

# User's Manual

Car Audio Receiver with Transmitter, Model:RBU

# CONTENTS

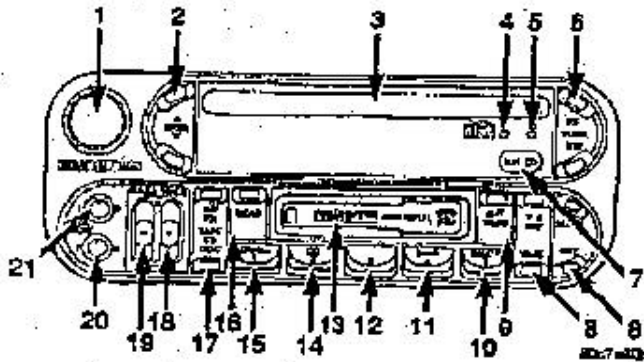
■ SALES CODE RBU — AM STEREO & FM STEREO RADIO, CASSETTE TAPE PLAYER, CD PLAYER, REAR AUDIO AND CD CHANGER — IF EQUIPPED .....	5	□ Graphic Equalizer .....	9
□ Operating Instructions — Radio .....	5	□ AM/FM Selection .....	9
□ Power Switch, Volume Control .....	5	□ Scan Button .....	9
□ Seek Button (Radio Mode) .....	5	□ To Set The Radio Push-button Memory .....	9
□ Tuning .....	6	□ To Change From Clock To Radio Mode .....	10
□ PTY (Program Type) Button .....	6	□ Operating Instructions — Tape Player .....	10
□ Rear Button .....	7	□ Seek Button .....	10
□ Balance .....	8	□ Fast Forward (FF) .....	10
□ Fade .....	9	□ Rewind (RW) .....	11
		□ Tape Eject .....	11
		□ Scan Button .....	11

Post-it® Fax Note	7671	Date	1-24-00	# of pages	18
To	Nick Furukawa	From	Ray Timmer		
Co./Dept.		Co.			
Phone #		Phone #	(248) 944-2677		
Fax #		Fax #	248 944-3094		

4 PARTIAL SECTION

□ Rear Button . . . . .	11	□ FF/TUNE/RW Button . . . . .	13
□ Changing Tape Direction . . . . .	11	□ Rear Button . . . . .	13
□ Metal Tape Selection . . . . .	11	□ Program Button 4 (Random Play) . . . . .	14
□ Pinch Roller Release . . . . .	12	□ Mode Button . . . . .	14
□ Noise Reduction . . . . .	12	□ PTY/Time Button . . . . .	14
□ Operating Instructions — CD Player . . . . .	12	□ Scan Button . . . . .	14
□ Inserting The Compact Disc . . . . .	12	□ Operating Instructions — Remote Control . . . . .	15
□ Seek Button . . . . .	13	□ Operating Instructions — Headphones . . . . .	18
□ EJECT CD (Eject) Button . . . . .	13		

**SALES CODE RBU — AM STEREO & FM STEREO  
RADIO, CASSETTE TAPE PLAYER, CD PLAYER,  
REAR AUDIO AND CD CHANGER — IF EQUIPPED**



**Operating Instructions — Radio**

**NOTE:** Power to operate the radio is supplied through the ignition switch. It must be in the ON or Accessory (ACC) position to operate the radio.

**Power Switch, Volume Control**

Press the ON/VOL control to turn the radio on. Turn the volume control clockwise to increase the volume.

**Seek Button (Radio Mode)**

Press and release the Seek button to search for the next station in either the AM or FM mode. Press the top of the button to seek up and the bottom to seek down. The radio will remain tuned to the new station until you make another selection. Holding the button in will bypass stations without stopping until you release it.

**Tuning**

Press the TUNE control up or down to increase or decrease the frequency. If you press and hold the button, the radio will continue to tune until you release the button. The frequency will be displayed and continuously updated while the button is pressed.

**PTY (Program Type) Button**

Pressing this button once will turn on the PTY mode for 5 seconds. If no action is taken during the 5 second time out the PTY icon will turn off. Pressing the PTY button within 5 seconds will allow the program format type to be selected.

Toggle the PTY button to select the following format types:

Program Type	Radio Display
Adult Hits	Adlt Hit

Program Type	Radio Display
Classical	Classicl
Classic Rock	Clc Rock
College	College
Country	Country
Information	Inform
Jazz	Jazz
Foreign Language	Language
News	News
Nostalgia	Nostalgia
Oldies	Oldies
Personality	Personlty
Public	Public

Program Type	Radio Display
Rhythm and Blues	R & B
Religious Music	Rel Musc
Religious Talk	Rel Talk
Rock	Rock
Soft	Soft
Soft Rock	Soft Rck
Soft Rhythm and Blues	Soft R&B
Sports	Sports
Talk	Talk
Top 40	Top 40
Weather	Weather

By pressing the SEEK button when the PTY icon is displayed, the radio will be tuned to the next frequency station with the same selected PTY name. The PTY function only operates when in the FM mode.

The radio display will flash "SEEK" and the selected PTY program type when searching for the next PTY station. If no station is found with the selected PTY program type, the radio will return to the last preset station.

If a preset button is activated while in the PTY (Program Type) mode, the PTY mode will be exited and the radio will tune to the preset station.

#### Rear Button

Power to operate the rear audio controls is supplied through the "REAR" button on the radio or the "POWER" button on the remote control. To turn the system ON press the "REAR" button on the radio or press the "POWER"

button on the remote control, then press the power button on the headphones.



The headphone symbol will flash in the radio display and then remain lit when the rear audio system is ON.

To turn the system OFF press the "REAR" button on the radio twice within 5 seconds or press the "POWER" button on the remote control.

To change modes for the rear controls first press the "REAR" button then, within 5 seconds, press the "MODE" button to select between AM/FM, CD player, Tape player or the 4 disc CD changer. The "REAR" button must be pressed each time the mode is changed from the radio for the rear seat occupants.

**NOTE:**

- When the rear seat audio system is on, sound can only be heard from the front speakers. The rear speakers will turn back on when the rear seat audio system is turned off.
- If it becomes necessary to change channels due to interference press and hold the "REAR" button for approximately 2 seconds or the channel button on the remote control. The display in the radio will show which channel is being used.
- The power button on the headphones must be turned ON before sound can be heard from the headphones.

**Balance**

The Balance control adjusts the left-to-right speaker balance. Push in the button and it will pop out. Adjust the balance and push the button back in.

**Fade**

The Fade control provides for balance between the front and rear speakers. Push in the button and it will pop out. Adjust the balance and push the button back in.

**Graphic Equalizer**

The graphic equalizer has 2 separate bands. Each is controlled by a slider control with a detent at the mid position. Moving a control up or down increases or decreases amplification of the band.

**AM/FM Selection**

Press the AM/FM button to change from AM to FM. The operating mode will be displayed next to the station frequency. The display will show FMst or the station identification when a stereo station is received.

**Scan Button**

Pressing the SCAN button causes the tuner to search for the next station, in either AM or FM, pausing for 5 seconds at each listenable station before continuing to the next. "SCAN" will flash in the radio display to indicate that the scan feature is ON.

To stop the search, press SCAN a second time.

**To Set The Radio Push-button Memory**

When you are receiving a station that you wish to commit to push-button memory, press the SET button. SET 1 will flash in the display window. Select the push-button you wish to lock onto this station and press and release that button. If a station is not selected within 5 seconds after pressing the SET button, the station will continue to play but will not be locked into push-button memory.



You may add a second station to each push-button by repeating the above procedure with this exception: Press the SET button twice and SET 2 will flash in the display window. Each button can be set for SET 1 and SET 2 in both AM and FM. This allows a total of 10 AM and 10 FM stations to be locked into memory. You can recall the stations stored in SET 2 memory by pressing the push-button twice.

**To Change From Clock To Radio Mode**

Press the Time button to change the display between radio frequency and time.

**Operating Instructions — Tape Player**



Insert the cassette with the exposed tape side toward the right and the mechanical action of the player will gently pull the cassette into the play position.

**NOTE:** When subjected to extremely cold temperatures, the tape mechanism may require a few minutes to warm up for proper operation. Sometimes poor playback may be experienced due to a defective cassette tape. Clean and demagnetize the tape heads at least twice a year.

**Seek Button**

Press the SEEK button up for the next selection on the tape and down to return to the beginning of the current selection.

Press the SEEK button up or down to move the track number to skip forward or backward 1 to 7 selections. Press the SEEK button once to move 1 selection, twice to move 2 selections, etc.

**Fast Forward (FF)**

Press the FF button up momentarily to advance the tape in the direction that it is playing. The tape will advance

until the button is pressed again, or the end of the tape is reached. At the end of the tape, the tape will play in the opposite direction.

**Rewind (RW)**

Press the RW button momentarily to rewind the tape. The tape will rewind until the button is pressed again or until the end of the tape is reached. At the end of the tape, the tape will play in the opposite direction.

**Tape Eject**

Press the Eject Tape button and the cassette will disengage and eject from the radio.

**Scan Button**

Press this button to play 10 seconds of each selection. Press the scan button a second time to cancel the feature.

**Rear Button**

Press the "REAR" button on the radio, the headphone symbol will flash to indicate the rear audio system has been selected. While the headphone symbol is flashing, the desired tape selections shown under "operating Instructions-Tape Player" can be made from the radio controls. The radio will change back to the current mode if a selection is not made within 5 seconds.

**Changing Tape Direction**

If you wish to change the direction of tape travel (side being played), press the PTY/TIME button. The lighted arrow in the display window will show the new direction.

**Metal Tape Selection**

If a standard metal tape is inserted into the player, the player will automatically select the correct equalization and the 70 symbol will appear in the display window.

**Pinch Roller Release**

If ignition power or the radio ON/OFF switch are turned off, the pinch roller will automatically retract to protect the tape from any damage. When power is restored to the tape player, the pinch roller will automatically reengage and the tape will resume play.

**Noise Reduction**

The Dolby Noise Reduction System\* is on whenever the tape player is on, but may be switched off.

To turn off the Dolby Noise reduction System: Press the Dolby button (button 2) after you insert the tape. The NR light in the display will go off when the Dolby System is off. The Dolby System is automatically reactivated each time a tape is inserted.

\* "Dolby" noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. Dolby

and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

**Operating instructions — CD Player**

The ignition switch must be in the ON or ACC position and the volume control ON before the CD player will operate.

**Inserting The Compact Disc**

The CD player contained within the radio is not a multi-disc changer, and will only accept one CD. Gently insert one CD into the CD player with the CD label facing up. The CD will automatically be pulled into the CD Player.

If the volume control is ON, the unit will switch from radio to CD mode and begin to play. The display will show

the track number and index time in minutes and seconds. Play will begin at the start of track 1.

**NOTE:**

- You may eject a disc with the radio OFF. The ignition switch must be in the ON or ACC position to insert a disc with the radio OFF.
- If you insert a disc with the ignition ON and the radio OFF, the CD will automatically be pulled into the CD Player and the display will show the time of day.

**Seek Button**

Press the top of the SEEK button for the next selection on the CD. Press the bottom of the button to return to the beginning of the current selection, or return to the beginning of the previous selection if the CD is within the first 2 seconds of the current selection.

**EJECT CD (Eject) Button**

Press this button and the disc will unload and move to the entrance for easy removal. The unit will switch to the radio mode.

If you do not remove the disc within 15 seconds, it will be reloaded and the display will show PAUSE. The radio mode will continue to operate.

The disc can be ejected with the radio OFF.

**FF/TUNE/RW Button**

Press and hold FF (Fast Forward) once and the CD player will begin to fast forward until the FF button is released. The RW (Reverse) button works in a similar manner.

**REAR Button**

Press the "REAR" button on the radio, the headphone symbol will flash to indicate the rear audio system has

been selected. While the headphone symbol is flashing, the desired CD selections shown under "Operating Instructions-CD Player" can be made from the radio controls. The radio will change back to the current mode if a selection is not made within 5 seconds.

**Program Button 4 (Random Play)**

Press this button while the CD is playing to activate Random Play. This feature plays the selections on the compact disc in random order to provide an interesting change of pace. "RND" will show in the radio display when random play is selected.

Press the SEEK button to move to the next randomly selected track.

Press and hold FF (Fast Forward) once and the CD player will begin to fast forward until the FF button is released. The RW (Reverse) button works in a similar manner.

Press button 4 a second time to stop Random Play.

**Mode Button**

Press this button to select between AM/FM, CD player, Tape player or 4 disc CD changer.

**PTY/Time Button**

Press this button to change the display from elapsed CD playing time to time of day.

**Scan Button**

Press this button to play the first 10 seconds of each track. "SCAN" will flash in the radio display. To stop the scan function, press the button a second time.

## Operating Instructions — Remote Control

### Power Button

Pressing the "POWER" button will turn the rear audio system ON/OFF.

### NOTE:

- When the rear seat audio system is ON, sound can only be heard from the front speakers. The rear speakers will turn back on when the rear seat audio system is turned OFF.
- The power button on the headphones must be turned ON before sound can be heard from the headphones.

### Mode Button

Press this button to select between AM/FM, CD player, Tape player or 4 disc CD changer.

The first press of the "MODE" button will display the current mode of the rear audio system, pressing the button a second time within 5 seconds will toggle the system between modes.



The headphone symbol in the radio display will flash for approximately 5 seconds to indicate that the rear mode is being changed.

### Seek Button

#### • AM/FM Mode

Press and release the Seek button to search for the next station in either the AM or FM station. Press the right side of the button to seek up and the left side to seek down. The radio will remain tuned to the new station until you make another selection.

- *Tape Mode*

Press the "SEEK" button up momentarily to advance the tape in the direction that it is playing. The tape will advance until the button is pressed again or the end of the tape is reached. At the end of the tape, the tape will play in the opposite direction.

Press the "SEEK" button down momentarily to rewind the tape. The tape will rewind until the button is pressed again or until the end of the tape is reached. At the end of the tape, the tape will play in the opposite direction.

- *CD/CD Changer Mode*

Press the right side of the "SEEK" button for the next selection on the CD. Press the left side of the button to return to the beginning of the current selection, or return to the beginning of the previous selection if the CD is within the first 2 seconds of the current selection.

### Program Button (PROG)

- *AM/FM Mode*

Press and release the "PROG" button to search for the next preset memory station in either the AM or FM mode. Press the right side of the button to move up and the left side to move down. The radio will remain tuned to the new station until you make another selection.

### Tape Mode



Changes the direction the tape is playing. The lighted arrow in the display window will show the new direction.

**• CD Mode**

No function.

**CD Changer Mode**

Changes the CD selection between disc 1, disc 2, disc 3 and disc 4.

**Channel Button**

Press this button to select between channel "A" or channel "B".

**Remote Control Battery Service**

- To replace the batteries for the remote control slide the cover rearward.

The recommended replacement batteries for the remote control are two AAA batteries.



Operating Instructions — Headphones



- 1. Power Button
- 2. Channel Button
- 3. Volume Control
- 4. LED

**Power Button**

Pressing the power button will turn the headphones ON/OFF.

**NOTE:**

- The headphones will turn off automatically and the red LED will illuminate for approximately 45 seconds when the radio or rear audio system is turned off.
- The rear audio system must be turned ON before sound can be heard from the headphones.

**Volume Control**

Rotate the volume control downward to increase the volume.

**Channel Button**

Pressing the channel button will search for the available channel.

**NOTE:** When the "GREEN LED" is showing the headphones are receiving the audio signal. When the "RED LED" is showing the headphones are searching for the audio signal

#### **Headphone Battery Service**

- Using a key or similar flat object insert into the slot.



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- Pry upward, towards the top of the headphones on the release tab and remove the cover.
- Replace the batteries and reinstall the cover.

The recommended replacement batteries for the headphones are three AAA batteries.

**General Information**

This device complies with part 15 of the FCC rules and RS 210 of Industry Canada. Operation is subject to the following two conditions: (1) This device may not cause harmful interference and (2) This device must accept any interference received, including interference that may cause undesired operation.

If you experience static or the headphones will not hold a channel, check for these two conditions:

1. A weak battery in the headphones.
2. Closeness to a radio transmitter such as a radio station, tower, airport transmitter, and some mobile or CB radios.