

KENWOOD TIPS

Using the KCA-RC800AV to control the LZ-700W and P907

The illustration below shows how a specially-programmed KCA-RC800AV will control the LZ-700W and the P907.

P907: Increases the volume
LZ-700W: Increases the volume of the internal speaker)

Both: Tunes to the next lower channel

Both: Tunes to the next higher channel

P907: Decreases the volume
LZ-700W: Decreases the volume of the internal speaker)

LZ-700W: Switches the Channel Selection Mode between:
AUTO: Automatic Tuning
PR-S: Preset Tuning
MANU: Manual Tuning

P907: Switches the Channel Selection Mode between AUTO 1, AUTO 2, and MANUAL

LZ-700W: Changes the internal speaker output independent of the video signal being shown. Audio is switched between:
NOR: Normal
TV: Television
NAV: Navigation
VD1: Video 1*
VD2: Video 2*

* Depends on Setup screen settings

LZ-700W: Switches the Screen Mode between NORMAL, FULL and ZOOM
P907: Switches the Screen Mode between NORMAL, FULL, JUST, and ZOOM

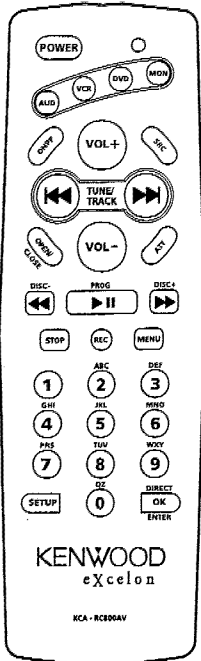
LZ-700W: Changes the video display between:
TV: Television
NAV: Navigation
VD1: Video 1*
VD2: Video 2*

* Depends on Setup screen settings

LZ-700W: Toggles the TV band between TV1 and TV2
P907: Switches the Video input between TV1, TV2, VD1 and VD2. When TUNER is selected, switches between FM1, FM2 and FM3.

KENWOOD
eXcelon

UNIVERSAL REMOTE CONTROL



USER GUIDE

OVERVIEW

The Kenwood Excelon KCA-RC800AV Universal Remote Control is designed to control up to four components, including selected Kenwood mobile entertainment receivers. For your convenience, it has been set up at the factory to control an RCA TV monitor, an RCA DVD player, a Toshiba VCR, and a Kenwood mobile receiver unit.

The KCA-RC800AV requires four fresh AAA alkaline batteries (not included) and easy programming if you want to control components other than those set by default.

NOTE: The audio mode (AUD) cannot be reprogrammed. It is always set for Kenwood mobile electronic units.

For best results, please read and perform all instructions listed here. Also, keep these instructions for future reference.

WARNING: AVOID LEAVING THE REMOTE CONTROL IN A SPOT EXPOSED TO DIRECT SUNLIGHT.

INSTALLING BATTERIES

1. On the KCA-RC800AV's back, pull back the battery cover and remove it.
2. Obtain four (4) fully-charged AAA alkaline batteries. Match the + and - marks on the batteries to the + and - marks in the battery case, then insert batteries.
3. Push the battery cover back into place.
4. Test the KCA-RC800AV by pressing **POWER** and any mode key (i.e., **AUD, VCR, DVD, or MON**). If the batteries are inserted correctly, the indicator LED will blink after your selection.

NOTE: When batteries are low, the unit will cease to operate. Replacing the batteries will restore full functionality and will not require you to reprogram your KCA-RC800AV.

FEATURES AND FUNCTIONS

After the KCA-RC800AV has been programmed, aim the unit at a component you want to control and press the appropriate mode key (i.e., **MON, DVD, VCR, or AUD**).

After a mode key is pressed, the indicator LED will blink, confirming your choice. Then use the other keys to perform desired actions as explained in the following key chart.

NOTE: The selected mode will remain active until you press another mode key.

- The indicator LED (red light) blinks to show that the remote control is working and is sending signals.
- AUD VCR DVD MON** Press **AUD, VCR, DVD, or MON (TV)** once to select a mobile electronic component you want to control.
- POWER** Press **POWER** once to turn ON or OFF the selected component.
- DNPP** Press **DNPP** once to activate Disc Name Preset Play (DNPP). See your receiver's manual for further details.

- SRC** Each time you press **SRC**, the receiver switches among its available modes.
- VOL+** Use **VOL + (or VOL -)** to raise (or lower) the volume of the audio component.
- VOL-**
- TUNE/TRACK** In the **MON or VCR** mode, use the **▶▶** (or **◀◀**) key to select next higher (or lower) channel.

In the **AUD or DVD** mode, use these keys to select the next higher (or lower) track.

Press **OPEN/CLOSE** once to open or close the CD or DVD tray.

Press **ATT** once to turn down the volume quickly. Press it again to restore the volume to its original level.

Use **▶▶** (Play/Pause), **STOP**, **◀◀** (Rewind), and **▶▶** (Fast Forward) keys to control a selected component.

In the **AUD** mode, use these keys (**PROG, DISC-**, and **DISC+**) to control a CD changer.

In the **VCR** mode, press **REC** once to record a video program.

Use the keypad (**0 ~ 9**) to directly select channel or track numbers.

When keying-in titles, press an alphabet key (e.g., **ABC**) one to three times for the desired letter. Use the **▶▶** (or **◀◀**) key to move cursor to the next (or previous) letter.

Press **SETUP** to start programming mode.

Use **MENU** to display the components (i.e., **AUD, VCR, DVD, or MON**) main menu. Depending on the component being controlled (i.e., **AUD, VCR, DVD, or MON**), use **OK/ENTER/DIRECT** to select menu options or enter channel/track numbers or titles.

PROGRAMMING TV CONTROL

1. Turn on the TV.
2. On the KCA-RC800AV, press the **MON** key once.
3. Locate the code for your TV in *Setup Codes for TVs* below. Brands are listed in alphabetical order with the most popular codes listed first.
4. Press and hold **SETUP** (at least 3 seconds) until the indicator LED blinks twice. Then release **SETUP**.
5. Enter the first four-digit code for your TV. The indicator LED will blink once with each digit entry. Once the entire code is entered, the indicator LED will blink twice to confirm it is a valid code.

NOTE: If you enter an invalid code, the indicator LED will display one long blink. In that case, repeat steps 2 through 5 with a valid code.
6. Aim the KCA-RC800AV at your TV and press **POWER** once. The TV should turn off. If it does not respond, repeat steps 2-5, trying each code listed for your brand until you find one that works. If it still does not work with the KCA-RC800AV, try searching for the code (see *Searching For Your Code* on the back side).
7. Write your TV code in the boxes below for future reference.

--	--	--	--

*NOTE: Remember, to operate your TV using the KCA-RC800AV, press **MON** first.*

Setup Codes for TVs:

AOC	0019, 0030
Admiral	0093, 0463
Aiko	0092
Akai	0030
Alaron	0179
America Action	0180
Anam	0180

Audiovox	0092, 0180, 0451
Aumark	0060
Baysonic	0180
Belcor	0019
Bell & Howell	0016, 0154
Bradford	0180
Brockwood	0019
Broksonic	0236, 0463
CXC	0180
Candle	0030, 0056
Carnivale	0030
Carver	0054
Celebrity	0000
Cineral	0451, 0092
Citizen	0056, 0030, 0039, 0060, 0092
Concerto	0056
Contec	0180
Craig	0180
Crosley	0054
Crown	0039, 0180
Curtis Mathes	0060, 0030, 0154, 0016, 0039, 0047, 0051, 0054, 0056, 0093, 0145, 0166, 0451
Daewoo	0092, 0019, 0451, 0039
Daytron	0019, 0039
Denon	0145
Dumont	0017, 0019
Electroband	0000
Emerson	0236, 0180, 0178, 0179, 0463, 0282, 0039, 0019, 0154
Envision	0030
Fisher	0154
Fujitsu	0179
Funai	0180, 0171, 0179
Futuretech	0180
GE	0021, 0047, 0051, 0178, 0282, 0451, 0093
Gibraltar	0017, 0019, 0030
Go Video	0060
GoldStar	0178, 0030, 0019, 0039, 0056
Gradiente	0056, 0053
Grumpy	0179, 0180
Hallmark	0178
Harley Davidson	0179
Harman/Kardon	0054
Harvard	0180
Hitachi	0145, 0056
Infinity	0054
Inteq	0017
JBL	0054
JCB	0000
JVC	0053
KEC	0180
KTV	0180, 0039, 0030
Kenwood	0030, 0019
LG	0056
LXI	0154, 0178, 0047, 0017, 0054, 0156
Logik	0016
Luxman	0056
MCA	0150, 0019, 0030, 0178
MTC	0060, 0019, 0030, 0056
Magnavox	0054, 0030, 0179
Majestic	0016
Marantz	0054, 0030
Matsushita	0051, 0250
Megatron	0145, 0178
Memorex	0178, 0016, 0056, 0060, 0150, 0154, 0250, 0463
Midland	0017, 0039, 0047, 0051
Minutz	0021
Mitsubishi	0150, 0178, 0019, 0093
Motorola	0093
Multitech	0180
NAD	0156, 0166, 0178
NEC	0030, 0019, 0056
NTC	0092
Nikko	0178, 0017, 0047, 0030, 0092, 0154, 0156
Oniva	0180
Optimus	0250, 0166, 0154
Optonica	0093, 0165
Orion	0236, 0463, 0179
Panasonic	0051, 0250, 0047, 0053, 0054, 0060, 0093, 0145, 0150, 0154, 0156, 0165, 0178

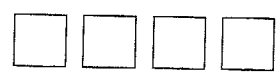
Penney	0047, 0030, 0060, 0021, 0178, 0051, 0039, 0019, 0056, 0156
Philco	0019, 0030, 0054, 0145, 0463
Philips	0054, 0017, 0039, 0060, 0019, 0021
Pilot	0019, 0030, 0039
Pioneer	0166
Portland	0092, 0019, 0039
Prism	0051
Proscan	0047, 0030
Proton	0178
Pulsar	0017, 0019
Quasar	0051, 0250, 0165
RCA	0047, 0019, 0051, 0090, 0093
Radio Shack	0165, 0180, 0178, 0030, 0039, 0019, 0154, 0047, 0056
Realistic	0165, 0180, 0154, 0030, 0039, 0178, 0019, 0056
Runco	0017, 0030
SSS	0019, 0180
Sampo	0030, 0039
Samsung	0060, 0178, 0019, 0030, 0039, 0056
Samsux	0039
Sansei	0451
Sansui	0463
Sanyo	0154
Scimitru	0019
Scotch	0178
Scott	0236, 0178, 0179, 0180, 0019
Sears	0154, 0156, 0054, 0056, 0171, 0178, 0047, 0179
Semivox	0180
Semp	0156
Sharp	0165, 0093, 0039
Shogun	0019
Signature	0016
Sony	0000
Soundesign	0178, 0180, 0179
Squareview	0171
Starlite	0180
Supreme	0000
Sylvania	0054, 0030
Symphonic	0171
TM	0056, 0178
Tandy	0093
Technics	0051, 0250, 0017, 0047
Techno Ace	0179
Techwood	0051, 0056
Teknika	0016, 0179, 0019, 0039, 0054, 0180, 0056, 0092, 0150, 0060
Telefunken	0056
Toshiba	0156, 0060, 0154
Totevision	0039
Universal	0021
Vector Research	0030
Victor	0053
Vidikron	0054
Vidtech	0019, 0178
Wards	0054, 0165, 0178, 0156, 0016, 0021, 0179, 0019, 0030, 0056
White Westinghouse	0463
Yamaha	0019, 0030
Zenith	0017, 0016, 0092, 0463

5. Enter the first four-digit code for your VCR. The indicator LED will blink once with each digit entry. Once the entire code is entered, the indicator LED will blink twice to confirm it is a valid code.

NOTE: If you enter an invalid code, the indicator LED will display one long blink. In that case, repeat steps 2 through 5 with a valid code.

6. Aim the KCA-RC800AV at your VCR and press **POWER** once. Your VCR should turn off. If your VCR remote control does not have a **POWER** key, press **PLAY**. If it does not respond, repeat steps 2-5, trying each code listed for your brand until you find the one that operates your VCR. If your VCR still does not work with the KCA-RC800AV, try searching for the code (see *Searching For Your Code* on the back side).

7. Write your VCR code in the boxes below for future reference.



*NOTE: Remember, to operate your VCR using the KCA-RC800AV, press **VCR** first.*

Setup Codes for VCRs:

Admiral	0048, 0209
Adventura	0000
Aiko	0278
Aiwa	0000, 0037
America Action	0278
American High	0035
Asha	0240
Audiovox	0037
Beaumarck	0240
Bell & Howell	0104
Brocksonic	0209
Broksonic	0184, 0121, 0002, 0209, 0479
CCE	0072, 0278
Calix	0037
Canon	0035
Carver	0081
Cineral	0278
Citizen	0278, 0037
Colt	0072
Craig	0037, 0047, 0072, 0240, 0271
Curtis Mathes	0035, 0060, 0162
Cybernex	0240
Daewoo	0278, 0045
Denon	0042
Dynatech	0000
Electrohome	0037
Electrohome	0037
Emerex	0032
Emerson	0184, 0002, 0121, 0209, 0278, 0208, 0479, 0000, 0037, 0043
Fisher	0047, 0104
Fuji	0035
Funai	0000
GE	0035, 0060, 0048, 0240
Garrard	0000
Go Video	0432
GoldStar	0037, 0038
Gradiente	0008, 0009
HI-Q	0047
Harley Davidson	0000
Harman/Kardon	0081, 0038
Harwood	0072

Hitachi	0042, 0000
Hughes Net Sys.	0042
JVC	0067, 0008
KEC	0037, 0278
KLH	0072
Kenwood	0067, 0038
Kodak	0035, 0037
LXI	0037
Lloyd's	0000, 0208
Logik	0072
MEI	0035
MGA	0043, 0240
MGN Technology	0240
MTC	0000, 0240
Magnasonic	0278
Magnavox	0035, 0081, 0000, 0039
Magnin	0240
Marantz	0081, 0038, 0035
Marta	0037
Matsushita	0035, 0162
Memorex	0104, 0047, 0000, 0037, 0035, 0048, 0240, 0039, 0209
Minolta	0042
Mitsubishi	0043, 0067, 0048
Motorola	0035, 0048
Multitech	0000, 0072
NAP	0035, 0037, 0039, 0042
NEC	0038, 0067, 0104
Nikko	0037
Noblex	0240
Olympus	0035
Optimus	0048, 0037, 0432, 0104, 0162
Orion	0479, 0002, 0184, 0209
Panasonic	0035, 0162, 0225
Penney	0035, 0240, 0037, 0038, 0042
Pentax	0042
Philco	0035, 0479, 0209
Philips	0081, 0035
Pilot	0037
Pioneer	0067
Profrontronic	0240
Proscan	0060
Protec	0072
Pulsar	0039
Quasar	0035, 0162
RCA	0060, 0042, 0035, 0048, 0240
Radio Shack	0000
Radix	0037
Randex	0037
Realistic	0047, 0000, 0104, 0048, 0037, 0035
Runco	0039
STS	0042
Samsung	0240, 0045
Sanky	0039, 0048
Sansui	0479, 0271, 0000, 0067, 0209
Sanyo	0047, 0104, 0240
Scott	0184, 0121, 0045, 0043
Sears	0042, 0037, 0047, 0104, 0000, 0035
Semp	0045
Sharp	0048
Shintorn	0072
Shogun	0240
Signature	0035
Singer	0072
Sony	0032, 0035, 0000
Sylvania	0035, 0081, 0000, 0043
Symphonic	0000
TMK	0208, 0240
Teac	0000
Technics	0035, 0162, 0039, 0060
Teknika	0000, 0035, 0037
Thomas	0000
Toshiba	0045, 0043
Totevision	0037, 0240
Unitex	0240
Vector	0045
Vector Research	0038
Video Concepts	0045
Videosonic	0240
Wards	0035, 0048, 0000, 0060, 0047, 0045, 0240, 0042, 0072, 0081
White Westinghouse	0278, 0209
XR-1000	0072, 0000, 0035
Yamaha	0038
Zenith	0039, 0000, 0209, 0479

PROGRAMMING VCR CONTROL

1. Turn on your VCR and insert a video cassette.
2. On the KCA-RC800AV, press the **VCR** key once.
3. Locate your VCR brand in the *Setup Codes For VCRs* below. Brands are listed in alphabetical order with the most popular codes listed first.
4. Press and hold **SETUP** (at least 3 seconds) until the indicator LED blinks twice. Then release **SETUP**.

PROGRAMMING DVD PLAYER CONTROL

1. Turn on your DVD player and insert a disc.
2. On the KCA-RC800AV, press the **DVD** key once.
3. Locate your DVD player brand in the *Setup Codes For DVD Players* on the back side. Brands are listed in alphabetical order with the most popular codes listed first.
4. Press and hold **SETUP** (at least 3 seconds) until the indicator LED blinks twice. Then release **SETUP**.
5. Enter the first four-digit code for your DVD player. The indicator LED will blink once with each digit entry. Once the entire code is entered, the indicator LED will blink twice to confirm it is a valid code.

NOTE: If you enter an invalid code, the indicator LED will display one long blink. In that case, repeat steps 2 through 5 with a valid code.

6. Aim the KCA-RC800AV at your DVD player and press **POWER** once. Your unit should turn off. If your DVD remote control does not have a **POWER** key, press **PLAY**. If it does not respond, repeat steps 2-5, trying each code listed for your brand until you find the one that operates your DVD player. If it still does not work with the KCA-RC800AV, try searching for the code (see *Searching For Your Code* on the back side).
7. Write the DVD player code in the boxes below for future reference.

□	□	□	□
---	---	---	---

*NOTE: Remember, to operate your DVD player using the KCA-RC800AV, press **DVD** first.*

Setup Codes for DVD Players:

JVC	0558
Kenwood	0534
Magnavox	0503
Onkyo	0503
Optimus	0525
Panasonic	0490
Philips	0539, 0503
Pioneer	0525
Proscan	0522
RCA	0522
Samsung	0573
Sony	0533
Technics	0490
Toshiba	0503
Yamaha	0490
Zenith	0591, 0503

SEARCHING FOR YOUR CODE

If your TV, VCR, or DVD Player does not respond to the KCA-RC800AV after trying all of the codes listed for your brand, or if your brand is not listed at all, try searching for your code.

For example, after trying all of the codes for your TV, you still cannot get the KCA-RC800AV to operate your TV, then:

1. Turn on your TV.
2. On the KCA-RC800AV, press and release the **MON** key.
3. Press and hold **SETUP** (at least 3 seconds) until the indicator LED blinks twice. Then release **SETUP**.
4. Enter **9 - 9 - 1**. The indicator LED will blink twice.
5. Aim the KCA-RC800AV at the TV and slowly alternate between pressing **POWER** and **MON**. Stop when the TV turns off – a code that works has been found.

NOTE: In the search mode, the KCA-RC800AV will send IR codes from its library to the selected component, starting with the most popular codes first.

6. Press and release the **SETUP** key to lock in the code.
7. To search for the codes of your other components, repeat steps 1 through 6, but substitute the appropriate device key (i.e., **VCR**, or **DVD**) for the component you are searching for.

CHECKING THE CODES

If you have set up the KCA-RC800AV using the *Searching For Your Code* procedure, you can use the following instructions to find out what code is operating your equipment:

For example, to find out which code is operating your TV:

1. Turn on your TV.
2. On the KCA-RC800AV, press the **MON** key once.
3. Press and hold **SETUP** (at least 3 seconds) until the indicator LED blinks twice. Then release **SETUP**.
4. Press **9 - 9 - 0**. The indicator LED will blink twice.
5. To view the code for the first digit, press and release **1**. Count the number of blinks (e.g., 3 blinks = 3) and write down the number in the leftmost box below.

NOTE: The indicator LED will not blink if the code digit is a "0".

TV (MON)

□	□	□	□
---	---	---	---

6. Repeat step 5 three more times for each successive digit by pressing and releasing **2, 3**, and then **4**. Finish writing down the code in the boxes above.
7. To check for the codes of your other components, repeat steps 1 through 6, only substitute the appropriate device key (i.e., **VCR**, or **DVD**) for the component you are checking. Write down the codes in the boxes below.

VCR

□	□	□	□
---	---	---	---

DVD Player

□	□	□	□
---	---	---	---

LEARNING FUNCTIONS

The KCA-RC800AV has the capability of learning functions that are taught by your original remote control. For best learning results, choose a location where area light is low (e.g., indoors, away from direct sunlight or lamps) and perform the following steps:

1. On the KCA-RC800AV, press a desired mode key once (i.e., **MON**, **DVD**, or **VCR**).
- NOTE: Learning is not available in the **AUD** mode.*
2. Press and hold **SETUP** (at least 3 seconds) until the indicator LED blinks twice. Then release **SETUP**.
 3. Press **9 - 7 - 5**. The indicator LED will again blink twice.
 4. On the KCA-RC800AV, press the key where you want the feature to be learned. The indicator LED will blink rapidly.

5. Place the KCA-RC800AV and the original remote control head-to-head, and no more than 2 inches apart.
 6. On the original remote control, press and hold down the key to be taught. On the KCA-RC800AV, the indicator LED will turn off.
 7. Continue pressing the key to be taught until the indicator LED on the KCA-RC800AV blinks twice.
- NOTE: If the KCA-RC800AV indicator LED blinks one long blink, learning has failed. Try step 5 through 7 again.*

8. Repeat step 4 through 7 for additional keys you want learned.
9. To exit the learning mode, press and hold **SETUP** until the indicator LED blinks twice. Then release **SETUP**.

Deleting A Learned Function:

1. On the KCA-RC800AV, press a desired mode key once (i.e., **MON**, **DVD**, or **VCR**).

*NOTE: Learning is not available in the **AUD** mode.*

2. Press and hold **SETUP** (at least 3 seconds) until the indicator LED blinks twice. Then release **SETUP**.
3. Press **9 - 7 - 6**. The indicator LED will again blink twice.
4. Press the key you want clear twice.

TROUBLESHOOTING

PROBLEM: Indicator LED does not blink when you press a key.

SOLUTION: Replace the batteries with four (4) new AAA alkaline batteries.

PROBLEM: Indicator LED blinks when you press a key, but the component does not respond.

SOLUTION: Make sure you are aiming the KCA-RC800AV at the component and that you are within 15 feet of the component you are trying to control.

PROBLEM: KCA-RC800AV does not control entertainment components or commands are not working properly.

SOLUTION: Try all listed codes for the component brand being set up. Make sure all components can be operated with an infrared remote control.

PROBLEM: Changing channels does not work properly.

SOLUTION: If the original remote control required pressing ENTER to change channels, press **ENTER** on the KCA-RC800AV after entering the channel number.

PROBLEM: LED blinks one long blink during learning.

SOLUTION: Bad learning capture. Try learning sequence again.

Memory full. Try deleting another learned function; repeat learning sequence again.

Cannot learn function in audio (**AUD**) mode.

PROBLEM: LED blinks one long blink during programming, searching codes, or checking codes.

SOLUTION: Invalid entry. Try entering data again.

LIMITED WARRANTY

Kenwood USA Corp. warrants, to the original purchaser only, that this product will be free from defects in materials and workmanship, under normal use, for ninety (90) days from the date of original purchase. This warranty does not cover damage or failures caused by products or services not supplied by Kenwood USA Corp., or which result from accident, misuse, abuse, neglect, mishandling, misapplication, faulty installation, set-up adjustment, improper maintenance, alteration, maladjustment of consumer controls, modifications, commercial use, or that is attributable to acts of God.

There are no express warranties except as listed above. Kenwood USA Corp. SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT OR ARISING OUT OF ANY BREACH OF WARRANTY. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE WARRANTY PERIOD SET FORTH ABOVE.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

SERVICE INFORMATION

To obtain warranty service for a defective product during the warranty period, please return the product, preferably in the original carton, along with your purchase receipt, to the store of original purchase. A note detailing the complaint would be helpful. The store, at its option, will replace or repair this product if found to be defective.

For help, contact Kenwood USA Corp. at:

(310) 639-5300

Copyright 1999 by Kenwood USA Corp. No part of this publication may be reproduced, transmitted, transcribed, stored in any retrieval system, or translated to any language, in any form or by any means, electronic, mechanical, magnetic, optical, manual, or otherwise, without the prior written permission of Kenwood USA Corp.

B64-RC800AV

9/99