

PAV-1

**AM/FM/MPX RADIO / MONITOR WITH
CASSETTE PLAYER, CD CHANGER CONTROLS
AND WIRELESS REMOTE CONTROL**



**OWNER'S
MANUAL**

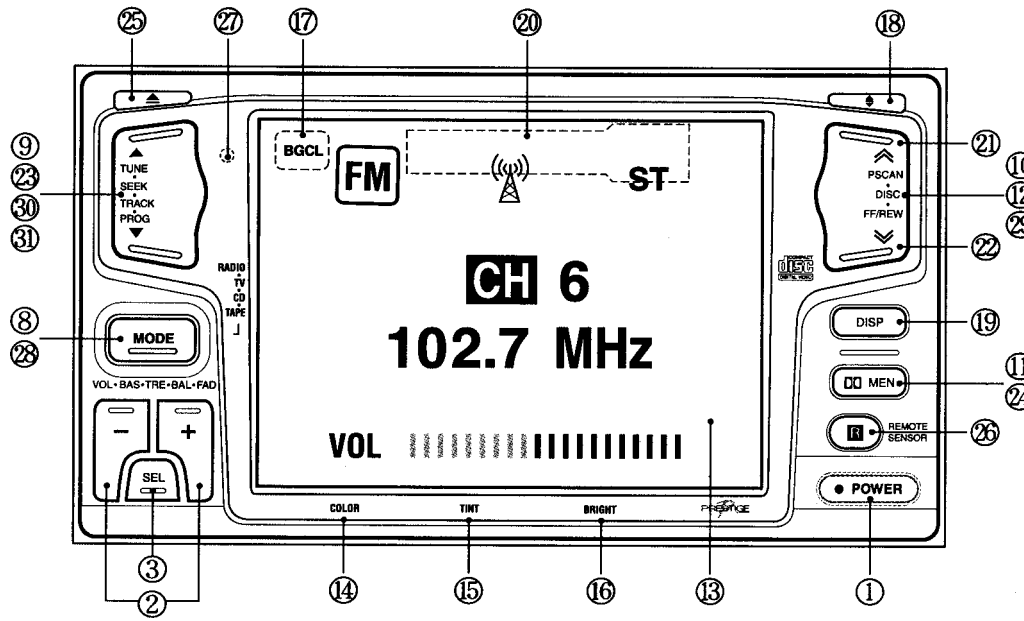
WARNING

This product should ONLY be installed in accordance with this product's wiring instructions so that the monitor display will be disabled if the parking brake is not applied. The monitor section of this product should ONLY be operated while the transmission of the vehicle is in Park (or Neutral for manual transmission vehicles) and the parking brake is applied.

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OPERATING INSTRUCTIONS



① ON-OFF POWER BUTTON (POWER)

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

② VOLUME/LEVEL CONTROL (+ / -)

To increase the volume level, press the + side of the control. The volume will increase and the level will be shown by the bars of

the **VOL** indication on the display panel. To increase the volume quickly, keep the button pressed. To decrease the volume level, press the - side of the control. Keep the button pressed to decrease the volume quickly. During Monitor operation, the display will automatically disappear 5 seconds after the last volume or audio level adjustment. This control is also used in conjunction with the Select button ③ to adjust the bass, treble, balance and fader levels as described in ④, ⑤, ⑥, and ⑦.

⑧ MODE / BAND SELECTOR (MODE)

Each time this button is pressed, the receiver band or input mode is changed as follows:

FM → AM → TV → AUX1* → AUX2** → CD CHANGER*** → TAPE****



The indication **FM**, **AM**, **TV**, **AUX1**, **AUX2**, **CD** or **TAPE** will appear on the display panel according to your selection.

* If the AUX1 input has not been disabled during installation.

** If the AUX2 input switch on side of chassis is set to the "ON" position and a compatible Navigation or Rear Observation system is connected.

*** If the optional Model PAV-CD 6-disc CD changer is connected.

**** If a cassette is loaded in the tape player.

NOTE: The TV Receiver Mode is an option that is not available in this model. Although the **TV** indication will appear on the display panel when cycling through the mode selections, actual TV reception is not possible.

⑨ MANUAL UP/DOWN TUNING (▲ / ▼) AUTOMATIC SEEK TUNING

Each momentarily press of the Up Tuning (▲) side of the button will advance the unit one frequency step higher. Similarly, each press of the Down Tuning (▼) side of the button will tune downward. 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.

⑩ STATION PRE-SET TUNING (▲ / ▼)

⑪ MEMORY SETTING BUTTON AUTO-STORE TUNING

To set any of the 6 pre-set memories in each of the AM and FM bands, use the following procedure:

1. Turn the unit on and select the desired band.
2. Select the first station to be pre-set using the Manual Up/Down or Automatic Seek Tuning Control ⑨.
3. Press the Memory Setting button ⑪. The channel number **CH1** will flash; and the audio will be muted. Within 5 seconds while the channel number is still flashing and the audio is still muted, momentarily press the up ▲ or down ▼ side of the Pre-Set Tuning button ⑩ to select the channel (**CH1** through **CH6**) that you wish to set. When it appears, press and hold the button until the display stops flashing and the audio returns, indicating that the station is now set into that pre-set memory position and can be recalled at any time by pressing the Pre-Set Tuning button to select the desired number.
4. Repeat the above procedure to enter stations in the remaining pre-set memories on the radio bands.

Pressing and holding the Memory Setting button ⑪ for longer than 2 seconds will activate the Auto-Store Tuning feature which will automatically scan the radio band in use and enter up to 6 strong stations into the pre-set memories. If you have already set the pre-set memories to your favorite stations, activating the Auto-Store feature will erase those stations and enter the new strong stations. This feature is most useful when traveling in a new area where you are not familiar with the local stations.

⑫ PRE-SET SCAN TUNING (PSCAN)

Press and hold the up (⤴) or down (⤵) side of this button for 2 seconds to scan the 6 stations pre-set into the memories on the AM or FM bands in the selected direction. The unit will stop at each pre-set station for 5 seconds before continuing to the next pre-set station. Press the button again momentarily to stop Pre-Set Scan operation and remain on the selected frequency.

⑬ LIQUID CRYSTAL DISPLAY PANEL VIDEO MONITOR

The Liquid Crystal Display (LCD) panel displays the frequency and activated functions of the radio, tape player and optional CD changer. It also provides the color video monitor function for the auxiliary video input.

⑭ DISPLAY COLOR CONTROL

⑮ DISPLAY TINT CONTROL

⑯ DISPLAY BRIGHTNESS CONTROL

These controls are used to adjust the picture quality during auxiliary video input modes. The Color control will adjust the level of color intensity. The Tint control will adjust the level of green or red in the picture. The Brightness control will make the picture brighter or darker.

NOTE: The Color and Tint controls are not functional during AM/FM radio, tape and CD changer modes. The Brightness control is functional in these modes.

⑰ DISPLAY BACKGROUND COLOR SELECTOR (BGCL)

This function is used to select the background color of the

display screen. The button is located behind the front panel so the panel must be lowered by pressing the tape Eject button ⑳ or the Display Angle Control ⑱ to access it. Each press of the button will change the screen color in the following order:

BLUE → GREEN → RED → BLACK
↑
└────────────────────────────────┘

⑱ DISPLAY ANGLE ADJUSTMENT (⬆)

This button is used to set the angle of the display panel for the best viewing. Each tap of the button will adjust the angle by approximately 8° up to the maximum angle. If the button is held, the display will continue to open to the maximum position. Pressing the button when the display is at the maximum angle will return it to the closed position.

NOTE: The front panel will automatically return to the closed position when the ignition is turned off.

⑲ DISPLAY RECALL (DISP)

The Display Recall function is used to recall the function and volume setting display after they have disappeared from the screen during Auxiliary video input modes. Pressing the button will bring these displays back to the screen for 5 seconds.

⑳ CASSETTE DOOR

To access the cassette door, press the Eject button ㉑ so that the panel drops to its lowered position (this function will operate when the unit is turned off if the ignition switch is "on"). Hold the cassette with the exposed tape edge to the right and insert it fully into the cassette door until the soft-loading mechanism draws

the cassette in and play begins (the **TAPE**, cassette symbol, **PLAY** and direction arrow will appear on the display panel). If the cassette being played requires Metal tape playback equalization, the setting will automatically be selected as indicated by **MTL** 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 arrow indications on the display panel.

NOTE: Observe cassette operation cautions in Care and Maintenance section of this manual.

②① **FAST-FORWARD BUTTON (↗)** **FAST-FORWARD AUTOMATIC MUSIC SEARCH**

A momentary press of this side of the button will activate the Fast-Forward function which will cause the tape to rapidly move in the forward direction of play (**FF** and **▶▶** or **◀◀** will appear on the display panel). To stop Fast-Forward movement, press the Fast-Forward button again or the Program Selector ②③ and normal play will resume.

Pressing and holding the Fast-Forward side of the button for longer than 2 seconds will activate the Fast-Forward Automatic Music Search function (**AMS-F** and **▶▶|** or **|◀◀** will appear on the display panel). The unit will automatically fast-forward to the beginning of the next selection and begin play. To stop Music Search function at any point, press the button again or the Program Selector ②③ and normal play will resume.

②② **REWIND BUTTON (↖)** **REWIND AUTOMATIC MUSIC SEARCH**

A momentary press of this button will activate the Rewind function which will cause the tape to rapidly move in the reverse direction of play (**REW** and **▶▶** or **◀◀** will appear on the display panel). To stop Rewind movement, press the Rewind button again or the Program Selector button ②③ and normal play will resume.

Pressing and holding the Rewind side of the button for longer than 2 seconds will activate the Rewind Automatic Music Search function (**AMS-R** and **▶▶|** or **|◀◀** will appear on the display panel). The unit will automatically rewind to the beginning of the next selection and begin play. To stop Music Search function at any point, press the button again or the Program Selector ②③ and normal play will resume.

②③ **PROGRAM SELECTOR**

Press this button to manually reverse tape direction and play the other side (program) of the cassette. The change of direction will be shown by the direction arrows (**▶** or **◀**) on the display panel.

②④ **DOLBY NOISE REDUCTION SELECTOR (□□)**

During tape play, pressing this button will activate the Dolby B-type noise reduction circuits to eliminate hiss and noise. When Dolby noise reduction is selected, the **□□** indication will be shown on the display panel. Pressing the button again will deactivate the Dolby noise reduction and the **□□** symbol will disappear from the display panel.

②⑤ TAPE EJECT BUTTON (▲)

Tape playback is stopped, the front panel is lowered and the cassette is ejected by pressing this button. FM Radio operation will automatically resume when the cassette is ejected. After removing the cassette, press the Display Angle Adjustment button ⑱ to return the display panel to the normal position.

NOTE: To prevent damage to the cassette or the mechanism, the Display Angle Adjustment will be disabled until the cassette is removed from the player.

②⑥ REMOTE SENSOR

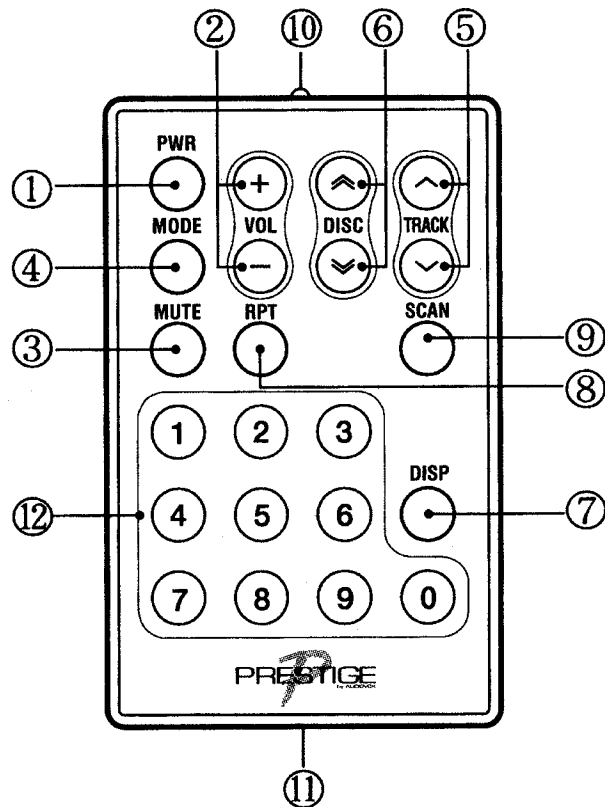
The sensor for the infrared signal from the wireless remote control is located behind this lens. For optimal operation of the remote control, always aim it toward the sensor.

②⑦ RE-SET BUTTON

A Re-Set button is located on the front of the chassis (front panel must be lowered to access the button). The re-set circuitry is provided to protect the microprocessor circuitry and should only be activated under the following circumstances as it will erase the pre-set memories.

1. Upon initial installation after all wiring is completed.
2. If there is a malfunction of any of the switches on the unit, pressing the Re-Set button may clear the system and return to normal operation.

WIRELESS REMOTE CONTROL OPERATION



The wireless remote control supplied with this model is capable of operating many of the features of the unit as well as some additional ones from a remote location. Each button on the remote control functions in the same way as the referenced button on the main unit. For optimal operation of the remote control, always aim it toward the Remote Sensor ②⑥ on the front panel of the main unit.

- ① **ON-OFF POWER** – See Main Unit ①
- ② **VOLUME CONTROL (+ / -)** – See Main Unit ②
- ③ **AUDIO MUTE (MUTE)** - This button is used to mute the volume from the system. By pressing the button, the indication **MUT** will appear on the display panel and the volume will be muted. Pressing the Mute button again or adjusting the Volume control will return to the volume level setting in use before the Mute function was activated. The Mute function is not available on the Main Unit.
- ④ **MODE / BAND SELECTOR (MODE)** – See Main Unit ⑧
- ⑤ **MANUAL UP/DOWN TUNING (▲ / ▼)** – See Main Unit ⑨
- AUTOMATIC SEEK TUNING** – See Main Unit ⑨
- TAPE PROGRAM SELECTOR** – See Main Unit ⑳
- CD CHANGER TRACK SELECT** – See Main Unit ⑳

- ⑥ **STATION PRE-SET TUNING (⤴ / ⤵)** – See Main Unit ⑩
- PRE-SET SCAN TUNING** – See Main Unit ⑫
- TAPE FAST-FORWARD (⤴)** – See Main Unit ⑳
- FAST-FORWARD AUTOMATIC MUSIC SEARCH (⤴)** – See Main Unit ㉑
- TAPE REWIND (⤵)** – See Main Unit ㉒
- REWIND AUTOMATIC MUSIC SEARCH** – See Main Unit ㉒
- CD CHANGER DISC SELECT** – See Main Unit ㉔

- ⑦ **DISPLAY RECALL (DISP)** – See Main Unit ⑲

- ⑧ **CD TRACK/DISC REPEAT (RPT)** – When the Repeat button is pressed once, the **RPT** indication will appear on the display panel and play of the selected track will be continually repeated until the Track Repeat mode is cancelled by pressing the Repeat button twice or activating the Track Scan function so that the **RPT** indication disappears from the display panel. When the Repeat button is pressed twice, the **D-RPT** indication will appear on the display panel and play of the selected disc will be continually repeated. The Disc Repeat mode can be cancelled by pressing the Repeat button again or by activating the Track Scan function so that the **D-RPT** indication disappears from the display panel. The Track and Disc Repeat functions are not available on the Main Unit.

- ⑨ **CD TRACK SCAN (SCAN)** – During disc play, press this button to play the first 10 seconds of each track on the disc (**SCN** will appear on the display panel). When a desired track is reached, press the Scan button again to cancel the function (**SCN** will disappear from the display panel) and play of the selected track will continue. Track Scan mode will also be cancelled by activating the Track or Disc Repeat functions. The Track Scan function is not available on the Main Unit.

- ⑩ **INFRARED SENDER**

- ⑪ **BATTERY COMPARTMENT**

- ⑫ **THESE BUTTONS NOT FUNCTIONAL WITH THE PAV-1**

NOTES ON REMOTE CONTROL USE

1. The remote control operates on a 3-volt lithium battery (type CR-2025). Install the battery into the compartment at the bottom of the remote control, making sure to observe correct polarity as shown in the diagram on the back of the control.
2. If the remote control fails to operate, always check battery condition and replace if necessary before servicing the unit.
3. Dispose of used batteries properly. Do not heat, disassemble, or throw used batteries into a fire.
4. Keep the remote control away from areas where it may be exposed to direct heat, moisture, or sunlight.

CD CHANGER CONTROLS

Built into this unit are controls to operate an optional Prestige Model PAV-CD 6-disc CD changer. Please check with your Prestige car stereo specialist for availability and installation of this model.

NOTE: Other models of Prestige/Audiovox CD Changers are **NOT** compatible with this unit and will not operate with it. Only Model PAV-CD will work with the PAV-1.

Adjustment of the audio functions (volume, tone, balance, and fader) for the CD changer operate in the same manner as they do in the other playback modes (radio, tape, etc.). 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 PAV-CD for instructions on the installation and correct loading and use of the CD magazine.

⑳ MODE SELECTOR (MODE)

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 **CD** appears on the display panel. The display will also indicate the disc number, track number, and elapsed time of the track in play. Press the Mode button again to change back to radio, tape or other playback modes (refer to MODE / BAND SELECTOR ⑧ section in this manual).

㉑ DISC SELECT (▲ / ▼)

This button is used to select the desired disc for play. To advance to a higher number disc, press the ▲ side of the button. To return to a lower number disc, press the ▼ side of the button. The number of the selected disc will be shown on the display panel.

㉒ TRACK SELECT (▲ / ▼)

This button is used to quickly select the beginning of a particular track. Tap the Forward Track Select (▲) side of the button or Backward Track Select (▼) side of the button to locate the desired track as shown by the track number on the display panel.

㉓ 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 Cue side of the button (▲) to advance rapidly in the forward direction or the Review side of the button (▼) to advance rapidly in the backward direction. During either function, the elapsed time within each track will automatically be shown on the display panel.

CD CHANGER ERROR CODES

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


- ERROR 1:** Indicates a mechanical malfunction in the changer.
- ERROR 2:** Indicates a mechanical malfunction in the changer.
- ERROR 3:** Indicates a mechanical malfunction in the changer.
- ERROR 4:** Indicates a mechanical malfunction in the changer.
- ERROR 5:** Indicates a mechanical malfunction in the changer.
- ERROR 6:** Indicates a mechanical malfunction in the changer.
- ERROR 7:** Indicates an error in the laser reading the disc. Eject the CD magazine from the changer and make sure the discs are clean, undamaged, and loaded correctly (see Owner's Manual of the CD changer). Re-load the magazine and check for proper operation.
- ERROR 8:** Indicates a mechanical malfunction in the changer.
- ERROR 9:** Indicates an error in the laser reading the disc. Eject the CD magazine from the changer and make sure the discs are clean, undamaged, and loaded correctly (see Owner's Manual of the CD changer). Re-load the magazine and check for proper operation.
- ERROR 10:** Indicates excessive temperature conditions. Play will resume when the temperature returns to the normal range.

If the suggested measures do not solve the problem, contact an approved warranty station near you for further assistance.

SPECIFICATIONS

Size:	7" W x 4" H x 6 1/2" D 178mm x 100mm x 165mm
Operating Voltage:	12 volts DC, negative ground
Fuse Rating:	10 Amp.
Output Power:	100 watts maximum (25 watts x 4 channels)
Output Wiring:	Floating-ground type designed for 4 speaker use. The amplifiers in this unit are NOT designed for use with 2 speakers. RCA low-level outputs (4 channels).
Output Impedance:	Compatible with 4-8 ohm speakers
Low-Level Output:	4.0 volts (4,000 mv.)
Tuning Range:	AM: 520 - 1,710 KHz. (10 KHz. step) FM: 87.5 - 108.0 MHz. (100 KHz. step)
Sensitivity:	AM: 20 uv FM: 1.5 uv
FM Stereo Separation:	30 dB
Tape Frequency Response:	30-15,000 Hz.
Tape S/N Ratio:	Dolby NR off : 50dB Dolby NR on : 60dB
Wow & Flutter:	0.15% WRMS

*Specifications are subject to change without notice.

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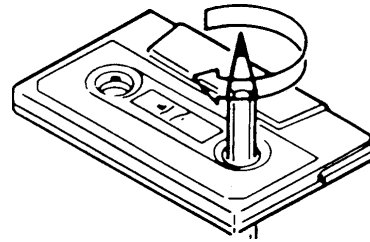
CARE AND MAINTENANCE

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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