



# KENWOOD

STEREO FOR YOUR CAR

# KTC-767

SYNTHESIZER TUNER

## The KTC-767: a high-performance tuner with unique computerized features for a custom car stereo system.

The KTC-767 incorporates computer-guided features that can make human-like decisions for the driver. Synthesized tuning, the Automatic Broadcast Sensor System (ABSS) and Automatic Noise Reduction Circuit (ANRC) are features that

raise Kenwood car stereo above all others. Moreover, its audio performance rivals some of the finest separate tuners available today, making the KTC-767 a perfect choice for the discriminating audiophile's car stereo system.



## A high-performance quartz synthesizer tuner 6

All of Kenwood's famed expertise is behind the superior audio performance of the KTC-767, which boasts specs like 12 dBf FM usable sensitivity, 73 dB signal-to-noise ratio in Mono, 0.2% THD and 80 dB selectivity that provide outstanding audio quality. Tuning is remarkably accurate, thanks to the electronic quartz synthesizer with phase-lock loop that pinpoints each selected frequency at dead-center. Frequencies are indicated digitally on the bright-green LED display that time-shares with a quartz clock readout.



## Automatic Broadcast Sensor System (ABSS) makes human-like decisions 8 11 12

The KTC-767 takes operating chores right out of the driver's hands, with the unique computer-controlled ABSS. This circuit continuously programs the tuner to search for the nearest available FM station in the area when the selected station reception becomes too noisy or weak. The microcomputer also provides full search-and-hold tuning operations using the SCAN button. As each active station is encountered, it is held for 5 seconds for the driver's approval, and can be retained by pressing the STOP position of the SCAN button. Alternatively, the UP/DOWN button speeds up or down the scale directly to the desired frequency — a quick way to locate a favorite station for

storage in the 12-channel (6 FM, 6 AM) memory bank. In all these operations, an audible beep keeps the driver informed of tuning status so there is no need to divert visual attention from the road.

## ABSS

## Extending the FM listening range with Kenwood's Automatic Noise Reduction Circuit (ANRC) 10

The KTC-767's computer really proves its worth in difficult FM listening conditions. By monitoring the signal level at the antenna and adapting the tuner accordingly, the ANRC system in effect maximizes the FM listening range. From full stereo to Blend to monaural mode, ANRC constantly maintains an acceptable listening level for the particular station, but reduces audio output when reception is unacceptably noisy. If FM reception blanks out, as in a long tunnel, the system is designed to activate the cassette deck's Stand-By function.

## ANRC

## More highlights of the KTC-767

### •Manual operating options for the driver 7 9

These include stereo/mono switching, and Local to DX (distance) switching to boost sensitivity. At this time, ANRC can be de-activated.

### •Power antenna facilities

The power switch provides car-battery voltage at a rear terminal to supply power to a power antenna or other system components. Thus, control from the tuner raises the antenna when the KTC-767 is turned on and lowers it when the tuner is turned off. Both control functions and system wiring are thereby simplified.

### •Fader 2

For control of front and rear speaker output.

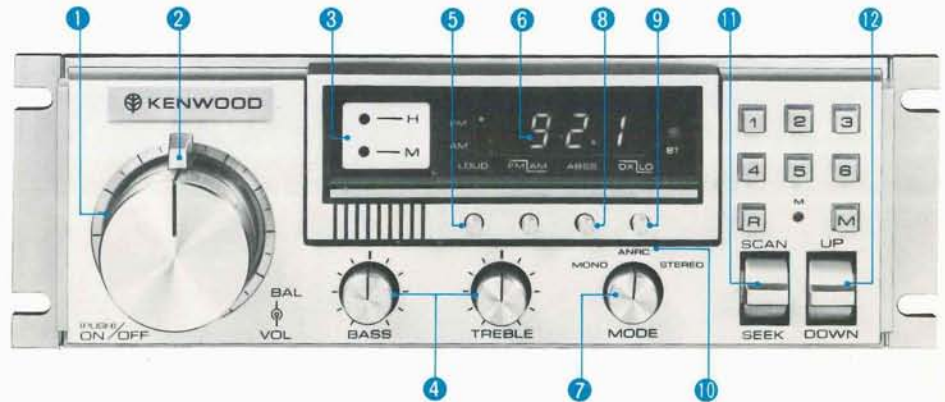
### •Illuminated volume control 1

### •Loudness 5

To boost bass tones at low listening levels.

### •Bass and treble tone controls 4

### •Hours and minutes (H, M) quartz clock adjustment 3



## SPECIFICATIONS

### FM TUNER SECTION

*Usable Sensitivity	12dBf (1.1 $\mu$ V/75 ohms)
*50dB Quieting Sensitivity	18dBf (2.2 $\mu$ V/75 ohms)
*Frequency Response	30Hz to 15kHz $\pm$ 2dB
*Signal to Noise Ratio	73dB (MONO)
*Alternate Channel Selectivity	80dB
*Capture Ratio	1.5dB (Noise Killer off)
*Image Response Ratio	75dB
*IF Response Ratio	90dB
*Stereo Separation	40dB at 1kHz

### AM TUNER SECTION

Sensitivity	30 $\mu$ V
Selectivity	45dB

### AUDIO SECTION

*Tone Action	
Bass (100Hz)	$\pm$ 10dB
Treble (10kHz)	$\pm$ 10dB

### GENERAL

Operation Voltage	DC 13.8V (11—6V Allowable) Negative Ground
Dimensions (W x H x D)	170 x 54 x 165mm (6-11/16" x 2-1/8" x 6-1/2")
Body Size (W x H x D)	150 x 50 x 150mm (5-15/16" x 2" x 5-15/16")
Weight	1.2kg (2.6lbs.)

\*Car Stereo Manufacturers Ad Hoc Committee Specification

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

### Important notice—channel spacing

Kenwood car stereo units with digital readout are designed for use in two areas where different channel spacing applies.

In Europe, FM channel spacing is 50kHz; AM spacing 9kHz.

In U.S.A./Canada, FM spacing is 200kHz; AM spacing 10kHz.

It is important that before purchasing a digital readout unit, you should first confirm the official channel spacing of the area where you will be using it.

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

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