB	100 dB	80 dB	
Harmonic Distortion (%)	0.01 %	0.02 %	0.02 %	
AUDIO				
Maximum Power Output	53 W X 4	53 W X 4	48 W X 4	40 W X 4

Colour LCD Monitors

Model	OHMD74	OHM74	VMA7194	VMA5894
Screen Size	7-inch	7-inch	7-inch	5.8-inch wide
Drive Principle	TFT active matrix	TFT active matrix	TFT active matrix	TFT active matrix
Number of Pixels	336,960	336,960	336,960	280,800
Power Requirements	DC 12 V	DC 12 V	DC 12 V	DC 12 V
Current Consumption (approx.)	1.5 A	1.5 A	0.8 A	0.8 A
Weight	1.6 kg	1.4 kg	1.1 kg	1.1 kg
Dimensions (W×H×D) mm	232×336×31.5	216×300×31.5	270×310×150 (W/Stand) 270×230×46 (W/0 Stand)	188×130×36

Model	TVX6651	TB741P	TB742P	TB743W
Screen Size	6.5-inch	7-inch wide	7-inch wide	7-inch wide
Drive Principle	TFT active matrix	TFT active matrix	TFT active matrix	TFT active matrix
Number of Pixels	280,800 (400x234x3)	336,960	336,960	336,960
Power Requirements	DC 13.2V (10.8-15.6V)	DC 14 V	DC 14 V	DC 14 V
Current Consumption (approx.)	1.5 A	3.0 A	3.0 A	3.0 A
Weight	1.8 kg	1.8 kg	1.8 kg	1.8 kg
Dimensions (W×H×D) mm	178×50×157	178×50×160	178×50×160	178×50×160

DVD CENTRE

	Model	VXZ646
Tuner	FM : (MHz) 0.05 MHz steps	87.0 ~ 108
	AM : (kHz) 9 kHz steps	531 ~ 1,629
DVD/VCD /CD	Wow / Flutter	Below measurable limit
	Signal-To-Noise Ratio	96 dB
	Frequency Response	20 ~ 44,000 Hz
	Dynamic Range	96 dB
	Harmonic Distortion	0.02 %
Audio	Maximum Power Output	52 W x 4
General	Weight	1.7 kg
	Dimensions (W×H×D) mm	178 x 50 x 156.5

AM/FM CD Centres

	Model	DXZ946MP	DXZ846MC	DXZ746MP	DXZ646MP	DXZ546MP
Tuner	FM : (MHz) 0.05 MHz steps	87.0 ~ 108	87.0 ~ 108	87.0 ~ 108	87.0 ~ 108	87.0 ~ 108
	AM : (kHz) 9 kHz steps	531 ~ 1,629	531 ~ 1,629	531 ~ 1,629	531 ~ 1,629	531 ~ 1,629
CD	Signal-To-Noise Ratio	100 dB	100 dB	100 dB	100 dB	100 dB
	Frequency Response	5 ~ 20,000 Hz	5 ~ 20,000 Hz	5 ~ 20,000 Hz	5 ~ 20,000 Hz	5 ~ 20,000 Hz
	Dynamic Range	95 dB	95 dB	95 dB	95 dB	95 dB
	Harmonic Distortion	0.01 %	0.01 %	0.01 %	0.01 %	0.01 %
Audio	Maximum Power Output	53 W x 4	53 W x 4	53 W x 4	52 W x 4	52 W x 4
General	Weight	1.7 kg	1.6 kg	1.3 kg	1.3 kg	1.2 kg
	Dimensions (W×H×D) mm	178×50×155	178×50×155	178×50×157	178×50×157	178×50×155

	Model	DB346MP	DB246	HX-D2	HX-D1	DRX9255EXL
Tuner	FM : (MHz) 0.05 MHz steps	87.0 ~ 108	87.0 ~ 108	87.0 ~ 108	87.5 ~ 108	87.5 ~ 108
	AM : (kHz) 9 kHz steps	531 ~ 1,629	531 ~ 1,629	531 ~ 1,629	531 ~ 1,629	531 ~ 1,629
CD	Signal-To-Noise Ratio	100 dB	100 dB	100 dB	110 dB	110 dB
	Frequency Response	10 ~ 20,000 Hz	10~ 20,000 Hz	5 ~ 20,000 Hz	5 ~ 20,000 Hz	5 ~ 20,000 Hz
	Dynamic Range	95 dB	95 dB	96 dB	100 dB	100 dB
	Harmonic Distortion	0.01 %	0.01 %	0.002 %	0.005 %	0.005 %
Audio	Maximum Power Output	50 W x 4	50 W x 4	–	–	–
General	Weight	1.1 kg	1.1 kg	1.8kg	1.6 kg	1.8 kg
	Dimensions (W×H×D) mm	178×50×155	178×50×155	178×50×155	178×50×182	178×50×155

AM/FM Cassette Centres

	Model	AXZ610	AX430	AX330	AB230	ARB1970
Tuner	FM : (MHz) 0.05 MHz steps	87.5 ~ 108	87.0 ~ 108	87.5 ~ 108	87.5 ~ 108	87.0 ~ 108
	AM : (kHz) 9 kHz steps	531 ~ 1,629	531 ~ 1,629	531 ~ 1,629	531 ~ 1,629	531 ~ 1,629
Tape	Wow & Flutter	0.06 %	0.08 %	0.08 %	0.08 %	0.1 %
	Metal Tape, No NR	58 dB	58 dB	58 dB	58 dB	53 dB
	Metal Tape, 70μs	30 – 20,000 Hz	30 – 20,000 Hz	30 – 20,000 Hz	30 – 20,000 Hz	30 – 15,000 Hz
Audio	Maximum Power Output	45 W x 4	50 W x 4	40 W x 4	40 W x 4	50 W x 4
General	Weight	1.7 kg	1.5 kg	1.3 kg	1.3 kg	1.1kg
	Dimensions (W×H×D) mm	178×50×155	178×50×155	178×50×155	178×50×155	178×50×155

2-DIN AM/FM CD/Cassette Centres & 2-DIN AM/FM CD/MP3/WMA/MD Centre & 2-DIN AM/FM CD/MP3/Cassette Centre

	Model	ADZ625	ADX5655z	ADX6655z	DMZ637MP	ADB341MP
Tuner	FM : (MHz) 0.05 MHz steps	87.5 ～ 108	87.5 ～ 108	87.5 ～ 108	87.5 ～ 108	87.5 ～ 108
	AM : (kHz) 9 kHz steps	531 ～ 1,629	531 ～ 1,629	531 ～ 1,629	531 ～ 1,629	531 ～ 1,629
Tape	Wow & Flutter	0.06 %	0.06 %	0.06 %		0.06 %
	Signal-To-Noise Ratio					
	Metal Tape, No NR	58 dB	58 dB	58 dB		58 dB
	Metal with Dolby B NR	67 dB	67 dB	67 dB		67 dB
	Frequency Response					
	Metal Tape, 70 μs	30 – 20,000 Hz	30 – 20,000 Hz	30 – 20,000 Hz		30 – 20,000 Hz
	Wow & Flutter (unmeasurable)	Below measurable limit	Below measurable limit	Below measurable limit		Below measurable limit
CD	Signal-To-Noise Ratio	100 dB	100 dB	100 dB	100 dB	100 dB
	Frequency Response	10 – 20,000 Hz	10 – 20,000 Hz (±1 dB)	10 – 20,000 Hz (±1 dB)	10 – 20,000 Hz	10 – 20,000 Hz
	Dynamic Range	95 dB	95 dB	95 dB	95 dB	95 dB
	Harmonic Distortion	0.01 %	0.01 %	0.01 %	0.01 %	0.01 %
Audio	Maximum Power Output	50 W ×4	45 W ×4	45 W ×4	50 W ×4	50 W ×4
General	Weight	2.6 kg	2.6 kg	2.5 kg	2.6 kg	2.1 kg
	Dimensions (W×H×D) mm	178×100×155	178×100×155	178×100×155	178×100×155	178×100×156.5

Processor

Model	DVH940
Signal-To-Noise Ratio	95 dB (IEC-A, LPF22K)
Distortion	THD+N 0.01 % (LPF22K)
Separation	80 dB (LPF22K)
Input Sensitivity	RCA SENSE, LOW=2 V, MID=1.2 V, HIGH=0.6 V
Subwoofer Cut Off Frequency	50 Hz, 80 Hz, 120 Hz
Subwoofer Level Control	SP-GAIN, SUB-W➠ ±10 dB (1 dB/step) A-MODE, SUB-W➠-6 (18 dB)～+3 dB (6 dB)
Max. Output Voltage	4 Vrms
Input Impedance	47 kΩ
Output Impedance	300 Ω
Power Requirement	NA
Parametric-EQ Number of Bands	3-BAND x 3 (Front/Rear/Centre)
Q	1 ～ 20 (5 points)
Equaliser Centre Frequency Range:	
Front & Rear	20, 25, 31.5, 40, 50, 63, 80, 100, 125, 160, 200, 250, 315, 400, 500, 630, 800, 1k, 1.25k, 1.6k, 2k, 2.5k, 3.15k, 4k, 5k, 6.3k, 8k, 10k, 12.5k, 16k, 20k
Centre	Same as Front/Rear
Subwoofer	NA
Perametric-EQ Boost/Cut Range	±12 dB
Time Correction Control Range	Centre 0 ～ 5 ms (1 ms/step) Rear 0 ～ 15ms (1 ms/step)
Frequency Response	20 ~ 44,000 Hz (±1 dB)
Weight	0.95 kg
Dimensions (W×H×D) mm	230×25×170

MP3 ID3 Tag

MP3 decoding	
Mpeg1 (ISO/IEC 11172-3)	Fs: 32 kHz, 44.1 kHz, 48 kHz Bit Rate: 64/80/96/112/128/160/192/224/256/320 kbps ※1 VBA ※4, ※5
Mpeg2 (ISO/IEC 13818-3)	Fs: 16 kHz, 22.05 kHz, 24 kHz Bit Rate: 40/48/56/64/80/96/112/128/144/160 kHz ※1 VBA ※4, ※5
Channel Mode	Joint Stereo, Stereo, Mono ※3
Folder structure	Parents-Child Sorting
No. of folders	128
No. of files	254
No. of characters for folder displey	16
No. of characters for file displey	28
MP3 ID3 Tag Version Supported	Version 1.X, 2.X
No. of characters for ID3 Tag Info. (Artist name, Aibum name & Title name)	28

※1. For acceptable sound quality,a bit rate of 112 kbps or more is recommended.
※2. Depending on the used encoder,noise may occur at the beginning or end of the tune.
※3. Playable channel modes are joint stereo,stereo, and mono.
※4. Recommended bit rate for VBR is 64 kbps-320kbps.
※5. For tunes recorded using VBR, the displayed track timemay differ slightly from the actual length.

DVD/VCD/CD Changers

	Model	VCZ625	DCZ625V	DC625	DCZ625
DVD/VCD /CD	Wow/Flutter	Below measurable limit	Below measurable limit	Below measurable limit	Below measurable limit
	Signal-To-Noise Ratio	90 dB	105 dB	105 dB	105 dB
	Frequency Response	20 – 20,000 Hz	5 – 20,000 Hz (±1 dB)	5 – 20,000 Hz (±1 dB)	5 – 20,000 Hz (±1 dB)
	Dynamic Range	95 dB	95 dB	95 dB	95 dB
	Harmonic Distortion	0.02 %	0.01 %	0.01 %	0.01 %
General	Weight	2.2 kg	1.7 kg	1.7 kg	1.7 kg
	Dimensions (W×H×D) mm	230×83×183	225×63×167	225×63×167	225×63×167

Amplifiers

Model	APA4320	APA2160	APA450	APA250	APA4300HX
Maximum Power Output	640 W	320W	400 W	200 W	600 W
Continuous Average Power Output (4 Ω, 20 Hz – 20,000 Hz @ 0.05 % THD)	320 W (80 W×4)	160 W (80 W×2)	200 W (50 W×4)	100 W (50 W×2)	300 W (75 W×4)
Typical 2 Ω Stereo @ 0.2 % THD	115 W×4	125 W×2	100 W×4	100 W×2	
Typical Bridged Power 1 kHz @0.2% THD	230W×2	250W×1			
Bass Extender Control	0 –15 dB @ 45 Hz	0 –15 dB @ 45 Hz			0 – 12 dB @ 40 – 120 Hz
Variable Crossover Frequency	55 – 550 Hz, 12 dB/oct.	55 – 550 Hz, 12 dB/oct.	50 – 250Hz, 12 dB/oct.	50 – 250 Hz, 12 dB/oct.	50 – 200 Hz
Bridgeable Channel Operation	4/3/2	2/1	4/3/2	2/1	4/3/2

FEATURE ICONS

Maltimedia/Main Units

5.1ch Surround
The unit is compatible with Dolby Digital and dts to support 5.1ch audio. Comprised of five channels (Left, Right, Centre, Rear Left and Rear Right) plus a dedicated low-frequency channel for a subwoofer, this system reproduces the sound of movies and music with "being there" reality.

Dolby Pro Logic II
Dolby Pro Logic II enables superior surround sound and positioning compared to the former version of surround system. More sophisticated decoding process maximises the effect of surround sound from the source encoded with Dolby surround. In addition to that, Dolby Pro Logic II is designed to get 5.1ch sound effect from any 2ch software, which means you can enjoy perfect surround sound even if the software is in conventional stereo recording. "Phantom mode" is also available in which quasi 5.1ch sound field is reproduced from 4 speaker system, without centre speaker.

DVD Video Playback
The unit is compatible with the DVD Video format so you can watch DVD software in your car.

dts Control
Units with this logo are designed for connection and complete control of the external Clarion hide-away dts/Dolby Digital & Pro Logic II

2 Zone Entertainment
Function that allows people in the front and back seats to enjoy separate visual or audio entertainment sources.

Music Catcher System
Freely record, play and erase tunes using a built-in memory. It can store up to about 80 tunes (in LP mode) as high quality files.

MP3/WMA
With decoders for both MP3 and WMA (Windows Media Audio), you can play either type of ripped or downloaded audio file. Also supports ID3 Tag for display of metafile information. With digital compression, these formats enable up to 12 hours of music to be fit onto a single CD-R/RW while delivering CD-level quality.

CD-R & CD-RW
Capability to playback CD-R/RW audio discs you have recorded at home.

High Power
With its powerful amplifier IC, Clarion has significantly raised the power limit in the realm of car audio. This improves dynamics and eliminates distortion across the entire frequency spectrum.

AC-Processor III
Advanced digital sound processing technology including Time Alignment Control to adjust the time delay among speakers, VSE (Virtual Space Enhancer) to digitally correct irregular reflection and polarisation, Parametric EQ to adjust the equalisation of each frequency band independently, and Anti-Distortion Filter to restore lost dynamics in MP3 and WMA files.

Time Alignment Control
Lets you easily adjust the time delay among the speakers to best suit your interior simply by choosing the type of your car (sedan, mini-van, etc.).

VSE (Virtual Space Enhancer)
Lets you digitally compensate for irregular reflection, polarisation, and other acoustic problems that may accompany your car's interior.

Parametric EQ
Lets you adjust the equalisation of each frequency band independently for the front, centre, and rear speakers.

Anti-Distortion Filter
Eliminates phase distortion in high and low frequencies and emphasises the natural frequency characteristics of the sound, for natural flat response and clear details.

Low Pass and High Pass Filters
A filter that passes signals below a cut-off frequency (LPF) or above a cut-off frequency (HPF), used to optimise the signal for high or low frequency reproduction.

Z-Enhancer Plus
Powerful bass and a fresh, crystal-clear treble. Adjustment for 3 different sound settings can be made in easy steps.

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.

Magna Bass EX
Boosts the bass range in the vicinity of 50 Hz by nearly 10 dB, so the bass comes through loud and clear even if you're listening at low volume.

24-Bit D/A Converter
Clarion's D/A converter requantises the 16-Bit data from CDs into 24-Bit data for the delicate representation of rich musical tones.

Loop Back Circuit
Allows the built-in amplifier to amplifier the signal from an external unit. Possible to connect the DVH940 for 5.1ch surround to enjoy DSP sound without an external amplifier.

Rotary Volume Control
Adjusting the volume is easily done since you do not need to take your eyes off the road when turning the knob, thus ensuring safety while driving. The rotary control also has a retractable feature found on some models with RRC symbol which allows you to retract the button when the system is not in use.

Aluminium Face
Face panel is made of 2 mm thick, pure aluminium injected by Clarion's precision processing technology. The luxurious appearance gives a refined touch to your car interior.

Variable Colour Display
This LCD lets you mix RGB (Red /Green /Blue) levels to create the background colour (DXZ746MP :728 colours ;DXZ846MC, DXZ646MP :80 colours). The control buttons on the faceplate automatically change colours to match the

Optimedia Display
Innovative GUI offers remarkably detailed graphics with its 16-gradation full-dot LCD. You can even drag and drop the function buttons to customise the display just the way you like it.

Touch Panel Operation
The viewscreen is touch-sensitive and displays buttons and icons on-screen, enabling touch panel control of all major system functions including audio, radio, changer control as well as 5.1ch surround sound settings.

CeNET
CeNET is a high-speed network for complete control of your car multimedia system. With CeNET, you can control components over a single network and easily add new functionality to your car multimedia system by simply connecting CeNET-compatible components.

Auto Dimmer
Automatically dims the displays brightness when the headlights are turned on so that the display is not a distraction during night time driving.

Message Information
On select Main Units, you can display your own customised messages up to 30-characters. Messages are displayed when the unit is turned on or off.

Subwoofer Control
All main units have a dedicated subwoofer level control to give your more control over your system's bass performance. This even includes a low-pass crossover which, when selected (50Hz/80Hz/120Hz selectable), turns the rear channel RCA line level outputs into dedicated subwoofer outputs.

Audio 2 Zone
Lets you divide your in-car entertainment into 2 discrete zones, so the people up front can be listening to the radio while those on the back seat watch a movie on DVD.

Beat EQ
Unlike conventional tone control which can adjust bass and treble only, Beat EQ features three-band parametric equaliser which can control treble, middle and bass separately. Also, three pre-programmed patterns are prepared for easy setting (BASS BOOST, IMPACT and EXCITE).

RGB
The touch panel recognises RGB signals only. Combined with a navigation system, an RGB-signal compatible monitor delivers superior image quality.

Audio Output
All units with this logo have audio outputs for external amplifires. Some units with 4V output logo have high 4V audio output for high-quality sound. In addition, some Clarion units have Non-fade output for Subwoofer, and also selectable Loop Back Circuit for hide-away dts / Dolby Digital & Dolby Pro Logic II Decoders DVH940.

CD Text
When a CD Text compatible CD is played, the artist name and tracks recorded on the CD are shown on the LCD screen.

Detachable Control Panel
To prevent theft and damage to your car entertainment system, the control panel can be detached from the unit and taken with you when leaving the car.

AUX Input
Accepts input signal from external unit.

TV Tuner Control
Unit with this logo can be connected with hide-away TV Tuners such as TTX7504z/7501z/7503z.

DVD Easy Control
DVD Easy Control, coupled with CeNET components, allows the following possibilities: • Scene / Title FF / FB • Play / Pause • Volume control: General / Centre / Sub-woofer • Audio muting • Balance and Fader control

CD Changer Control
A 6-disc CD changer can be controlled from the main unit.

5.1ch Decoder Control
Allows direct control of all functions on DVH940 5.1ch Digital Surround Processor.

VCD Compatibility
VCD can be played back on the unit.

RDS (Radio Data System)
Clarions expanded RDS receiver offers all basic reception functions with efficient switching to other broadcast frequencies when the signal deteriorates or for programme interruptions by traffic announcements or PTY switching. This enables station search for specific programme types (e.g. news and music styles). EON (Enhanced Other Networks) is a useful further development of the Radio Data System. This function switches to important announcements, even when they are being transmitted by another station.

Speakers

Water-Resistant Cone
Water-resistant cones prevent sound-quality deterioration caused by moisture. Door mounting is possible without further protection.

Titanium-Coated Polypropylene Cone / Aluminium-Coated Polypro-pylene Cone
Clarion's high-rigidity, lightweight polypropylene cones have an ideal internal loss for woofers, and by treating these cones with a layer of titanium or aluminium, these speaker cones are able to offer increased rigidity, sharp response and high reliability.

Metallised MIPP Cone
Injection moulded diaphragms use polypropylene compound with mica particles blended. Metallised MIPP cone provides additional rigidity while maintaining lightness for superior dynamic response.

Mica Polypropylene Mixed Injection Cone
These injection moulded diaphragms use polypropylene with mica particles blended in, with a molecular structure that radiates from the inside out, to attain the lightness and rigidity necessary to create speakers with superior response even to the fast transients of digital sources.

Rubber Surrounds
The rolled edge of the diaphragm provides superior response, while its butyl material is highly durable and moisture resistant. The result is a special rubber surround that cuts distortion and further improves linearity.

Glass Fibre Cone
Featured on our high-end HX series and In-Phase coaxial series.

PEI Balanced Drive
The novel design features an integrated PEI diaphragm and voice coil bobbin. This design reduces the mass, and given the optimum induction conditions in the magnetic gap, the result is a dramatic improvement in dynamic range.

Rear-Vented Pole Piece
To prevent pressure from building up inside the centre cap and causing increased amplitude distortion, a vent is provided on the rear of the pole piece, resulting in completely smooth cone movement, which contributes to the open, airy sound of the speakers.

Large Strontium Ferrite Magnet
Offers all the benefits of the strontium magnet, and boosts the sonic reproductive power by using a large sized Strontium Ferrite magnet in the driver.

Powerful Strontium Magnet
A high-conductivity magnet is used in Clarion's speaker systems to obtain an air-gap magnetic flux density significantly higher than that obtained from ferrite magnets. Combining this magnet with the heat-resistant voice coil results in speakers that are able to deliver powerful playback at large inputs with improved damping while maintaining the integrity of the digital source.

Dual 4-Ohm Voice Coil
Clarion's systems use dual voice coils to deliver perfect playback of large-amplitude bass. These coils also provide high sensitivity and excellent performance for digital audio and other large input sounds.

Dual Neodymium Magnet
While extremely compact, the neodymium magnet also has very high magnetic energy (BHmax). The powerful magnetic field and minimum magnetic distortion deliver effortless sound.

Variable Angle Tweeter in Coaxial Speakers
Unlike conventional 2-way speakers, these feature a tweeter that is adjustable for angle and can be aimed for precise high frequency imaging. When coaxial speakers are mounted in the most common door locations, the high frequencies are beamed at the driver and passenger's feet, reducing high frequency response and spatial imaging. By changing the angle so that the tweeter sends high frequencies to the listener's ears, high frequency response is increased, and spatial imaging is dramatically improved.

Wide-Range 80kHz Silk Dome Tweeter / WideRange 120kHz Silk Dome Tweeter
Uses soft silk dome diaphragms and high-power magnets to achieve rich expressiveness.
Offers up to 80kHz or 120kHz maximum reproduction for crystalline highs.

Silk-Cloth Soft Dome Tweeter
Clarion's high-end tweeters use soft laminated The suppleness of silk, strengthened by the lamination layer, provides natural, finely detailed sound. These tweeters offer superb transient response, even at very low input levels, and can faithfully reproduce delicate pianissimo passages.

Lead-Free Solder
Solder used in product manufacturing is lead-free to help protect the environment.

Inline Network
Allows speaker output level adjustment in three steps (0dB/-6dB/-12dB).