

Clarion®

@Vintagecarradio.se
CAR AUDIO & BEYOND



@Vintagecarradio.se



2000

vintagacararadio.se

@Vintagecarradio.se



4x40W



MONITOR: TUNER: AUDIO: GENERAL: SECURITY:

CeNET

In order to meet the high standards of the multimedia age, Clarion has taken the networking of individual car infotainment components one step further. Our solution is called Ce NET.

First of all, we've integrated a 16-bit CPU into our control units to provide data transfer speeds of 17 kbps. This makes child's play of displaying moving graphics, for example, and ease of use of data-intensive equipment such as a hide-away DAB tuner.

Linking individual audio and video components is simple with Plug&Play. The control unit detects each newly connected component automatically, and attaches it in series behind the previous component. For example, using a Ce NET cable, you can link a new digital DPH7500z sound processor to your existing equipment. The only exceptions are CD and MD changers, which must be the final component in the chain. Of course, you can also use a Y cable to attach multiple changers, which can be selected through use of a special switching unit.

A further highlight of Ce NET is bi-directional, symmetric 3 V signal transfer. Positive and negative sound signals are compared in a differential amplifier in order to filter out any distorted frequencies. This technique, which has been in use for years in sound studios, gives Clarion Ce NET extremely high quality sound, without break-up or distortion.

Today's highlights from Ce NET equip Clarion car entertainment to meet the challenges of tomorrow. Come what may.



VRX6570Rz

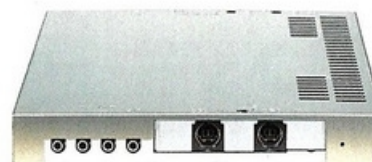
Full-DIN RDS-PRO Radio/Monitor Combination with Ce NET Control



DAH9500z

Hide-Away DAB Tuner (Ce NET Compatible)

DAB
Digital Audio Broadcasting
Hoe-Away Unit



TTX7502z

Hide-Away TV Tuner for PAL Reception (Ce NET Compatible)

CeNET Hoe-Away Unit

TTX7503z

Identical to the TTX7502z, but prepared for both Secam and PAL reception.



DPH7500z

Digital Sound Field Processor with Optical Digital Inputs and Outputs (Ce NET Compatible)

CeNET RCA 6ch Hoe-Away Unit

@Vintagecarradio.se



auto connect
Issue 1, 2000
Score: Very good value for money

NAX9500E
Hybrid Navigation System



YMA85B2

7.0" PAL/NTSC Monitor for multiple applications

TELE ATLAS Tele Atlas
INTELLIGENT MAPS It is possible to load CD-ROMs with maps for other countries in the Clarion Navigation System. These discs together with updated maps are available from the Tele Atlas Navigation Service Centers. Call one of these numbers for more information:

- Germany 01 80/5 23 48 00
- France 01/55 21 25 05
- Italy 02/80 66 30 03
- Belgium 070/23 34 08
- The Netherlands 020/5 82 94 91
- Great Britain 01 81/2 30 31 88

Navigation Accessories

CCA-398
A/V Extension Cable
8-Pin ↔ 8-Pin, 2 m

CCA-417
RGB Extension Cable,
5 m

CCA-369
RCA Converter Cable,
30 cm

SPB-602
Monitor Speaker
for NAX9500E

RCB-123
Remote Control Sensor
for NAX9500E



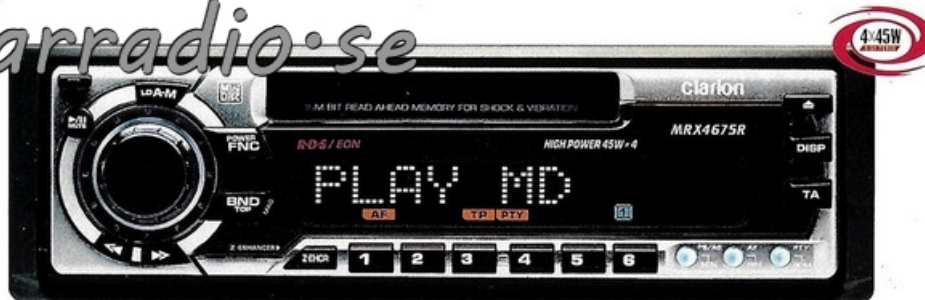
MRX8675Rz

RDS-PRO Radio MD Combination
with Ce NET Control

MD: TUNER: AUDIO: GENERAL:

SECURITY:

@Vintagecarradio.se



MRX4675R

RDS-PRO Radio MD Combination
with CD/MD Changer Control (C-Bus)

MD: TUNER: AUDIO: GENERAL: SECURITY:

MiniDisc

MiniDisc is an ideal digital media for recording and playback of sound thanks to its sturdiness, compact format and direct access to any track. As such, Clarion MD radio combinations and MD changers are perfect for the best sound on the road. Moreover, the 4 MB anti-shock memory ensures that the sound continues to play without interruption even when driving on rough roads.



@Vintagecarradio.se



DRX960RZ

Provisional availability: June 2000

RDS-PRO Radio CD Combination with Integrated Digital Sound Field Processor and Ce NET Control

CD: 24 Bit TUNER: RDS-PRO AUDIO: 6ch-4V GENERAL: SECURITY:

SECURITY:



DRX8675Rz

RDS-PRO Radio CD Combination with Ce NET Control

CD: TUNER: RDS-PRO AUDIO: 6ch-4V GENERAL:

SECURITY:



DRX6675Rz

RDS-PRO Radio CD Combination with CD/MD Changer Control via Ce NET

CD: TUNER: RDS-PRO AUDIO: 4ch GENERAL:

SECURITY:



Motorised or Flip-Down Front Panel With Flat-Screen Display
Clarion has designed the CD/MD tray or cassette slot to sit behind the front panel in order to leave sufficient space for a large, easy-to-read display. On the top model DRX960RZ, the motorised front panel glides open when the Open button is pressed, and it is possible to set a desired reading angle. On the other models with flip-down console, the front panel can be released and folded down mechanically.



DRX5675R

RDS-PRO Radio CD Combination with CD/MD Changer Control (C-Bus)

CD: TUNER: RDS-PRO AUDIO: 4ch GENERAL:

SECURITY:



DRX4675R

RDS-PRO Radio CD Combination with CD/MD Changer Control (C-Bus)

CD: TUNER: RDS-PRO AUDIO: 4ch GENERAL:

SECURITY:



DRB3675R

RDS-PRO Radio CD Combination

CD: TUNER: RDS-PRO AUDIO: 2ch GENERAL:

SECURITY:



DRB3675RB

Apart from the blue positive display and red key illumination, functions and performance of this model are identical to those of the DRB3675R.

4x45W 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.



Rotary Controller

The newly developed rotary controller on Clarion's popular models ensure quick and safe operation. Turn the controller to adjust volume or select a PTY pattern. Other important operations can be easily adjusted using the buttons positioned around the controller in combination with the Rotary Controller itself.

@Vintagecarradio.se



4x45W

**ADX5655Rz**

Double-DIN RDS-PRO Radio CD Cassette Combination with Ce NET Control

2-DIN CD: CASSETTE: TUNER: RDS-PRO AUDIO: RCA 2ch

GENERAL: CeNET MD BAS CONTROL TV CONTROL SECURITY: CODE



4x45W

ARX8670Rz

RDS-PRO Radio Cassette Combination with Ce NET Control

CASSETTE: TUNER: RDS-PRO AUDIO: RCA 6ch 4V GENERAL: SECURITY: CODE

CeNET MD BAS CONTROL TV CONTROL SECURITY: DCP



4x45W

ARX6670Rz

RDS-PRO Radio Cassette Combination with CD/MD Changer Control via Ce NET

CASSETTE: TUNER: RDS-PRO AUDIO: RCA 4ch GENERAL: SECURITY: CODE

CeNET MD BAS CONTROL TV CONTROL SECURITY: DCP

4x40W

**ARX5670R**

RDS-PRO Radio Cassette Combination with CD/MD Changer Control (C-Bus)

CASSETTE: TUNER: RDS-PRO AUDIO: RCA 2ch GENERAL: SECURITY: DCP

4x40W

**ARX4670R**

RDS-PRO Radio Cassette Combination with CD/MD Changer Control (C-Bus)

CASSETTE: TUNER: RDS-PRO AUDIO: RCA 2ch GENERAL: SECURITY: DCP



Z-Enhancer (Adjustable)
Easy to operate tone correction for dynamic expansion to bring you a crisp, powerful bass and a fresh, crystal-clear treble. Adjustment for 3 different sound settings can be made in small steps.

Z-Enhancer (Fixed)
Select from any of 3 preset sound settings for quick and simple adjustment of bass and treble.

4x40W

**ARX4670RB**

Apart from the blue positive display and red key illumination, functions and performance of this model are identical to those of the ARX4670R.

4x35W

**ARB2670R**

RDS-PRO Radio Cassette Combination

TUNER: RDS-PRO GENERAL: SECURITY: DCP

vintagacararadio.se

@Vintagecarradio.se



4x40W

PAC5606

RDS-PRO Radio Cassette Combination
ARX5670R with 6-Disc CD Changer CDC634



4x40W

PAC4606

RDS-PRO Radio Cassette Combination
ARX4670R with 6-Disc CD Changer CDC634

**CDC1255z**

12-Disc CD Changer with Optical Digital Output and
Ce NET Compatible

**CDC655Tz**

6-Disc CD Changer with Optical Digital
Output, CD Text and Ce NET Compatible

**CDC634**

6-Disc CD Changer and C-Bus Compatible

**MDC655z**

6-Disc MD Changer with Optical Digital
Output and Ce NET Compatible

**SRW800**

80 cm Subwoofer
(one speaker)

- 80 cm polypropylene cone woofer
- Resonance-free aluminium die-cast speaker frame
- Symmetrical magnetic circuit principle
- Edgewise voice coil (4 Ω, mono-drive)
- Rear-vented pole piece
- Dual laminated cloth surround
- Gold-plated quick terminals
- Non-oxidising lead wires
- Fs: 17 Hz/Qts: 0.4/Vas: 312.9 litres
- Recommended crossover frequency: 50 Hz
- Efficiency: 97 dB/W/m

**APA4204**

4-Channel High-Power Amplifier

- Continuous average power output: 200 W (4 × 50 W into 4 Ohms, 20 Hz ~ 20 kHz, 0.04% THD)
- Continuous power output (bridged): 2 × 130 W
- Stable down to 1-ohm loads (high current)



4X 90W

APA2104

2-Channel High-Power Amplifier

- Continuous average power output: 100 W (2 × 50 W into 4 Ohms, 20 Hz ~ 20 kHz, 0.04% THD)
- Continuous power output (bridged): 1 × 125 W
- Stable down to 1-ohm loads (high current)



2X 90W

CPA4068

Compact 4-Channel BTL Power Amplifier

- Continuous power output: 68 W (into 4 Ohms)
- Ideal for connection to head units with no built-in amplifier
- Separate input level controls for the front and rear channels

4x40W
HIGH POWER

@Vintagecarradio.se

SRM3091 600W

30 cm Subwoofer
(one speaker)
Frequency response: 18 ~ 1,500 Hz
Efficiency: 93 dB/W/m



SRR1733 150W

16.5 cm Triaxial 3-Way Speakers
(European standard frame)
Frequency response: 28 ~ 30,000 Hz
Efficiency: 91 dB/W/m



SRR1723 120W

16.5 cm Dual-Cone Speakers
(European standard frame)
Frequency response: 28 ~ 25,000 Hz
Efficiency: 91 dB/W/m



SRS1691 200W

16 cm 2-way
Component System
Frequency response: 30 ~ 30,000 Hz
Efficiency: 90 dB/W/m



SRM291 200W

2.5 cm Dome Tweeters
Frequency response: 1,500 ~ 30,000 Hz
Efficiency: 90 dB/W/m



@Vintagecarradio.se

SRR1333 120W

13 cm Triaxial 3-Way Speakers
Frequency response: 40 ~ 28,000 Hz
Efficiency: 91 dB/W/m



SRR1025 100W

10 cm Coaxial 2-Way
Speakers
Frequency response: 45 ~ 25,000 Hz
Efficiency: 90 dB/W/m



SRS1323 150W

13 cm 2-Way
Component System
Frequency response:
40 ~ 30,000 Hz
Efficiency: 90 dB/W/m



SRR6933 160W

15 x 23 cm Triaxial 3-Way Speakers
Frequency response: 28 ~ 30,000 Hz
Efficiency: 92 dB/W/m

SRX6983 200W

15 x 23 cm Dual Concentric Speakers
with Removable Tweeters
Frequency response: 25 ~ 35,000 Hz
Efficiency: 91 dB/W/m



SRR1713 100W

16.5 cm Coaxial 2-Way Speakers
(European standard frame)
Frequency response: 28 ~ 23,000 Hz
Efficiency: 91 dB/W/m

SRX1683 130W

16 cm Dual Concentric Speakers
with Removable Tweeters
Frequency response: 30 ~ 35,000 Hz
Efficiency: 90 dB/W/m



SRX1383 100W

13 cm Dual Concentric Speakers with
Removable Tweeters
Frequency response: 35 ~ 35,000 Hz
Efficiency: 89 dB/W/m

SRS1723 150W

16.5 cm 2-Way Component System
Frequency response: 28 ~ 30,000 Hz
Efficiency: 91 dB/W/m



SRR6923 130W

15 x 23 cm Coaxial 2-Way Speakers
Frequency response: 28 ~ 25,000 Hz
Efficiency: 92 dB/W/m

SRR1323 100W

13 cm Coaxial 2-Way Speakers
Frequency response: 40 ~ 25,000 Hz
Efficiency: 91 dB/W/m

SRR1024 80W

10 cm Coaxial 2-Way Speakers
Frequency response: 50 ~ 25,000 Hz
Efficiency: 90 dB/W/m

SRM203 130W

2 cm Dome Tweeters
Frequency response:
3,000 ~ 30,000 Hz
Efficiency: 91 dB/W/m



SRM2591 500W

25 cm Subwoofer (one speaker)
Frequency response: 20 ~ 1,500 Hz
Efficiency: 92 dB/W/m



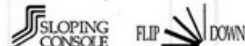


Clarion's expanded RDS receiver offers all basic reception functions with efficient switching to other broadcast frequencies when the signal deteriorates or for programme interruptions by traffic announcements or PTY switching.

This enables station search for specific programme types (e.g., news and music styles). Enhanced Other Networks is a useful further development of the Radio Data System. This function switches to important announcements, even when they're being transmitted by another station.

**4x45W
HIGH POWER** 4 x 45 W 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.



Motorised or Flip-Down Front Panel With Flat-Screen Display

Clarion has designed the CD/MD tray or cassette slot on the head unit to sit behind the front panel in order to leave sufficient space for a large, easy-to-read display. Depending on the model, the front panel slides down at the press of a button or can be released and folded down mechanically.



As the unit cannot operate without its front panel, removing the panel serves as a deterrent to thieves. An additional flashing LED draws attention to this feature.



C-Bus offers an efficient means of connecting the controller to other parts of the system. For example, the C-Bus data cable enables a 6-CD changer to be installed with ultimate ease. The attached changer is operated simply and easily from the control unit.

CD changer control functions
• Play/Pause • Random play (Single disc/Magazine/All discs) • Intro scan/Disc scan • Repeat (Track/Disc/Magazine)
• Track search FF/FB • 2-speed audible search FF/FB

NET connection

With its Ce NET, Clarion is the first on the market to offer a control unit with a 16-bit CPU and a data transfer speed of 17 Kbps. This high-speed bus optimises the interplay of all Clarion components containing a "z" in the model name. Connection is fast and simple by means of a serial cable (cascading). Ce NET's high data transfer rate allows the control of interactive applications such as a DAB or TV tuner. The functions of the attached units are easily controlled from the main unit.

CD changer control functions

• Multi-magazine control (6/12 discs)
• CD title memory/display • Play/Pause
• Random play (Single disc/Magazine/All discs) • Intro scan/Disc scan • Repeat (Track/Disc/Magazine) • Track search FF/FB
• 2-speed audible search FF/FB
• Disc direct access



DSP/EQ Control
All units with this logo are designed for control of the Digital Sound Processor DP47500z.



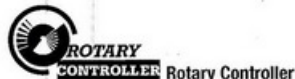
DAB Digital Audio Broadcasting is the radio reception system of the future. All units with this logo are designed for connection and complete control of the external Clarion hide-away DAB tuner DAH9500z via Ce NET.



TV Control
All units with this logo are designed for TV tuner operation. The TV tuner is connected via Ce NET and controlled from the head unit.



Smart Rotary Controller
One for all. In addition to a control for volume and menu functions, there's a rocker switch for station and title searches.



Rotary Controller
The newly developed rotary controller on Clarion's popular models ensure quick and safe operation. Turn the controller to adjust volume or select a PTY pattern. Other important operations can be easily adjusted using the buttons positioned around the controller in combination with the Rotary Controller itself.



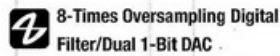
Prism Touch Key
The top models have a Prism Touch Key with different background lighting colours indicate the selected function.



Z-Enhancer (Adjustable)
Easy to operate tone correction for dynamic expansion to bring you a crisp, powerful bass and a fresh, crystal-clear treble. Adjustment for 3 different sound settings can be made in small steps.



Z-Enhancer (Fixed)
Select from any of 3 preset sound settings for quick and simple adjustment of bass and treble.



8-Times Oversampling Digital Filter/Dual 1-Bit DAC
This digital filter raises the noise floor to 8 times its original frequency and shifts the noise beyond the audible frequency spectrum. State-of-the-art dual 1-bit D/A converters with $\Delta-\Sigma$ -modulation replace the usual multi-bit switching circuit. Time delays in signal conversion are eliminated by the use of separate D/A converters for the left and right channels. This technique blocks the occurrence of distortion and reproduces the music signal with extraordinary intensity and fidelity to the original.



Colour Graphics Display
A 64-colour, high-resolution LCD display with high contrast, low heat emission and very strong display lighting. Each function has its own screen which alters complete display with each function.



Double-DIN Format
The new component format for the double-DIN slot. Allows, for example, CD and cassette players in a single unit with additional enlarged display for extra functions such as a spectrum analyser.

	Radio MD		Radio CD					Radio Cassette					
	NR16B70RZ	NR16B70R	DR16B0RZ	DR16B70RZ	DR16B70R	DR16H70R	DR16C70R/B	AD16S0RZ	AR16B70RZ	AR16B70R	AR16S70R	AR16S70R/B	AR16C70R
MD 8-times oversampling digital filter with dual 1-bit DAC Anti shock control MD name and title display	•	•											
CD New CD mechanism with low-vibration suspension 8-times oversampling digital filter with dual 24-bit DAC 8-times oversampling digital filter with dual 1-bit DAC Random play, Intro scan, Repeat (Track/Disc) Track search and 2-speed audible search FF/FB			•	•	•	•	•						
Plays 8 cm discs Auto reload CD-R compatible Simultaneous Track number and Play time display CD-Text ready Title input Zero-Bit Detector™ mute circuit			•	•	•	•	•						
Cassette Full logic controls Power-off pinch roller release Auto reverse Automatic metal tape selector Automatic programme control (APC) Blank skip, Intro scan, Repeat Dolby® noise reduction Radio monitor (during REW/FF)								•	•	•	•	•	•
Tuner RDS-PRO with expanded EON features PLL synthesizer tuner 24 presets (18 FM, 6 MW/LW) Preset Scan (PS) Auto Store (AS) DX/LO switch	•	•	•	•	•	•	•	•	•	•	•	•	•
Audio Newly developed 6-channel preamplifier with selectable stages High power 4 x 45 W High power 4 x 40 W High power 4 x 35 W Z-Enhancer tone control a) Adjustable / b) Fixed Electronic controls for Volume/ Bass/Treble/Balance/Fader Built-in DSP with 3-band PEQ & 7-band GEQ, 6 programmable DSF and SEQ Audio muting Remote controlled muting Loudness Auto loudness			•										
Outputs (Line Out): a) 6-ch. RCA (6 x 4 V) b) 6-ch. RCA (4 x 4 V) c) 4-ch. RCA d) 2-ch. RCA Optical digital input for CD or MD changer	•												
General 64-colour dot matrix LCD 6-colour LED x 1 positions 6-colour LED x 8 positions Multi-colour fluidic light input Blue positive display (8 positions) Smart rotary controller Rotary controller Prism Touch key Advanced centre controller Centre button Ce Net connector for control of a) CD/MD changer b) Hide-away DSP-EQ c) Hide-away DAB tuner d) Hide-away TV tuner C-Bus CD/MD changer control Dimmer for night-time use Cellular telephone input Telephone mute Screensaver options RDS Clock Time (CT) Power antenna connector/ISO connector Sloping console with adjustable angle Flip-down console Infrared remote control a) Included b) Optional	•	•		•				•	•	•	•	•	•
Changer Control Multi-magazine control (6/12 discs) Track number and Play time display CD title memory Random play (Single disc/All discs) Intro scan (Single discs/All discs) Repeat (Track/Disc/Magazine) Track search and 2-speed audible search FF/FB Title list playback CD-Text ready Disc direct access			•	•	•	•	•	•	•	•	•	•	•
Security Detachable control panel with case Theft-prevention indicator (flashing LED) CODE protection	•	•	•	•	•	•	•	•	•	•	•	•	•

Dolby and the double-D symbol [D] are trademarks of Dolby Laboratories Licensing Corporation. Specifications and design are subject to change without notice.

CLARION (GB) LTD.
Unit 1, Marshall Road, Hillmead
Swindon
Wiltshire SN5 9YX
Tel.: 01793 870404
Fax: 01793 875881
www.clarion.co.uk
e-mail: amsales@clarion.co.uk

@Vintagecarradio.se



@Vintagecarradio.se

Your Clarion dealer can tell you more.

UK

Printed in Germany on chlorine-free paper.

vintagacararadio.se