

**P-78**

**HIGH POWER DETACHABLE FACE  
ELECTRONICALLY-TUNED AM/FM/MPX RADIO  
WITH AUTO-REVERSE CASSETTE PLAYER,  
QUARTZ CLOCK AND CD CHANGER CONTROLS**

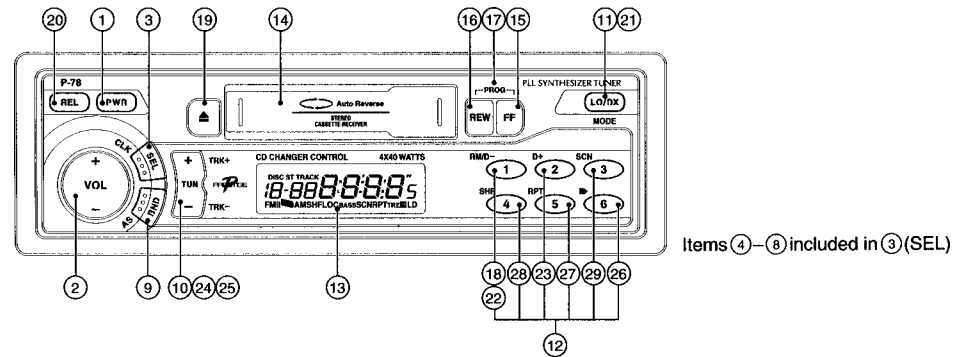


**OWNER'S  
MANUAL**

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# OPERATING INSTRUCTIONS



## ① ON-OFF POWER BUTTON

Press this button to turn the unit on or off. The unit will also turn on automatically when a cassette tape is inserted if the ignition switch is "on".

## ② VOLUME LEVEL CONTROL (VOL+ / VOL-)

To increase the volume level, press the "VOL +" side of the button. The volume will increase and the level will be shown on the display panel from a minimum of 0 to a maximum of 80. To increase the volume quickly, keep the button pressed. To decrease the volume level, press the "VOL -" side of the button. Keep the button pressed to decrease the volume quickly. The display will automatically return to the normal indication 5 seconds after the last volume adjustment or when another function is activated. These buttons are also used in conjunction with the Select (SEL) button ③ to adjust the bass, treble, balance, and fader levels as described in ④, ⑤, ⑥ and ⑦.

## ③ SELECT BUTTON (SEL) DISPLAY CLOCK

This button is used to select the audio function (volume, bass, treble, balance, or fade) to be adjusted using the Level Control ②, as well as the indication (time, frequency, or radio pre-set number) shown on the display panel. A momentary press of the button will change the display from radio frequency to clock time. After 5 seconds, the display will automatically return to frequency.

Additional momentary presses of the button will set the unit for bass adjustment (level number above "BASS" will flash on display panel), treble (level number above "TRE" will flash), loudness ("LOUD" on display), balance ("bAL" on display), fader ("FAd") or volume (level number). The display will automatically return to the normal indication 5 seconds after the last adjustment is made or when another function is activated.

**NOTE:** Release the button as soon as the display changes from frequency to time (approximately 2 seconds). Holding the button in for too long will put the unit into time setting mode (flashing time display). See section on "Setting the Clock".

#### ④ BASS CONTROL

To adjust the bass level, first select the Bass mode by pressing the Select button ③ so that the level number above the "BASS" indication is flashing. Within 5 seconds of choosing the Bass mode, press the + or - side of the Level control ② to adjust the bass response as desired. The bass level will be shown on the display panel from a minimum of -7 to a maximum of 7 (0 is flat response). The display will automatically return to the normal indication 5 seconds after the last adjustment or when another function is activated.

#### ⑤ TREBLE CONTROL

To adjust the treble level, first select the Treble mode by pressing the Select button ③ so that the level number above the "TRE" indication is flashing. Within 5 seconds of choosing the Treble mode, press the + or - side of the Level control ② to adjust the treble response as desired. The treble level will be shown on the display panel from a minimum of -7 to a maximum of 7 (0 is flat response). The display will automatically return to the normal indication 5 seconds after the last adjustment or when another function is activated.

#### ⑥ LOUDNESS CONTOUR (LOUD)

To adjust the Loudness Contour, first select the Loudness mode by pressing the Select (SEL) ③ so that "LOUD" indication appears on the display panel. Within 5 seconds press either (+) for "On" or (-) for "Off". When listening to music at low volume levels, this feature will boost the bass and treble ranges to compensate for the characteristics of human hearing.

#### ⑦ LEFT/RIGHT BALANCE CONTROL

To adjust the left-right speaker balance, first select the Balance mode by pressing the Select button ③ so that the "bAL" indication appears on the display panel. Within 5 seconds of choosing the Balance mode, press the - side of the Level Control ② to adjust the stereo balance to the left channel speakers or the + side to adjust it to the right channel speakers. When the volume level between the right and left channels is equal, "0-0" will be shown on the display panel. Adjusting the balance toward the right will increase the number on the right side of the display to a maximum of "0-9" (full right). Adjusting the balance toward the left will increase the number on the left side of the display to a maximum of "9-0" (full left). The display will automatically return to the normal indication 5 seconds after the last balance adjustment or when another function is activated.

#### ⑧ FRONT/REAR FADER CONTROL

To adjust the front-rear speaker balance, first select the Fader mode by pressing the Select button ③ so that the "FAd" indication

appears on the display panel. Within 5 seconds of choosing the Fader mode, press the + or the - side of the Level Control ② to adjust the front-rear speaker levels as desired. When the level of the front and rear speakers is equal, "0-0" will be shown on the display panel. Adjusting the fader toward the front speakers will increase the number on the right side of the display to a maximum of "0-9" (full front). Adjusting the fader toward the rear speakers will increase the number on the left side of the display to a maximum of "9-0" (full rear). The display will automatically return to the normal indication 5 seconds after the last fader adjustment or when another function is activated.

#### ⑨ **AM/FM BAND SELECTOR (BND) AUTO-STORE TUNING (AS)**

During radio operation, each momentary press of this button will change the radio band. The indication "AM", "FMI", or "FMII" will appear on the display panel according to your selection.

Pressing and holding the button for longer than 2 seconds will activate the Auto-Store Tuning function which will automatically scan the AM or FMII bands and enter strong stations into the pre-set memory positions for that band. If you have already set the pre-set memories on the AM or FMII bands to your favorite stations, activating the Auto-Store feature will erase those stations and enter new ones. This feature is most useful when travelling in a new area where you are not familiar with the local stations.

#### ⑩ **MANUAL UP/DOWN TUNING (TUN+ / TUN-) AUTOMATIC SEEK TUNING**

Each time the + side of the button is tapped, the radio will tune one frequency step higher. Similarly, each tap of the - side of the button will tune one frequency step lower. To manually tune in a station, tap the button of the appropriate direction until the desired frequency is reached.

Pressing either side of the button for longer than 0.5 seconds and then releasing will activate the Automatic Seek Tuning function in the selected direction. The radio will seek the next available station and stop at that frequency. The Seek function can be stopped by pressing the button again or activating any other tuning function.

Pressing either side of the button for longer than 0.5 seconds will cause the radio to continue tuning rapidly in the selected direction until the button is released, at which point it will seek to the next available station.

#### ⑪ **LOCAL/DISTANT SELECTOR (LO/DX)**

This feature is used to select the strength of the signals at which the radio will stop during Automatic Seek Tuning. Pressing and holding the button for two seconds will select the Local setting ("LOC" will appear on the display panel) and only strong (local) stations will be received. Pressing and holding the button again for two seconds will select the Distant setting ("LOC" will disappear from the display panel) and the radio will stop at a wider range of signals, including weaker (more distant) stations.

## ⑫ STATION PRE-SET MEMORIES

To set any of the 6 pre-set memories in each band, use the following procedure:

1. Turn the radio on and select the desired band.
2. Select the first station to be pre-set using the Manual Up/Down or Automatic Seek Tuning Controls ⑨ .
3. Press the pre-set button to be set and continue to hold it in. After approximately 2 seconds, the display will flash, the volume will be momentarily muted and the pre-set button number (P1, P2, etc.) will momentarily appear on the display panel indicating that the station is now set into that pre-set memory position. The station can now be recalled at any time by pressing that button.
4. Repeat the above procedure for the remaining 5 pre-sets on that band and for the other 2 bands on the unit.

## ⑬ LIQUID CRYSTAL DISPLAY PANEL

The Liquid Crystal Display (LCD) panel displays the frequency, time, and activated functions.

**NOTE:** It is a characteristic of LCD panels that, if subjected to cold temperatures for an extended period of time, they may take longer to illuminate than under normal conditions. In addition, the visibility of the numbers on the LCD may slightly decrease. The LCD read-out will return to normal when the temperature increases to a normal range.

## ⑭ CASSETTE DOOR

Hold the cassette with the exposed tape edge to the right and insert it into the cassette door. Depress fully until the cassette is engaged and begins playing as shown by the tape direction indication on the display panel. When the cassette reaches the end on the side of the tape being played, the unit will automatically change direction of play as shown by the direction arrow and play the other side of the cassette.

**NOTE:** Observe cassette operation Cautions in the Care and Maintenance section of this manual.

## ⑮ FAST-FORWARD BUTTON (FF)

Pushing the Fast-Forward button will cause the tape to move rapidly in the forward direction of play (tape direction arrow on display panel will flash). To stop Fast-Forward movement, lightly push the Rewind Button ⑮ until the Fast-Forward button disengages.

## ⑯ REWIND BUTTON (REW)

Pushing the Rewind button will cause the tape to move rapidly in the reverse direction of play (opposite tape direction arrow on display panel will flash). To stop Rewind movement, lightly push the Fast-Forward button ⑮ until the Rewind button disengages.

**⑰ PROGRAM SELECTOR (PROG)**

To manually reverse tape direction and play the other side (program) of the cassette, lightly push both the Fast-Forward ⑰ and Rewind ⑱ buttons at the same time. The change of direction will be shown by the tape direction arrow on the display panel.

**⑱ RADIO MONITOR (RM)**

This feature allows you to listen to the last selected radio station during Fast-Forward or Rewind of the cassette. To activate the function, press the Radio Monitor button (RM). The radio frequency will be displayed along with the Fast-Forward or Rewind arrow. To deactivate the function press the button again.

**⑲ EJECT BUTTON (▲)**

Tape playback is stopped and the cassette is ejected by pressing this button, which also has the function of switching over to radio operation.

**NOTE:** Never leave a cassette engaged in the player when not in use. Doing so can cause damage to the cassette and/or mechanism of the unit. Always press the eject button and remove the cassette before removing the detachable front panel.

**⑳ FRONT PANEL RELEASE BUTTON**

This button is used to release the mechanism that holds the front panel to the chassis. To detach the front panel, press the button so that the left side of the panel is released. Grasp the released side and pull it off of the chassis. To re-attach the panel, position the right side of the panel in place first and then press the left side of the panel until the mechanism locks it into place.

**㉑ MODE SELECTOR**

Pressing this button will cycle through the various playback modes.

RADIO ⇨ CASSETTE ⇨ CDC (if connected) ⇨ RADIO...

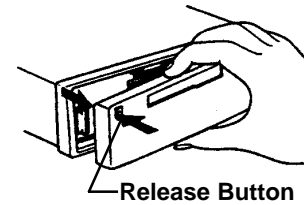
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## NOTES ON USE OF FRONT PANEL

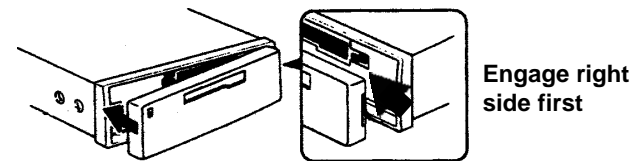
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1. Make sure the front panel is right-side-up when attaching it to the chassis as it cannot be attached when up-side down.
2. Do not press very hard on the front panel when attaching it to the chassis. No more than light to moderate pressure should be needed.
3. When attaching the front panel, make sure the right side is correctly engaged before pressing the left side to lock it into position.
4. When taking the front panel with you, please use the supplied carrying case to protect the panel from dirt and damage. Make sure there is no dust or dirt on the electrical terminals on the back of the panel as this could cause intermittent operation or other malfunctions.

### DETACHING THE FRONT PANEL



### ATTACHING THE FRONT PANEL



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## SETTING THE CLOCK

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1. Turn the radio on so that the radio frequency or clock time is shown on the display panel.
2. Press and hold the Select button (ⓐ) approximately 4 seconds until the time display begins flashing.
3. While the time display is still flashing, press the Volume button ( + ) to adjust the hours and the Volume button ( - ) to adjust the minutes to the correct time.
4. When the correct time is shown on the display panel, press the Select button (ⓐ) again to return to normal display.

## CD CHANGER CONTROLS

Built into this unit are controls to operate an optional CD changer. Please check with your Prestige car stereo specialist for recommendations of the models that will work with this unit.

Adjustment of the audio functions (volume, tone, balance, and fader) for the CD changer operate in the same manner as they do for radio and cassette play. The following controls will operate the CD changer when it is installed and connected to this unit. Refer to the owner's manual included with the CD changer for instructions on the installation and correct loading and use of the CD magazine.

### ⑳ MODE SELECTOR

With the CD changer connected to the unit, this button is used to select CD changer operation. To choose CD mode, press the button until the indication "DISK TRACK" appears on the display panel. The display will then change to indicate the disc number and track number. Press the Mode button again to change back to radio or tape operation.

### ㉑ & ㉒ DISC SELECT (D+) (D-)

These buttons are used to select the desired disc for play. To advance to a higher number disc, press the "D+" button ㉑. To return to a lower number disc, press the "D-" button ㉒. The number of the selected disc in play will be shown on the display panel.

### ㉓ TRACK SELECT

These buttons are used to quickly select the beginning of a particular track. With each momentary tap of the Forward Track Select button (TRK+), the next higher track number will be selected as shown on the display panel. Similarly, with each momentary tap of the

Backward Track Select button (TRK-), the next lower track number will be selected.

### ㉔ CUE/REVIEW FUNCTIONS

High-speed audible search to any section of the disc can be made by the Cue and Review functions. Press and hold the TRK+ button to advance rapidly in the forward direction or the TRK- button to advance rapidly in the reverse direction. During either function, the elapsed time within each track will automatically be shown on the display panel. When the button is released, the CD resumes normal play.

### ㉕ PAUSE/PLAY SELECTOR (II▶)

During disc play, press this button to temporarily stop play of the disc ("PAUS" will appear on the display panel and flash). Press the button again to resume play of the disc from the point at which it was stopped. Pause mode will also be canceled by activating the Disc Select ㉑ and ㉒, Track Select ㉓, or Cue/Review ㉔ functions.

### ㉖ TRACK/DISC REPEAT (RPT)

When the Repeat button is pressed, play of the selected track will be continually repeated ("RPT" will appear on the display panel). The Track Repeat mode will be canceled by pressing the Repeat button again ("RPT" will disappear from the display panel) or by activating the Shuffle ㉗ or Scan ㉘ functions.

When the Repeat button is pressed and held longer than 2 seconds, play of the selected disc will be continually repeated ("RPT" and **D** will appear on the display panel). The Disc Repeat mode will be canceled by pressing the Repeat button again ("RPT" and **D** will disappear from the display panel) or by activating the Shuffle ㉗ or Scan ㉘ functions.

### Ⓜ TRACK/DISC SHUFFLE (SHF)

When the Shuffle button is pressed, the tracks on the disc will be played in a random, shuffled order (“SHF” will appear on the display panel). The Track Select button ⑭ will also select tracks in the shuffled order instead of the normal progression. When all tracks on the disc have been played in shuffled order, the next disc will be selected in normal order and its tracks played in shuffled order. The Track Shuffle mode will be canceled by pressing the Shuffle button again (“SHF” will disappear from the display panel) or by activating the Repeat ⑰ or Scan ⑱ functions.

When the Shuffle button is pressed and held longer than 2 seconds, both the discs and the tracks will be played in a random, shuffled order (“SHF” and **D** will appear on the display panel). After all tracks on the disc have been played, the changer will select a new disc in shuffled order and play its tracks in shuffled order. The Disc Shuffle mode will be canceled by pressing the Shuffle button again (“SHF” and **D** will disappear from the display panel) or by activating the Repeat ⑰ or Scan ⑱ functions.

### Ⓝ TRACK/DISC SCAN (SCAN)

When the Scan button is pressed, the first 10 seconds of each track on the disc will be played in order (“SCAN” will appear on the display panel and the track number will flash). When a desired track is reached, press the Scan button again and play of that track will continue (“SCAN” will disappear from the display panel and the track number will stop flashing). The Track Scan mode will also be canceled by activating the Disc Select ② & ③, Track Select ⑭, Repeat ⑰, or Shuffle ⑳ functions.

When the Scan button is pressed and held longer than 2 seconds, the first 10 seconds of the first track on each disc will be played (“SCAN” and **D** will appear on the display panel and the disc number will flash).

When a desired disc is reached, press the Scan button again and play of the disc will continue (“SCAN” and **D** will disappear from the display panel and the disc number will stop flashing). The Disc Scan mode will also be canceled by activating the Disc Select ② & ③, Track Select ⑭, Repeat ⑰, or Shuffle ⑳ functions.

## CD CHANGER ERROR CODES

If a problem should develop while operating the CD changer, the following error codes may appear on the display panel.

- EJ:** Indicates that there is no magazine loaded in the CD changer.
- no\_d:** Indicates that there are no discs loaded in the CD magazine in the changer.
- E-01, etc.:** Indicates an error in the laser reading the disc in slot #1 of the magazine (**E-02** for disc in slot #2, etc.). Eject the magazine, remove the indicated disc and make sure it is clean, undamaged, and loaded correctly (label side up or down as per CD changer owner’s manual). Clean and re-load the disc(s) as appropriate and check for proper operation or try another disc.
- E-95:** Indicates a communication error between the radio and CD changer. Check the connections and cable of the changer.
- E-99:** Indicates excessive temperature conditions at the CD changer. The error code will go off and play will resume when the temperature at the changer returns to a normal range.

## ***SPECIFICATIONS:***

Size:	7" W x 2" H x 6-1/8" D 178mm x 50mm x 155mm
Operating Voltage:	12 volts DC, negative ground
Output Power:	160 watts maximum (40 watts x 4 channels)
Output Wiring:	Floating-ground type designed for 4 speaker use. The amplifiers in this unit are <u>NOT</u> designed for use with 2 speakers
Output Impedance:	Compatible with 4-8 ohm speakers
Tuning Range:	AM: 530 - 1,710 KHz. (10 KHz. step) FM: 87.5 - 107.9 MHz. (200 KHz. step)
Sensitivity:	AM: 20 uv FM: 1.5 uv
FM Stereo Separation:	30 dB
Tape Frequency Response:	50-15,000 Hz.
Tape S/N Ratio:	50 dB
Wow & Flutter:	0.15% WRMS

\*Specifications are subject to change without notice.

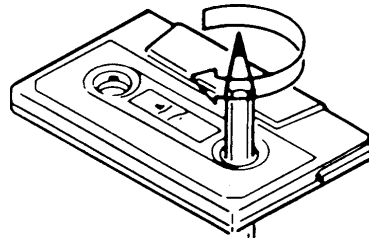
## ***CARE AND MAINTENANCE***

The radio portion of your new sound system does not require any maintenance. We recommend you keep this manual for future reference of the many features found in this unit.

As with any cassette player, the cassette section of this sound system does require a minimum of maintenance to keep it in good working condition. The following simple care and maintenance suggestions should be followed to prevent malfunctions of the cassette system.

### **CASSETTE CARE:**

1. Purchase a cassette cleaning kit from your local retail store. Use it! At least every 20 to 30 hours of operation you must clean the cassette mechanism. A dirty cassette player will have a poor sound.
2. Do not use cassettes that exceed 45 minutes of play on each side.
3. Do not insert a cassette that appears to be broken, twisted or dirty or with loose or torn labels on it.
4. Always keep your cassettes away from direct sunlight or exposure to sub-freezing conditions. If a cassette is cold, allow it to warm up before use.
5. Do not keep a cassette in the player when not in use.
6. Before inserting a cassette in the player, check that the tape is tightly wound on the reels. Take up any excess slack using a pencil to turn the drive hub in the cassette (see diagram below).





## 12 / 24 MONTH LIMITED WARRANTY

*Applies to automotive radios, radio/tape players, radio/CD players, CD changers, power amplifiers, equalizers and accessories.*

AUDIOVOX CORPORATION (the Company) warrants to the original retail purchaser of this product that should this product or any part thereof, under normal use and conditions, be proven defective in material or workmanship within 12 months from the date of original purchase, such defect(s) will be repaired or replaced with new or reconditioned product (at the Company's option) without charge for parts and repair labor.

To obtain repair or replacement within the terms of this Warranty, the product is to be delivered with proof of warranty coverage (e.g. dated bill of sale), specification of defect(s), transportation prepaid, to an approved warranty station or the Company at the address shown below.

The warranty period will be extended to 24 months from the date of original purchase if the product is installed by an authorized Prestige Audio dealer. To claim warranty service during this extended period, the bill of sale must specify that the product was installed by an authorized Prestige Audio dealer.

This Warranty does not extend to the elimination of externally generated static or noise, to correction of antenna problems, to costs incurred for installation, removal or reinstallation of the product, or to damage to tapes, compact discs, speakers, accessories, or vehicle electrical systems.

This Warranty does not apply to any product or part thereof which, in the opinion of the Company, has suffered or been damaged through alteration, improper installation, mishandling, misuse, neglect, accident, or by removal or defacement of the factory serial number/bar code label(s). THE EXTENT OF THE COMPANY'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT PROVIDED ABOVE AND, IN NO EVENT, SHALL THE COMPANY'S LIABILITY EXCEED THE PURCHASE PRICE PAID BY PURCHASER FOR THE PRODUCT.

This Warranty is in lieu of all other express warranties or liabilities. ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, SHALL BE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. ANY ACTION FOR BREACH OF ANY WARRANTY HEREUNDER INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY MUST BE BROUGHT WITHIN A PERIOD OF 30 MONTHS FROM DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL THE COMPANY BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, WHATSOEVER. No person or representative is authorized to assume for the Company any liability other than expressed herein in connection with the sale of this product.

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

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**CANADA :** CALL 1-800-645-4994 FOR LOCATION OF WARRANTY STATION SERVING YOUR AREA

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Printed in Singapore

128-5743