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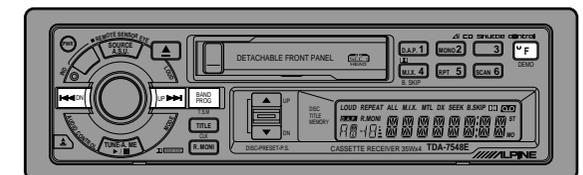


TDA-7548E/TDA-7547E

FM/AM Cassette Receiver

- OWNER'S MANUAL
Please read this manual to maximize your enjoyment of the outstanding performance and feature capabilities of the equipment, then retain the manual for future reference.

35W × 4



(TDA-7548E)

Precaution

Warning

**DO NOT DISASSEMBLE OR ALTER**

Attempts to disassemble or alter may lead to an accident, fire and/or electric shock.

**KEEP SMALL ARTICLES OUT OF THE REACH OF CHILDREN**

Store small articles (batteries, screws, etc.) in places not accessible to children. If swallowed, consult a physician immediately.

**USE THE CORRECT AMPERE RATING WHEN REPLACING FUSES**

Replace fuses only with fuses of the same ampere rating. Failure to do so may result in a fire and/or damage to the vehicle.

**HALT USE IMMEDIATELY IF A PROBLEM APPEARS**

When problems appear, stop using the system immediately and contact the dealer from whom you purchased the equipment. Some problems which may warrant immediate attention include a lack of sound, noxious odors or smoke being emitted from the unit, or foreign objects dropped inside the unit.

**DO NOT OPERATE THE REMOTE CONTROL WHILE DRIVING**

Do not change settings while driving. If operation requiring a prolonged view of the display is required, stop the vehicle in a safe location before attempting operation.

Precaution

Caution



DO NOT BLOCK VENTS OR RADIATOR PANELS

Do not block air vents or heat discharge plates. Blocking them will cause heat to build up inside and may result in fire.



DO NOT RAISE THE VOLUME EXCESSIVELY

Keep the volume at a level where you can still hear outside noises while driving. Driving while unable to hear outside sounds could cause an accident.



DO NOT USE THIS EQUIPMENT OUTSIDE THE VEHICLE

Do not use this equipment for purposes other than those listed for a vehicle. Failure to do so may result in an electric shock or an injury.



KEEP FOREIGN OBJECTS OUT OF THE CASSETTE COMPARTMENT SLOT

Keep any foreign objects, including fingers, out of the cassette compartment slot.



STOP THE VEHICLE BEFORE CARRYING OUT ANY OPERATION THAT COULD INTERFERE WITH YOUR DRIVING

If loading or unloading a cassette interferes with your driving, stop the vehicle in a safe location before attempting operation.



DO NOT REPLACE THE BATTERY WITH ONE NOT SPECIFIED. INSERT WITH THE CORRECT BATTERY POLARITY

Do not replace with other than specified battery. When inserting the battery, be sure to observe proper polarity (+ and -) as instructed. Battery rupture or chemical leakage can cause an injury or equipment malfunction.

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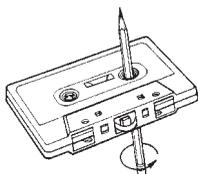


Precautions



Temperature

Be sure the temperature inside the vehicle is between +60°C (+140°F) and -10°C (+14°F) before turning your unit on.



Tape Slack

Check and make sure any slack in the tape is taken up before inserting the tape into the unit. A loose tape can get caught in the mechanism and cause damage to the unit and the tape itself. Tighten the tape by inserting a pencil or a similar instrument into the spindle hole and turn until all the slack has been taken up.

Excessively Thin Tape

C-120 type cassette tapes are not recommended for use in automobile tape players.

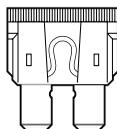
Precision Tape Mechanism

Prevent any foreign objects from entering the cassette opening as the precision mechanism and tape head may be damaged.

Never play dirty or dusty tapes – they can damage the tape head.

Tape Head Cleaning

Periodic cleaning (approximately every 20 hours of use) of the tape head with a wet type head-cleaning cassette tape (available at audio stores) is necessary for best performance.



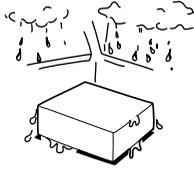
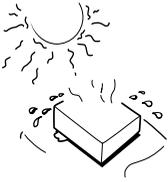
Fuse Replacement

When replacing the fuse(s), the replacement must be of the same amperage as shown on the fuse holder. If the fuse blows more than once, carefully check all electrical connections for shorted circuitry. Also have your vehicle's voltage regulator checked.

Maintenance

If you have problems, do not attempt to repair the unit yourself. Return it to your Alpine dealer or the nearest Alpine Service Station for servicing.

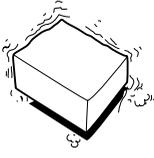
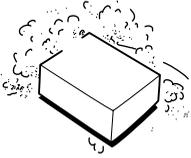
Precautions



Installation Location

Make sure the TDA-7548E/TDA-7547E will not be installed in a location subjected to:

- Direct sun and heat
- High humidity and water
- Excessive dust
- Excessive vibrations



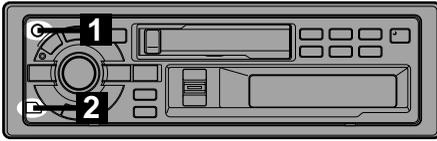
Handling the Detachable Front Panel



- Do not expose to rain or water.
- Do not drop or apply shock.

Detachable Front Panel

English



Detaching the Front Panel

1



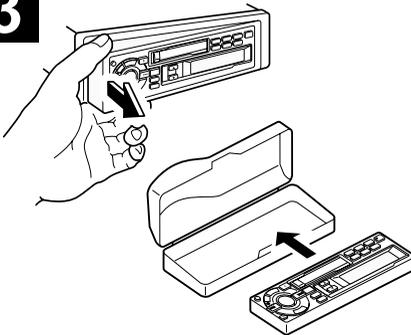
Press the PWR button to turn off the power.

2



Press the release button until the front panel pops out.

3

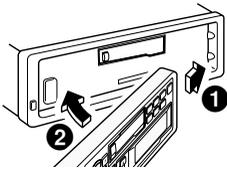


Grasp the left side of the front panel and pull it out.

Note: To protect the front panel, place it in the supplied carrying case.

Attaching the Front Panel

1

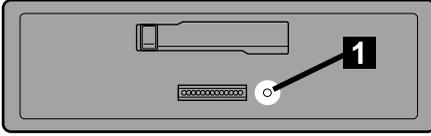


1. First, insert the right side of the front panel into the main unit. Align the 2 small holes on the front panel with the 2 projections on the main unit.
2. Push the left side of the front panel until it locks firmly into the main unit.

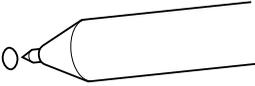
Note: Before attaching the front panel, make sure that there is no dirt or dust on the connector terminals and no foreign object between the front panel and the main unit.



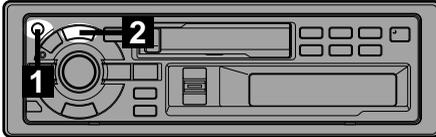
Basic Operation



Initial System Start-Up

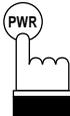
1

Immediately after installing or applying power to the unit, it should be initialized. To do this, first, remove the detachable front panel. Behind the front panel, to the right of the connector, is a small hole. Using a pencil or other pointed object, press the red reset button mounted behind this hole to complete the initialization procedure.



Automatic Setup (A.S.U.)

This convenient feature sets up the unit automatically after installation.

1

Press the PWR (POWER) button to turn on the unit.

Note: When Power is turned on for the very first time, the A.S.U. (Automatic Set-Up) function will be initiated automatically. See A.S.U. description below.

2

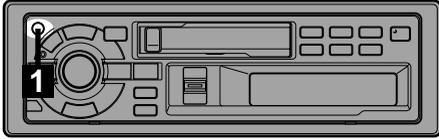
Press and hold the A.S.U. (Automatic Setup) button for at least 3 seconds to activate the A.S.U. mode.

"ASU" blinks in the display.

The unit automatically performs the following operations.

1. Activates Auto Memory mode.
2. Gradually sets the Bass, Treble, Balance and Fader controls to their center positions.
3. Gradually increases the volume to the position 12 in the display.
4. Turns the Loudness on.
5. Ends the A.S.U. mode.

Basic Operation



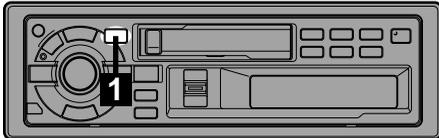
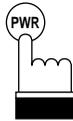
Turning Power On and Off

1

Press the PWR button to turn on the unit.

Note: The unit can be turned on by pressing any other button except the eject ▲ and CLK buttons.

The volume level gradually increases to the previous level you were listening to before the unit was turned off. Press the PWR button again to turn off the unit.



Non Fading Pre-Out (N.F.P.) On and Off

1

Press and hold the Eject button for at least 3 seconds.

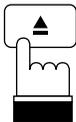
With each press, N.F.P. is toggled On or Off.

N.F.P. ON: In this position, the Front Pre-Output on the TDA-7548E or Rear Output on the TDA-7547E will not be affected by the fader. This is ideal for driving a subwoofer amplifier.

N.F.P. OFF: Returns to normal fader mode.

Notes:

- Initial mode is "NFP OFF."
- Set the N.F.P. to OFF unless the subwoofer is used.
- If an optional Processor with subwoofer output is connected via the Ai-NET bus, this button will turn that output ON or OFF.



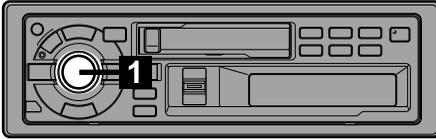
NFP OFF



NFP ON

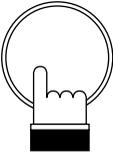


Basic Operation



Turning Loudness On/Off

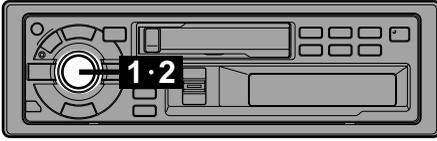
Loudness introduces a special low- and high-frequency emphasis at low listening levels to compensate for the ear's decreased sensitivity to bass and treble sound.

1**LOUD**

Press and hold the AUDIO CONTROL button for at least **2** seconds to activate or deactivate the loudness mode. The display shows "LOUD" when the loudness mode is activated.

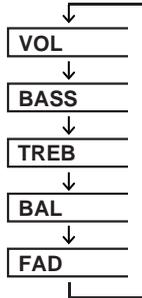
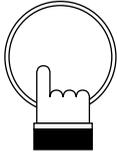
Note: When an optional Alpine Audio Processor (Equalizer or Divider) is connected to the unit the Loudness mode is not functional.

Basic Operation



Adjusting Volume/Bass/Treble/Balance/Fader

1



Press the AUDIO CONTROL button repeatedly to choose the desired mode.

- Notes:**
- If the AUDIO CONTROL knob is not rotated within 5 seconds after selecting BASS, TREBLE, BALANCE, or FADER modes, the control returns to VOLUME mode.
 - With subwoofer mode turned on, Subwoofer output level can be adjusted.

2

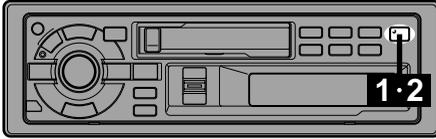


Rotate the AUDIO CONTROL knob until the desired sound is obtained in each mode.

- Notes:** The BASS and TREBLE settings for each source (FM, AM, TAPE, and CD) are automatically memorized. These settings remain until you manually change them.



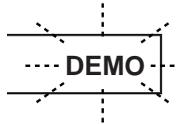
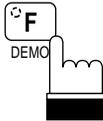
Basic Operation



Demonstration

In the Demonstration (DEMO) mode, the unit scans each source; tuner, cassette tape and CD.

1



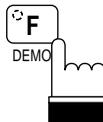
Press and hold the DEMO button for at least **3** seconds to activate the DEMO mode.

"DEMO" blinks in the display.

The unit automatically performs the following scanning operation.

1. The unit automatically selects the Tuner mode and begins scanning the presets. It will play 10 seconds of each preset station on bands FM1 and AM.
2. The unit then switches to Tape mode. It will scan the first 10 seconds of each selection on the currently loaded cassette, starting from the first.
3. If a CD Shuttle is connected, the unit will go into the CD mode. It will play the first 10 seconds of each track starting with track one of the first disc.
4. The unit continues scanning of the sources as described in 1 to 3 above.

2

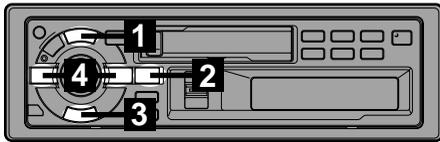


To end the DEMO mode, press the DEMO button.

"DEMO" disappears from the display.



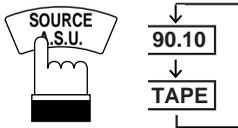
Radio Operation English



Manual Tuning



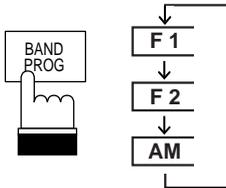
1



Press the SOURCE button until radio frequency appears in the display.

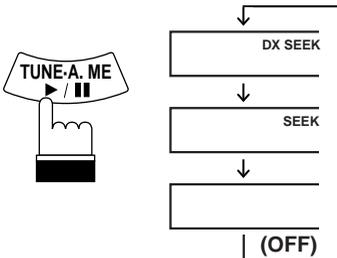


2



Press the BAND button repeatedly until the desired radio band is displayed.

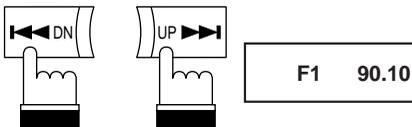
3



Press the TUNE button repeatedly until "DX SEEK" and "SEEK" disappears from the display.

Note: The initial mode is DX SEEK.

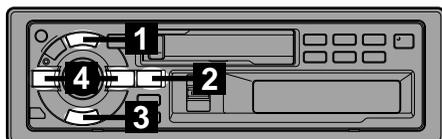
4



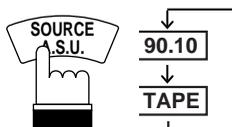
Press the DN or UP button to move downward or upward one step respectively until the desired station frequency is displayed.



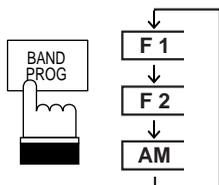
Radio Operation



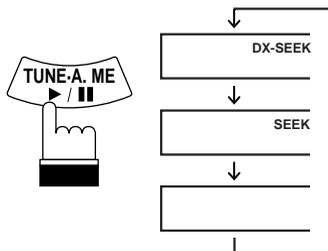
Automatic Seek Tuning

1

Press the SOURCE button until radio frequency appears in the display.

2

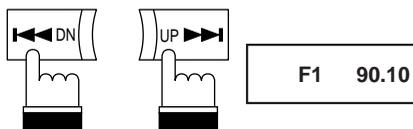
Press the BAND button repeatedly until the desired radio band is displayed.

3

Press the TUNE button to illuminate the DX and SEEK indicators in the display.

With the DX mode activated, both strong and weak stations will be tuned in the Auto-Seek operation.

Press again to return to the local mode. The DX indicator will turn off and the SEEK indicator will remain illuminated. Now, only strong stations will be tuned.

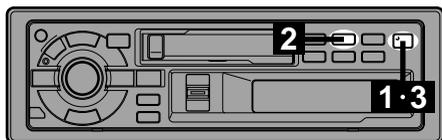
4

Press the DN or UP button to automatically seek a station downward or upward respectively.

The unit will stop on the next station it finds. Press the same button again to seek next station.

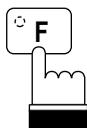


Radio Operation



Mono/Stereo Switching

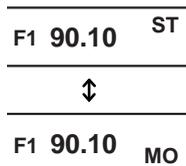
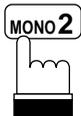
1



Press the "F" button. The function indicator on the button will turn off.



2



"ST" indicator appears when a stereo station is tuned in.

Press the MONO button to switch from stereo to monaural FM reception. This will help in reducing the noise of weak FM Stereo broadcasts. In the monaural mode, the MO indicator appears. Press the MONO button again to return to the stereo mode.

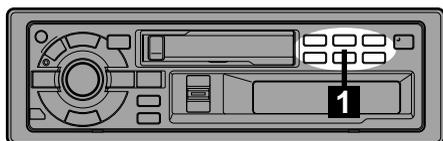
3



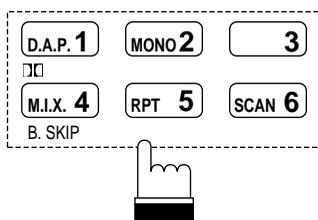
Press the "F" button to activate the normal mode. The function indicator will illuminate.



Radio Operation



Manual Storing of Station Presets

1

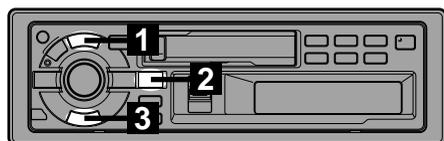
1. Select the radio band and tune in a desired radio station you wish to store in the preset memory.
2. Make sure that the Function indicator is illuminated. Press and hold any one of the Preset buttons (1 through 6) for at least 2 seconds. The frequency display will begin to blink.
3. Press the preset button into which you wish to store the station while the frequency display is blinking (within 5 seconds). The display stops blinking once the station has been memorized. The display shows the band, preset No. with a triangle (\triangle) and station frequency memorized.
4. Repeat the procedure to store up to 5 other stations onto the same band.
To use this procedure for other bands, simply select the band desired and repeat the procedure.

A total of 24 stations can be stored in the preset memory (6 stations for each band; FM1, FM2, AM and D.A.P.).

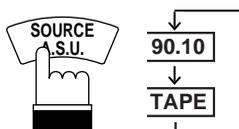
Note: If you store a station in a preset memory which already has a station, the current station will be cleared and replaced with the new station.



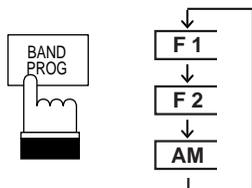
Radio Operation



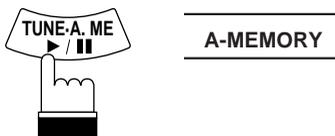
Automatic Memory of Station Presets

1

Press the SOURCE button until radio frequency appears in the display.

**2**

Press the BAND button repeatedly until the desired radio band is displayed.

3

Press and hold the A. MEMO button for at least 2 seconds. The frequency on the display continues to change while the automatic memory is in progress.

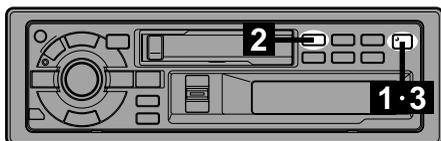
The tuner will automatically seek and store 6 strong stations in the selected band in order of signal strength.

When the automatic memory has been completed, the tuner goes to the station stored in the preset location No. 1.

Note: If no stations are stored, the tuner will return to the original station you were listening to before the auto memory procedure began.

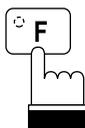


Radio Operation

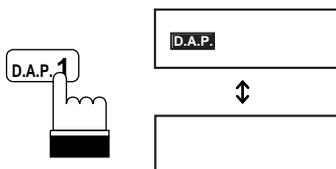


Storing into Direct Access Preset (D.A.P.) Band

A combination of radio stations from any band, AM and FM (up to 6 stations) can be manually preset onto the D.A.P. band.

1

Press the "F" button. The function indicator will turn off.

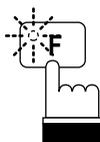
2

Press the D.A.P. button until the D.A.P. indicator appears.

Press the BAND button to select FM or AM. The selected band will be displayed. To memorize stations onto the D.A.P. band, follow the steps for the automatic or Manual Storing of Station Presets section above.

Note: When Automatic Memory Preset is used with D.A.P., 4 FM and 2 AM stations will be stored in Presets 1-4 and 5-6 respectively.

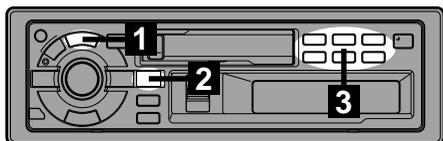
To cancel the D.A.P. mode, press the D.A.P. button. The D.A.P. indicator will turn off.

3

Press the "F" button to activate the normal mode. The function indicator will illuminate.

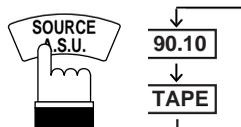


Radio Operation English



Tuning to Preset Stations

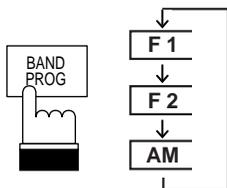
1



Press the SOURCE button until the frequency appears in the display.



2



Press the BAND button repeatedly until the desired band is displayed.

D.A.P.

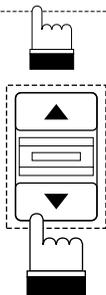
To select the D.A.P. band, press the F button then the D.A.P. button. The D.A.P. indicator will appear in the display.

3



Make sure that the Function indicator illuminates, and press the station preset button that has your desired radio station in memory. The display shows the band, preset number with a triangle and frequency of the station selected.

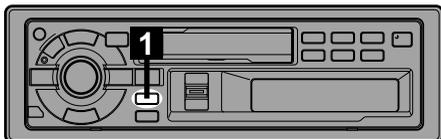
You can also select your desired preset stations by pressing the ▲ and ▼ buttons.



F 2 2 \triangle 90.10

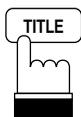


Radio Operation



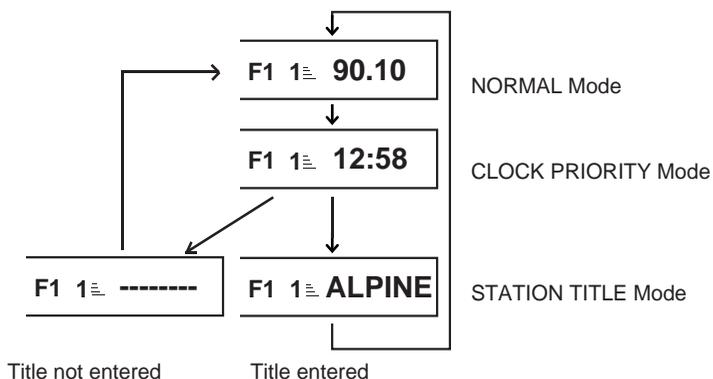
Displaying Station Titles

1



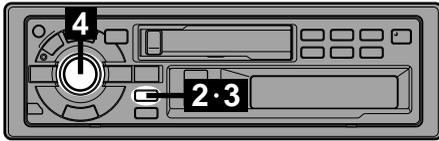
If a title has been entered for the selected station, it can be displayed in place of the frequency. The display will toggle between the frequency and title display with each press of the TITLE button.

(Refer to page 23 to title stations.)





Radio Operation English



Titling Stations

1

Tune in a station to be titled.

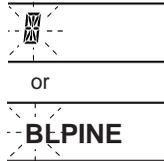


2



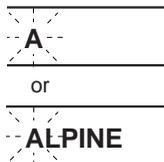
Press the TITLE button twice (once if you are already in the Clock Priority mode) to select the preset station titling mode. "-----" will flash in the display. (Refer to page 22.)

3



Press and hold the TITLE button for at least 3 seconds. The first digit will blink.

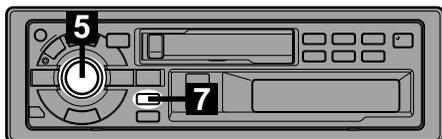
4



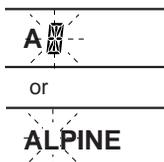
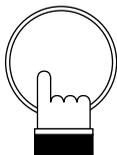
Rotate the AUDIO CONTROL knob to select the desired letter/numeral/symbol available for naming ("A" for example).



Radio Operation



Titling Stations (Continued)

5

Press the Audio Control button to store the first character. The first character will stop blinking and the display will automatically advance to the next character. When that character begins to blink, you may choose the next letter or symbol of your title.

6

Repeat the steps **4** and **5** above to complete the titling. All 8 character positions should be filled. Use spaces where characters are not needed (for example at the end of a 5 character title, use 3 spaces to complete the title).

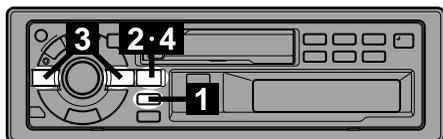
7**ALPINE**

Press and hold the TITLE button for at least **3** seconds to record the title.

- Notes:**
- When you want to erase a title, enter the " " symbol into all spaces. When the title memory is used up, the display shows "FULL DATA." Storing new station titles after the "FULL DATA" message has been displayed, causes previously stored titles to be erased. The new station titles will replace the old titles beginning with the first one created.
 - If the battery lead is disconnected, the memorized titles will be erased.



Radio Operation



Searching Titled Stations (Title Search Menu)

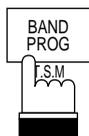
1



Press the TITLE button to activate the Title Display mode.

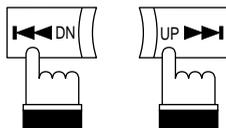


2



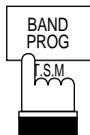
Press and hold the T.S.M. button for at least 2 seconds while the station title is displayed. The titled station in memory blinks in the display.

3



Press the DN ◀◀ or UP ▶▶ button to select the desired station title.

4

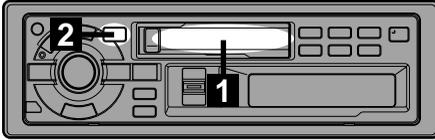


Press the T.S.M. button to play the selected station. The unit will automatically search the station and will play that station.



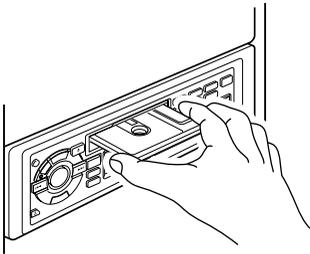
Cassette Player Operation

English



Inserting/Ejecting Cas- sette

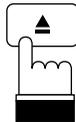
1



TAPE 

Insert a cassette tape into the slot with the open side facing right. When the cassette is loaded, the player automatically starts tape playback and indicates "TAPE" in the display.

2



Press the Eject () button when you want to eject the cassette tape.

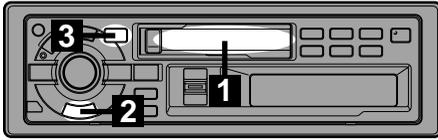
Notes:

1. When power is turned off or the front panel is removed, the full-logic mechanism will automatically switch to the PAUSE mode. This protects the tape from being deformed by the pinch-rollers if left for long periods.
2. Auto Metal
When a metal cassette tape is inserted, the player automatically adjusts the equalization for metal or any other high bias tape for optimum sound.
The display shows "MTL."



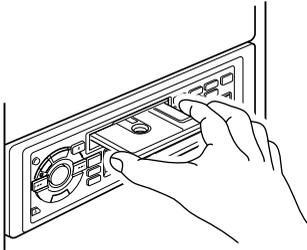
Cassette Player Operation

English



Normal Play

1



 TAPE 

Insert cassette (if there is a cassette already in the player, press the source button) to switch from the tuner or CD Shuttle mode. The player begins playback. The display shows "TAPE" and "△" or "▽" during tape playback to show the tape side being played. When the end of the tape is reached, the unit automatically stops and reverses the tape to play the other side of the tape.

2

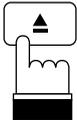


PAUSE 

Press the ►/|| button to pause the tape playback.
Press again to resume the tape playback.

↓
 TAPE 

3



EJECT

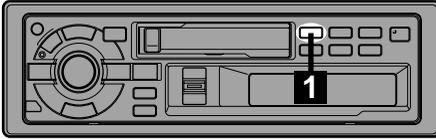
Press the Eject (▲) button to stop the tape play and eject the cassette. The tape-direction indicator disappears.





Cassette Player Operation

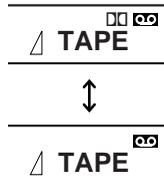
English



Dolby B NR (Noise Reduction) (TDA-7548E only)

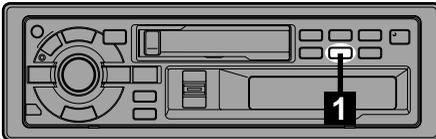
1

After inserting a Dolby B NR encoded tape, press the  button.



The display shows the Dolby NR mark (). The tape noise is reduced in the Dolby NR mode when a Dolby B NR encoded tape is played.

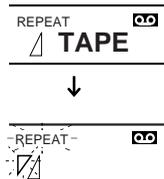
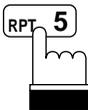
Press the  button to cancel the Dolby NR mode.



Repeat Play

1

Press the RPT button and the REPEAT indicator appears in the display. The current program will be played back repeatedly.

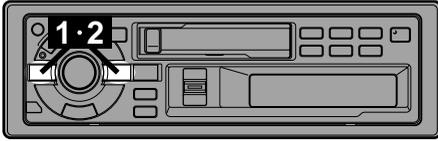


Press the RPT button to stop the repeat play. The REPEAT indicator disappears.



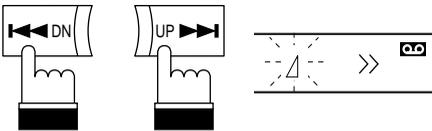
Cassette Player Operation

English



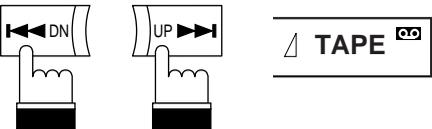
Fast Forward and Rewind

1

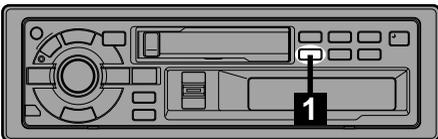


Press the DN or UP button during tape play to fast rewind or forward the tape respectively. The tape side indicator (\triangleleft or \triangleright) blinks and the >> and << symbols will move, indicating the direction of the tape. When the end of the tape is reached in the rewind mode, the player stops automatically and begins playing from the beginning of the same side. When the end of the tape is reached in the fast forward mode, the player stops automatically and begins playing from the beginning of the opposite side.

2



Press the UP button during forwarding to stop fast forwarding and resume tape play. Press the DN button during rewinding to stop rewinding and resume tape play. The tape side indicator stops blinking.



Blank Skip (B.SKIP)

1

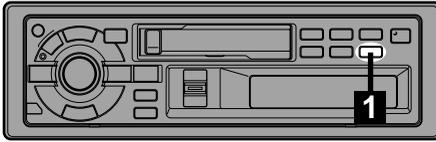


Press the B.SKIP button during tape play to skip over blank portions of the tape lasting 15 seconds or longer, "B.SKIP" appears on the display. Press the B.SKIP button to cancel the blank skip mode. "B.SKIP" disappears from the display.



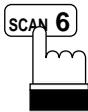
Cassette Player Operation

English



Scanning Programs

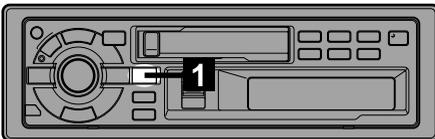
1



Press the SCAN button to play the first 10 seconds of each program on the tape. "SCAN" appears on the display.

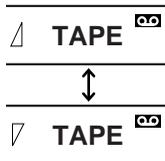
Press the SCAN button to cancel the scanning when the desired program is found.

Note: The SCAN operation cannot detect blank sections of less than 4 seconds.

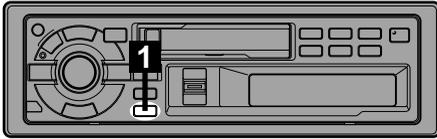


Manual Reverse

1

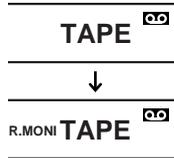


Press the PROG button during tape play to change the direction of play. The tape side indicators (▲ and ▼) change to show which side of the cassette is being played.



Monitoring Radio During Fast Forwarding or Re- winding

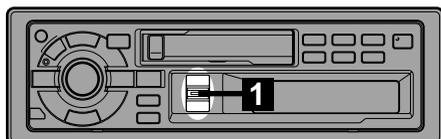
1



Press the R.MONI button. The R.MONI indicator will appear in the display. You can listen to a radio station during the tape rewinding or fast forwarding. Press the R.MONI button again to deactivate the Radio Monitor mode.

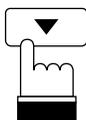
Note: The R.MONI button will only work in the tape mode.





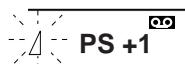
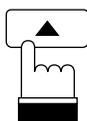
Program Sensor (P.S.)

1



Press the P.S. DN (▼) button once to return to the beginning of the current selection being played. If you wish to return to a selection further back, press repeatedly until the number of selections you would like to skip is shown in the display.

The display will show PS-1 with the first press and will increase by one with each successive press up to PS-9. The tape indicator will blink showing the direction of your search.



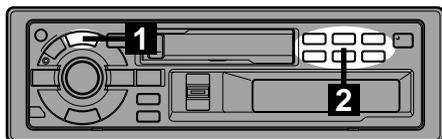
Press the P.S. UP (▲) button once to advance to the beginning of the next selection. If you wish to advance to a selection further ahead, press repeatedly until the number of selections you would like to skip is shown in the display. The display will show PS+1 with the first press and will increase with each successive press up to PS+9. The tape indicator will blink showing the direction of your search during searching operation.

Notes:

- The program sensor feature is functional in the tape play mode only.
- You can advance to the 9th (max.) program or return to the 8th (max.) programme.



English CD Shuttle Operation



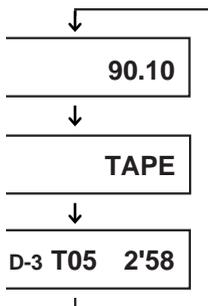
Controlling CD Shuttle (Optional)

An optional Alpine CD Shuttle may be connected to the Ai-NET connector of the TDA-7548E/TDA-7547E. All of the CD functions can be accessed through the head unit's front panel.

The TDA-7548E/TDA-7547E can control multiple Alpine Shuttles when connected through the Multi-Changer Switching device(s) (KCA-400C). See the Multi-Changer Selection section on page 42 for selecting the CD Shuttles.

Note: The CD controls on the TDA-7548E/TDA-7547E will function only when a CD Shuttle is connected.

1



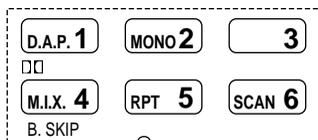
The display example shows when playing Track 5 on Disc 3.

Press the SOURCE button to activate the CD Shuttle. The display shows the disc number and track number.

Note: To start play or pause playback, press the ►/|| button.



2



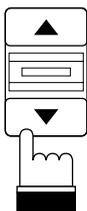
When a 6-disc CD Shuttle is connected:

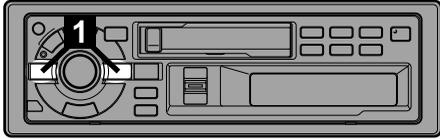
Make sure that the Function indicator illuminated. Press the Preset buttons or ▲ and ▼ buttons to select the desired disc loaded in the CD Shuttle.

When a 12-disc CD Shuttle is connected:

To select the disc numbers from 1 to 6, the procedure is the same as for the 6-disc CD Shuttle. To select the disc numbers from 7 to 12, first press the "F" button to change the "D-" indicator to "d-," then press the desired Preset button. When the "F" button is first pressed, the Preset buttons 1 to 6 act as 7 to 12 respectively.

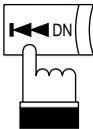
You can also use the ▲ and ▼ buttons to select a desired disc.





Music Sensor (M.S.) Skip

1



D-3 T05 2'36

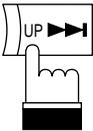


D-3 T05 0'00



D-3 T04 0'00

Momentarily press the DN button once to return to the beginning of the current track. If you wish to return to the beginning of a track further back, repeatedly press until you reach the desired track. (The display example shows when you are playing the track No. 5 of the disc 3.)



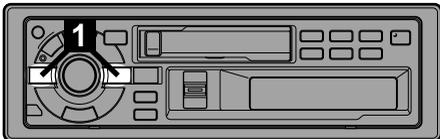
D-3 T05 2'36



D-3 T06 0'00

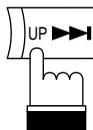
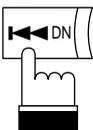
Press the UP button once to advance to the beginning of the next track. If you wish to advance to a track further ahead, press repeatedly until the desired track is reached.

Note: The music sensor feature is functional in the play or pause mode.



Fast Forward and Backward

1

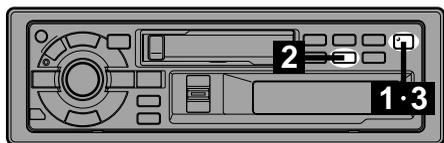


Press and hold the DN or UP button to quickly move backward or forward respectively until you reach the desired portion.

Note: This feature works only in the CD playback mode.

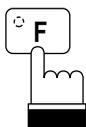


CD Shuttle Operation English



Repeat Play on Single Track or Entire Disc

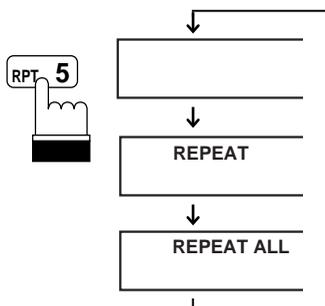
1



Press the "F" (Function) button*. The function indicator will turn off.

* In the 12-disc CD Shuttle mode, press this button twice.

2

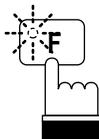


Press the RPT (Repeat) button to display "REPEAT" or "REPEAT ALL" to play back repeatedly the current track being played or the entire disc selected.

Notes:

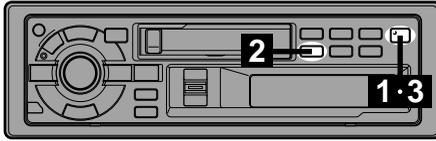
- Single track cannot be repeated during M.I.X. play.
- Setting should be performed within 5 seconds after the "F" button is pressed. The unit will return to the normal mode 5 seconds after pressing the button.

3



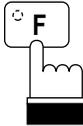
Press the "F" button to activate the normal mode. The function indicator will illuminate.





M.I.X. (Random) Play

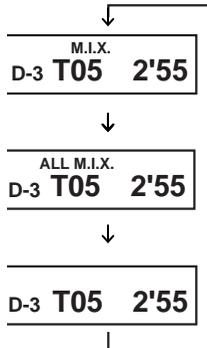
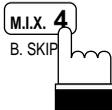
1



Press the "F" button*. The function indicator will turn off.

* In the 12-disc CD Shuttle mode, press this button twice.

2



Press the M.I.X. button during CD play. Each press changes the display indication. Select the desired mode.

M.I.X.: When this mode is selected, the tracks on the currently playing disc will be played back in a random sequence.

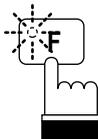
ALL M.I.X.: When this mode is selected, the tracks on all the CD's in the currently loaded magazine will be included in the random playback sequence.

Press the M.I.X. button until the M.I.X. and ALL M.I.X. indicators disappear to cancel the M.I.X. play.

Notes: • The ALL M.I.X. mode is available only when a CD Shuttle equipped with the ALL M.I.X. function is connected to the unit.

• Setting should be performed within 5 seconds after the "F" button is pressed. The unit will return to the normal mode 5 seconds after pressing the button.

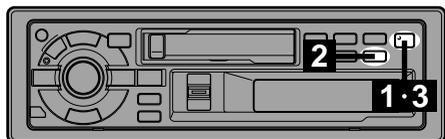
3



Press the "F" button to activate the normal mode. The function indicator will illuminate.

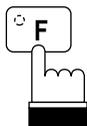


CD Shuttle Operation English



Disc Scan

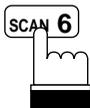
1



Press the "F" button*. The function indicator will turn off.

* In the 12-disc CD Shuttle mode, press this button twice.

2

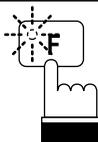


Press the SCAN button to play the first 10 seconds of each track on the disc. The display shows the disc number, elapsed time, "SCAN", and track number being played during scan play.

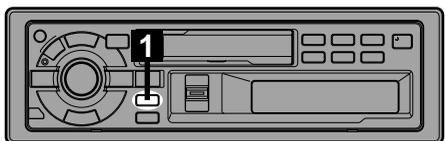
Press the SCAN button again to cancel scan play and resume normal play.

Note: Setting should be performed within 5 seconds after the "F" button is pressed. The unit will automatically return to the normal mode 5 seconds after pressing the button.

3



Press the "F" button to activate the normal mode. The function indicator will illuminate.



To display CD Titles

1

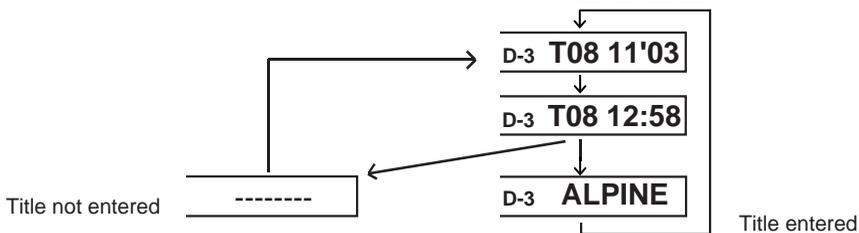


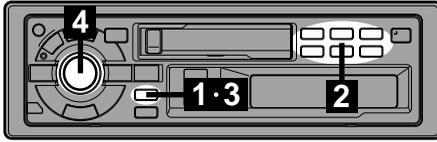
Titles can be displayed for CDs with titles entered.

(Refer to page 38 to title the disc.)

Press the TITLE button in the CD mode.

The display will be switched each time the switch is pressed.





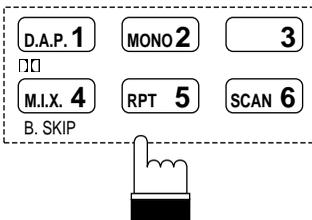
Titling Disc

1



Press the TITLE button to select the disc titling mode.

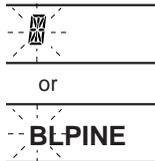
2



Press the Preset buttons to select the desired disc to be titled.

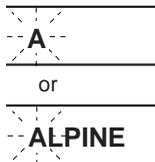
Note: You can also select the desired disc by pressing the ▲ and ▼ buttons.

3



Press and hold the TITLE button for at least 3 seconds. The first digit blinks.

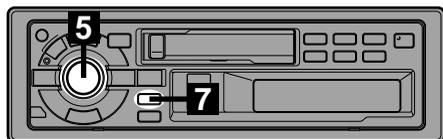
4



Rotate the AUDIO CONTROL knob to select the desired letter/numeral/symbol available for naming ("A" for example).

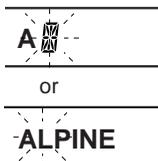
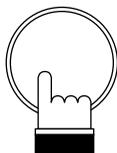


English CD Shuttle Operation



Titling Disc (Continued)

5

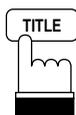


Press the Audio Control button to store the first character. The first character will stop blinking and the display will automatically advance to the next character. When that character begins to blink, you may choose the next letter or symbol of your title.

6

Repeat steps 4 and 5 above to complete the title. All 8 character positions should be filled (use spaces to fill remaining positions for titles less than 8 characters).

7

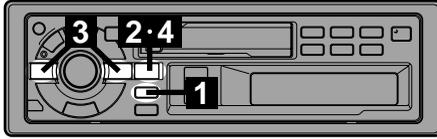


Press and hold the TITLE button for at least 3 seconds to record the title.

Notes:

- When the memory capacity for the disc titles is used up, the display shows "FULL DATA" to indicate that no more title can be memorized. Refer to the Owner's Manual of the CD shuttle interconnected for information about how many discs you can title.
- The CD titles stored in memory will be erased when the Ai-NET cable to the CD Shuttle is disconnected.





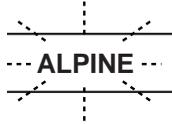
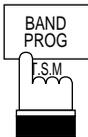
Searching Titled Discs (Title Search Menu)

1



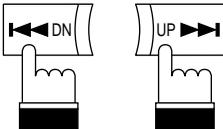
Press the TITLE button to activate the Title Display mode.

2



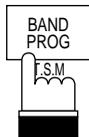
Press and hold the T.S.M. button for at least 2 seconds while the title is displayed. The title in memory blinks in the display.

3



Press the DN ◀◀ or UP ▶▶ button to select the desired disc title.

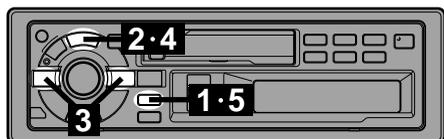
4



Press the T.S.M. button to play the selected disc. The unit will automatically search the disc and will play that disc.



CD Shuttle Operation English



Erasing Disc Title

1



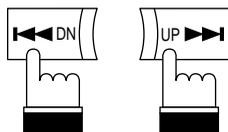
Press the TITLE button to select the disc titling mode. Then press and hold it for at least **3** seconds.

2



Press and hold the SOURCE button for at least **3** seconds to activate the title erasing mode. The title in the display will blink, for example "ALPINE."

3



Press the DN or UP button repeatedly until the disc title you want to erase is displayed.

4



Press and hold the SOURCE button for at least **3** seconds to erase the disc title displayed.

5

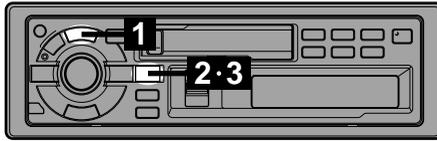


Press and hold the TITLE button for at least **3** seconds to cancel the disc title erasing mode.



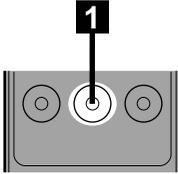


CD Shuttle Operation



Multi-Changer Selection

Alpine's Ai-NET system will support up to 6 CD Shuttles. When operating two or more changers, they must be connected through the Multi-Changer Switching device (KCA-400C) to the TDA-7548E/TDA-7547E. If you use 1 Switching device, you can connect up to 4 CD player/Shuttles. If you use 2 Switching devices, you can connect up to 6 CD player/Shuttles.



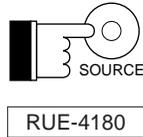
TDA-7548E only **RUE-4180**
(Remote Control)

1



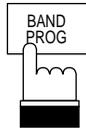
Press the SOURCE button on the TDA-7548E/TDA-7547E to activate the CD Shuttle mode.

TDA-7548E only



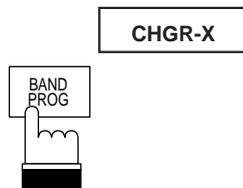
Press the AUDIO SEL or SOURCE button on the Remote Controller RUE-4180 respectively to activate the CD Shuttle mode. Proceed to Step 3 below to select the desired player/changer.

2



Press the PROG button on the TDA-7548E/TDA-7547E to activate the CD Shuttle Selection mode.

3



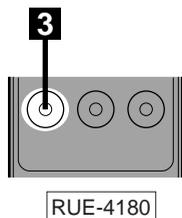
The CD Shuttle Selection mode remains active for 3 seconds after Step 2 is performed. Press the PROG button until the desired CD Shuttle indicator appears on the display.

Note: If the selected player/changer is not connected, "NO CHGR-X" will appear in the display.



CD Shuttle Operation English

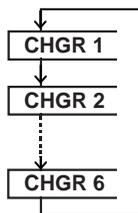
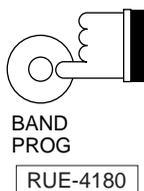
TDA-7548E only



Multi-Changer Selection (Continued)

3

TDA-7548E only



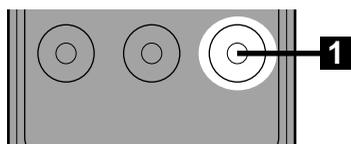
Press the PROG button on the Remote Controller until the desired changer indicator appears on the display.

4

To operate the selected changer, see "CD Shuttle Operation" section, pages 33-41.



Clock Operation



RUE-4180

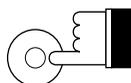
(Remote Control)

Activating Equalizer or Divider (optional) (TDA-7548E only)

If an optional Alpine Equalizer or Divider is Ai-NET connected to the unit, you can operate the Equalizer or Divider from the Remote Controller RUE-4180 (supplied with TDA-7548E).

1

Press the A.PROC button repeatedly to select the desired equalizer mode or the Divider mode.



A.PROC

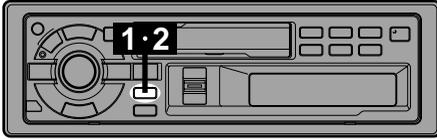
RUE-4180

Press the A.PROC button repeatedly until the head unit mode is turned on to deactivate the equalizer or divider mode.

Notes:

- The TDA-7548E can adjust each mode.
- For operations of the Equalizer or Divider, refer to the Owner's Manuals for them.

Clock Operation



Displaying Time

1



12:00

Press the CLK (Clock) button to display the time. The unit displays the clock time.

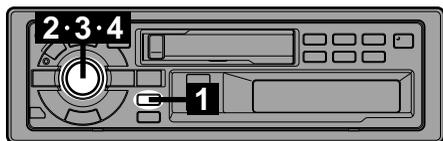
Note: Selecting any tuner, tape or CD function while in the clock mode will interrupt the time display momentarily. The function selected will be displayed for about 5 seconds before the time returns to the display. The time will be displayed even with power to the head unit turned off, as long as the ignition key is on.

2



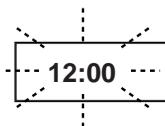
Press the CLK (Clock) button to turn off the time and to show other functions.

Clock Operation



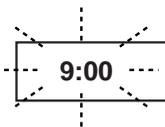
Setting Time

1



Press and hold the CLK (Clock) button for at least 3 seconds until the time indication blinks.

2



Example: To adjust to 9:35.

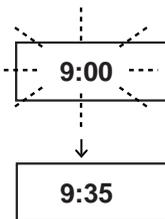
Rotate the Audio Control knob to adjust the hours while the time indication is blinking.

3



When the hours has been adjusted, press the Audio Control button.

4

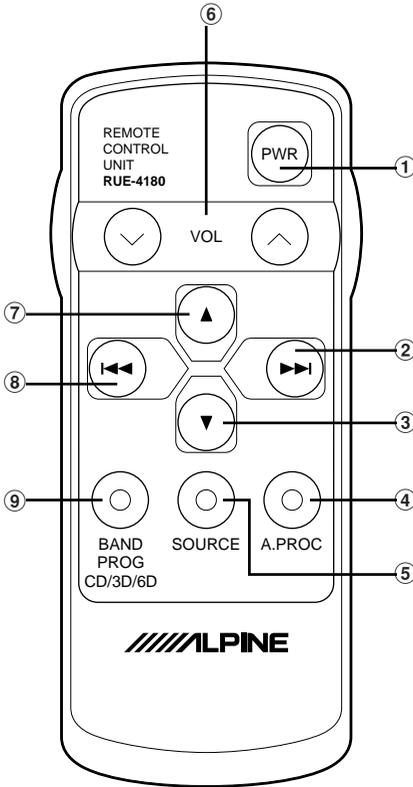


Rotate the Audio Control knob to adjust the minutes while the time indication is blinking. The time is automatically set and the time indication changes from blinking to steady lighting 5 seconds after adjusting the minutes.

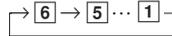
Remote Control

(TDA-7548E only)

Controls



- ① **Power Switch**
Press the switch to turn the power on/off.
- ② **SEEK (UP) Button**
Radio mode: SEEK (UP) Button
Tape mode: FF Button
CD Shuttle mode: Press the button to advance to the beginning of the next track.
- ③ **SEEK (DN) Button**
Radio mode: Pressing the button will select, in descending order, stations programmed into the radio's presets as shown below.



Tape mode: Pressing the button automatically seeks a previous musical track following several tracks from the current track, depending upon the number of the button pressed.

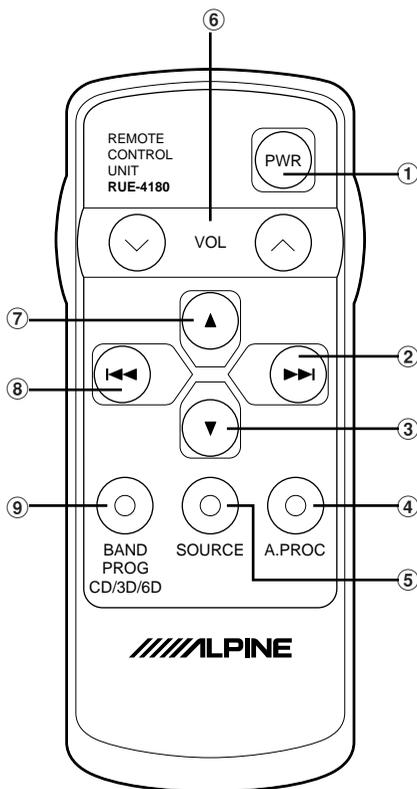
CD Shuttle mode: DISC Select (DN) Button
Press the button to select a disc in descending order.

External audio processor mode:
Press the button to select the equalizer, surround preset called with the A. PROC button.

- ④ **A.PROC Button ****
Press the button to call the external audio processor mode. *
- ⑤ **Audio Select Button**
Press to select the audio source.
- ⑥ **Volume Adjustment Buttons**
To increase the volume level...
Press the ▲ button
To decrease the volume level...
Press the ▼ button

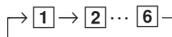
Remote Control

(TDA-7548E only)



⑦ Button

Radio mode: Pressing the button will select, in ascending order, stations programmed into the radio's presets as shown below.



Tape mode: Pressing the button automatically seeks a next musical track following several tracks from the current track, depending upon the number of the button pressed.

CD Shuttle mode: DISC Select (UP) Button

Press the button to select a disc in ascending order.

External audio processor mode:

Press the button to select the equalizer, surround preset called with the A. PROC button.

⑧ Button

Radio mode: SEEK (DN) Button

Tape mode: REW Button

CD Shuttle mode: Press the button to go back to the beginning of the current track.

⑨ **Band/Program Button**

Radio mode: BAND Button

Tape mode: Program Button

Press the button to change playback direction. In combination of an Ai-NET applicable head unit and multiple CD sources... Press the button to select a CD source.

Press the button, and the band will change as shown below.

* For the operation of external audio processor, refer to the Owner's Manual of the external audio processor you purchased.

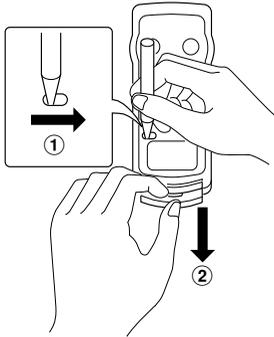
** The button is effective with Ai-NET system unit used.

Remote Control

(TDA-7548E only)

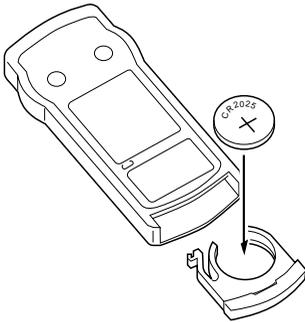
Battery Replacement

Applicable battery: Use one CR2025 or equivalent.



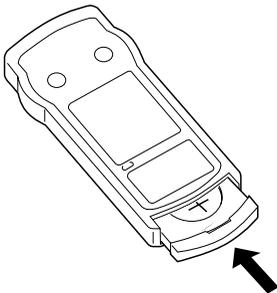
Opening the battery case

- ① Place the remote upside down at a location that is level. Looking at the back of the remote, grasp the bottom of the unit between your fore finger and thumb. Insert a pointed object into the hole. Keeping on sliding the pointed object in the direction indicated by the arrow.
- ② Pull the rear cover out with your thumb at the same time.



Replacing the battery

Put the battery in the case with the (+) indication upward as shown in the illustration.



Closing the case

Push the battery holder back into the remote until a click is heard.

In Case of Difficulty

If you encounter a problem, please review the items in the following checklist. This guide will help you isolate the problem if the unit is at fault. Otherwise, make sure the rest of your system is properly connected or consult your authorized Alpine dealer.

Initial Turn-on After Installation

| Symptom | Cause and Solution |
|-------------------------|--|
| No function or display. | <ul style="list-style-type: none">• Car's ignition is off.<ul style="list-style-type: none">– If connected following instructions, the unit will not operate with the car's ignition off. <hr/> <ul style="list-style-type: none">• Improper power lead connections.<ul style="list-style-type: none">– Check power lead connections. <hr/> <ul style="list-style-type: none">• Blown fuse.<ul style="list-style-type: none">– Check the fuse on the rear panel of the unit; replace with the proper value if necessary. |

-
-

In Case of Difficulty

Radio Mode

Symptom

Cause and Solution

Unable to receive stations.

- No antenna or open connection in cable.
 - Make sure the antenna is properly connected; replace the antenna or cable if necessary.

Unable to tune stations in the seek mode.

- You are in a weak signal area.
 - Make sure the tuner is in the DX mode.
- If the area you are in is a primary signal area, the antenna may not be grounded and connected properly.
 - Check your antenna connections; make sure the antenna is properly grounded at its mounting location.
- The antenna may not be the proper length.
 - Make sure the antenna is fully extended; if broken, replace the antenna with a new one.

Broadcast is noisy.

- The antenna is not the proper length.
 - Extend the antenna fully; replace it if it is broken.
- The antenna is poorly grounded.
 - Make sure the antenna is grounded properly at its mounting location.

Tape Mode

Output sounds dull.

- The tape head needs cleaning.
 - Clean the tape head.
 - Incorrect Dolby NR in use.
 - Check Dolby NR switch setting.
-

In Case of Difficulty

CD Shuttle Mode

Symptom

Cause and Solution

CD not functioning.

- Out of operating temperature range +50°C (+120°F) for CD.
 - Allow the car's interior (or trunk) temperature to cool.

CD playback sound is wavering.

- Moisture condensation in the CD Module.
 - Allow enough time for the condensation to evaporate (about 1 hour).

Unable to fast forward or backward.

- The CD has been damaged.
 - Eject the CD and discard it; using a damaged CD in your unit can cause damage to the mechanism.

Sound skips due to vibration.

- Improper mounting of the CD Shuttle.
 - Securely re-mount the CD Shuttle.
- Disc is very dirty.
 - Clean the disc.
- Disc has scratches.
 - Change the disc.

Sound skips without vibration.

- Dirty or scratched disc.
 - Clean the disc; damaged discs should be replaced.

In Case of Difficulty

Indication for CD Shuttle

Indication

Cause and Solution

HI TEMP

- Protective circuit is activated due to high temperature.
 - The indicator will disappear when the temperature returns to within operation range.

ERROR-01

- Malfunction in the CD Shuttle.
 - Consult your Alpine dealer.
Press the magazine eject button and pull out the magazine. Check the indication. Insert the magazine again. If the magazine cannot be pulled out, consult your Alpine dealer.

- Magazine ejection not possible.
 - Press the magazine eject button.
If the magazine does not eject, consult your Alpine dealer.

ERROR-02

- A disc is left inside the CD Shuttle.
 - Press the EJECT button to activate the eject function. When the CD Shuttle finishes the eject function, insert an empty CD magazine into the CD Shuttle to receive the disc left inside the CD Shuttle.

NO MAGZN

- No magazine is loaded into the CD Shuttle.
 - Insert a magazine.

NO DISC

- No indicated disc.
 - Choose another disc.

Specifications

FM TUNER SECTION

| | |
|-------------------------------------|--------------------------------|
| Tuning Range | 87.5 – 108.0 MHz |
| Mono Usable Sensitivity | 9.3 dBf (0.8 μ V/75 ohms) |
| 50 dB Quieting Sensitivity | 13.5 dBf (1.3 μ V/75 ohms) |
| Alternate Channel Selectivity | 80 dB |
| Signal-to-Noise Ratio | 65 dB |
| Stereo Separation | 35 dB |
| Capture Ratio | 2.0 dB |

AM TUNER SECTION

| | |
|--------------------------|-----------------|
| Tuning Range | 531 – 1,602 kHz |
| Usable Sensitivity | 22.5 μ V |

TAPE PLAYER SECTION

| | |
|---|-----------------------------------|
| Tape Speed | 1-7/8 ips (4.8 cm/sec) \pm 0.7% |
| Wow & Flutter | 0.06% |
| Tape Signal-to-Noise Ratio With Dolby B NR On (TDA-7548E only)/Off | 68/60 dB |
| Frequency Response With Alpine Test Tape | 30–20,000 Hz (\pm 3 dB) |

Specifications

REMOTE CONTROL (TDA-7548E only)

Battery Type CR2025 battery (1 pc.)

REMOTE CONTROL SIZE (TDA-7548E only)

Width 39 mm (1–9/16")

Height 6 mm (1/4")

Depth 90 mm (3–1/2")

Weight without battery 17 gr (0.6 oz)

Specifications

GENERAL

| | |
|----------------------------------|---------------------------------|
| Power Requirement | 14.4 V DC (11–16 V (allowable)) |
| Maximum Pre-Output Voltage | 2 V/10k ohms |
| Maximum Power Output* | 35 W × 4 |
| Continuous Power Output** | 10 W × 4 |
| Output Voltage | 500 mV/10 k ohms |
| Bass | ±15 dB at 30 Hz |
| Treble | ±10 dB at 10 kHz |
| Weight | 1.4 kg (3 lbs. 1 oz) |

CHASSIS SIZE

| | |
|--------------|-------------|
| Width | 178 mm (7") |
| Height | 50 mm (2") |
| Depth | 152 mm (6") |

NOSEPIECE SIZE

| | |
|--------------|------------------|
| Width | 170 mm (6–3/4") |
| Height | 46 mm (1-13/16") |
| Depth | 18 mm (11/16") |

Note: Due to continuous product improvement, specifications and design are subject to change without notice.

* Under maximum operating voltage and input signal, into 4 ohms.

** 0.8% THD, at 14.4 V battery voltage.

Note: Due to continuous product improvement, specifications and design are subject to change without notice.