

 **KENWOOD**
STEREO FOR YOUR CAR

KRC-411

SALES MANUAL



CASSETTE RECEIVER

PRODUCT POLICY

Kenwood's entry into the car stereo market and infusion of technology have accomplished a welcome boost in high-fidelity in automobiles. With an impressive array of under-dash and in-dash units, including main amplifiers graphic equalizers, synthesizer tuners, cassette decks, cassette-tuners and cassette receivers as well as speakers, Kenwood engineers have brought to car stereo a degree of audio expertise and operating finesse that has been denied to generations of drivers.

Now, one further step has been taken to make it easier for the up-coming generation of drivers to

enjoy "Stereo for Your Cars". The new KRC-411 is an in-dash cassette-receiver designed to fit in virtually any automobile without dashboard modification. Moreover, where such modifications are necessary, they will invariably be minor.

The KRC-411 naturally provides both the audio performance and operating ease that characterize all Kenwood car stereo models. Its features include computer-guided synthesized tuning, automatic station search, preset memory bank and automatic noise reduction (ANRC). On the tape side, the KRC-411 boasts metal tape capability as well as auto-reverse.

Such features and the overall professional good looks are sure to attract the keen eyes of today's value-seeking driver. To make your job easier, this manual lays it all out clearly for you, so that you will have all the facts at hand ready for when the customer starts asking questions.

SALES POINTS

"World-car" size (only 44mm high) fits all US cars including GM's X-car, and most European and Japanese cars (see chart) without dash modifications.

Precise tuning with quartz synthesizer system that tunes to center of each allocated frequency.

Automatic SEEK tuning searches up the band for the next active channel with each press on the tuning knob.

Preset station memory bank stores up to 5 AM and 5 FM stations for recall at the press of a button.

ANRC (Automatic Noise Reduction Circuit) constantly monitors signal at antenna and adapts tuner accordingly for best possible reception at all times.

Quartz time and frequency display alternates with a press on the Recall (R) button.

Manual tuning needs only a turn to the right or left of the tuning knob to tune to next allocated frequency. Continuous holding finds a particular desired frequency, displayed digitally.

Metal tape capability is activated with ANRC button.

Auto-reverse provides the pleasure and convenience of continuous musical entertainment.

KEY SPECS

Power output of 4 watts per channel minimum continuous average power into 4 ohms, both channels driven, at 1k Hertz, with no more than 1% total harmonic distortion.

Frequency response: **40Hz to 30,000Hz ±3dB**

FM usable sensitivity: **15.3dBf** (1.6μV at 75 ohms)

FM alternate channel selectivity: **65dB**

Stereo separation at 1kHz: **37dB**

Tape frequency response: **63Hz to 12,500Hz ±3dB**

Tape S/N ratio (A weighted): **52dB**

Wow-and-flutter: **0.15%** WRMS

COMPARISON CHART

	<i>KENWOOD KRC-411</i>	<i>ALPINE 7128</i>	<i>SONY XR-50</i>	<i>BLAUPUNKT CR-3001</i>	<i>PANASONIC CQ-S900</i>	<i>PIONEER KEX-20</i>
AM/FM Tuning System	PLL Synthesizer	PLL Synthesizer	PLL Synthesizer	PLL Synthesizer	PLL Synthesizer	Voltage Synthesizer
Auto Tuning	Seek	No	No	Seek/Scan	Seek/Scan	No
Manual Tuning	up and down	up and down	up and down	up and down	up and down	Yes
Preset	5 key 10ch	5 key 10ch	No	6 key 12ch	6 key 12ch	10 ch/FM 5 ch/AM
ANRC	FYes	No	No	Yes	Yes	No
Local/Distance	Yes	Yes	Yes	Yes	Yes	No
Clock	Yes	Yes	Yes	Yes	No	No
Output Power/ T.H.D	4 w/ch at 1%	6 w/ch at 10%	4.5 w/ch at 1%	15 w/ch × 4 at 1%	4 w/ch at 1%	—
Fader	Yes	No	Yes	Yes	Yes	No
Metal Tape Capability	Yes	Yes	Yes	Yes	Yes	Yes
Auto Reverse	Yes	Yes	No	Yes	Yes	No

CAR FITTING CHART

1. All American Small-Size Cars Including X-Body Cars	
Buick Skylark	Yes
Phoenix	Yes
Omega	Yes
2. Most European Cars	Yes
3. Most Japanese Cars	Yes
Body Size mm (W × H × D)	180 × 44 × 123 mm
Nose Size mm (W × H × D)	87 × 35 × 30 mm

INSTALLATION POSSIBILITIES FOR THE RANKING LIST OF VEHICLES IMPORTED INTO THE U.S.A.

	'79	'78	Possibility For Installation of KRC-411 ⊙ (NO MODIFICATION NEEDED)
1. COROLLA	274,934	212,757	⊙
2. DATSUN 210	216,812	133,771	⊙
3. CELICA	172,815	167,366	⊙
4. ACCORD	157,919	120,841	⊙
5. CIVIC	155,541	154,035	⊙
6. RABBIT GASOLINE	139,242	23,017	⊙
7. SUBARU	127,871	103,274	△ NEED TO CUT DASH
8. FIESTA	78,109	76,145	⊙
9. DATSUN 310	75,466	785	⊙
10. MAZDA GLC	72,601	52,877	⊙
11. DATSUN ZX	71,983	64,459	⊙
12. MAZDA RX-7	54,853	19,359	⊙
13. DATSUN 510	53,949	57,826	⊙
14. ARROW	48,860	28,296	○ MINOR MODIFICATION
15. RABBIT DIESEL	47,996	44,594	⊙
16. PRELUDE	39,831	—	⊙
17. CORONA	36,570	34,823	△ NEED TO CUT DASH
18. AUDI 5000	26,076	20,761	⊙
19. SCIROCCO	26,014	28,137	⊙
20. BMW 320	23,604	22,164	⊙
TOTAL:	1,901,046 (81.7%)	1,365,287 (68.3%)	

OPERATING FEATURES

① Frequency or time display

Bright green digits normally show quartz time or frequency when tuning. Tuned frequency is recalled when R button is depressed.

② Auto-reverse

③ 10-channel preset memory bank

Five for AM, five for FM stations. For instant recall, press AM/FM button and then appropriate preset tuning key.

④ Memory entry uses error-proof volume knob-pull system

Also, low back-up current provided by lithium battery keeps memory constantly "alive."

⑤ Auto-tuning (SEEK) mode

Volume knob is depressed for automatic station search up the frequency band.

⑥ Manual tuning up or down band

Turn knob to right or left. Keep holding to find a particular frequency.

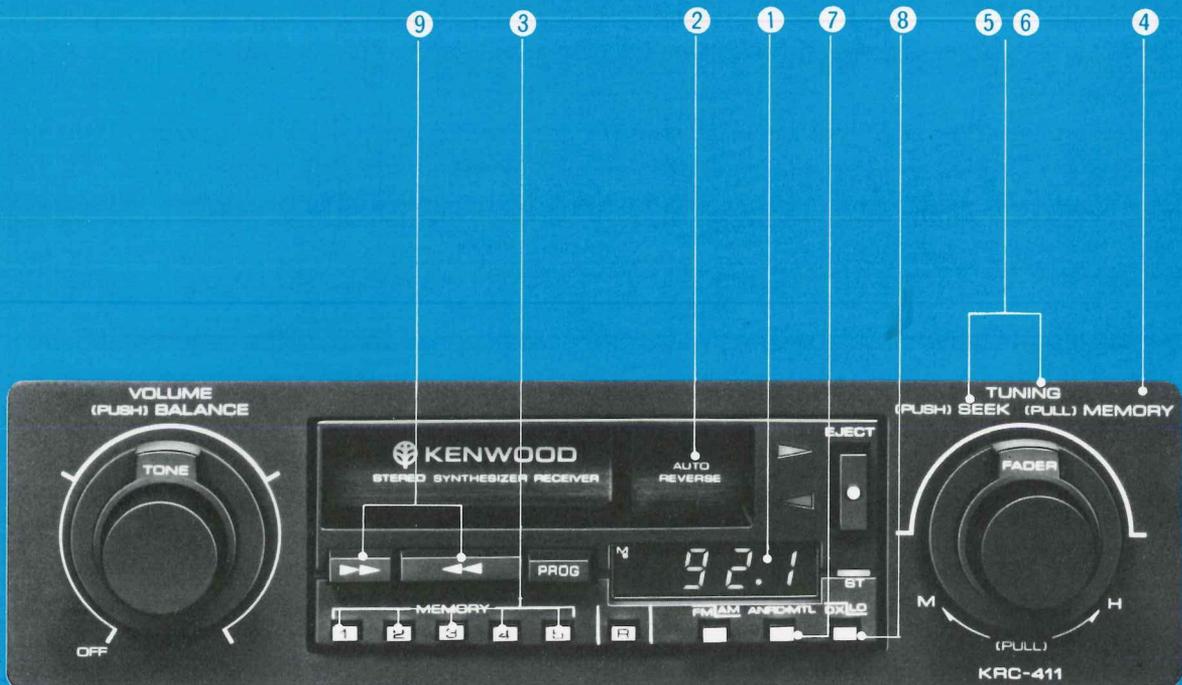
⑦ ANRC (and tape equalizer)

For automatic broadcast reception control. Same button also activates 70 microsecond tape equalization (for metal tape) when depressed.

⑧ Local/DX switch

⑨ Fast feed keys

With lock function to eliminate need to keep finger on key.



SPECIFICATIONS

FM Tuner Section

Usable Sensitivity	15.3dBf (1.6 μ V/75 ohms)
50dB Quieting Sensitivity	19.0dBf (2.44 μ V/75 ohms)
Capture Ratio	1.5dB
Alternate Channel Selectivity	65dB
Stereo Separation	37dB at 1kHz
Image Response Ratio	70dB
IF Response Ratio	75dB
Signal to Noise Ratio	68dB

Tape Player Section

Frequency Response	63Hz to 12,500Hz \pm 3dB
Wow and Flutter	0.15% WRMS
Stereo Separation	37dB
Signal/Noise Ratio (A-weighted)	52dB

Audio Amplifier Section

Power Output	4.0 Watts per channel minimum continuous average power into 4 ohms, both channels driven, at 1kHz, with no more than 1% total harmonic distortion.
Frequency Response	40Hz to 30kHz, \pm 3dB
Operation Voltage	14.4V DC (10.8 - 15.6V Allowable)

Dimensions

W×H×D	180×44×123mm (7-3/32"×1-23/32"×4-27/32")
W×H×D (Nose Size)	96×41.5×30mm (3-15/32"×1-5/8"×1-3/16")
Weight	1.5kg (3.3 lbs)

KENWOOD follows a policy of continuous advancements in development.
For this reason specifications may be changed without notice.

A product of

TRIO-KENWOOD CORPORATION

6-17, 3-chome, Aobadai, Meguro-ku, Tokyo 153, Japan

KENWOOD ELECTRONICS, INC.

1315 E Watsoncenter Rd, Carson, California 90745;
75 Seaview Drive, Secaucus, New Jersey 07094;
1098 North Tower Lane, Bensenville, Illinois 60106, U.S.A.

TRIO-KENWOOD ELECTRONICS, N.V. Leuvensesteenweg 504 B-1930 Zaventem, Belgium

TRIO-KENWOOD ELECTRONICS GmbH

Rudolf-Braas-Str. 20, 6056 Heusenstamm, West Germany
TRIO-KENWOOD FRANCE S.A. 5, Boulevard Ney, 75018 Paris, France

TRIO-KENWOOD SVENSKA AB. Kemistvagen 10A, P.O. Box 68, S-183 21 Taby, Sweden

TRIO-KENWOOD AG

Unterboesch 6331 Huenenberg/ZUG Switzerland TEL: 042-367822

TRIO-KENWOOD (AUSTRALIA) PTY. LTD. 30 Whiting St., Artarmon, N.S.W. 2064, Australia
KENWOOD & LEE ELECTRONICS, LTD.

Wang Kee Building, 5th Floor, 34-37 Connaught Road, Central, Hong Kong

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