



AM|FM|DVD|CD|WB|USB|iPod Ready
Wallmount Stereo with HDMI Video Output

AWM975



PRODUCT FEATURES

- 12V DC Power
- 132W Total – 3-Zone Audio Output
- AM/FM Electronic Tuner (US/Euro)
- 7 Station NOAA Weatherband Tuner
- Full iPod® audio controls & charging (requires interface cable - sold separately)
- 1 - HDMI with CEC Video output – 720p and 1080i Source Resolution selectable by menu
- Digital Audio Input (1 – Coaxial, 1 – Optical)
- 3 Level User Selectable Dimming Display (Power Off)
- Front Panel Headphone Out (1/8" Jack)
- Front USB supports playback MP3 /WMA/ JPEG format
- 1 - Front Aux A/V input (1/8" jack)
- 1 - Rear Aux A/V input (RCA Jack)
- 1 - Rear Aux Audio input (RCA jack)
- 1- Rear video composite outputs
- Fully suspended slot-type CD/DVD deck mechanism
- 30 Programmable Station Presets (18FM, 12AM)
- Auto-Store/Preset Scan
- Alarm Clock with Sleep Timer
- Low, medium & high adjustable LCD dimmer setting
- External IR repeater input
- Wireless Remote Included
- Wired remote optional (MWR75) - sold separately



MWR75

Control all stereo functions from outside with the JENSEN MWR75 Waterproof Remote Control!

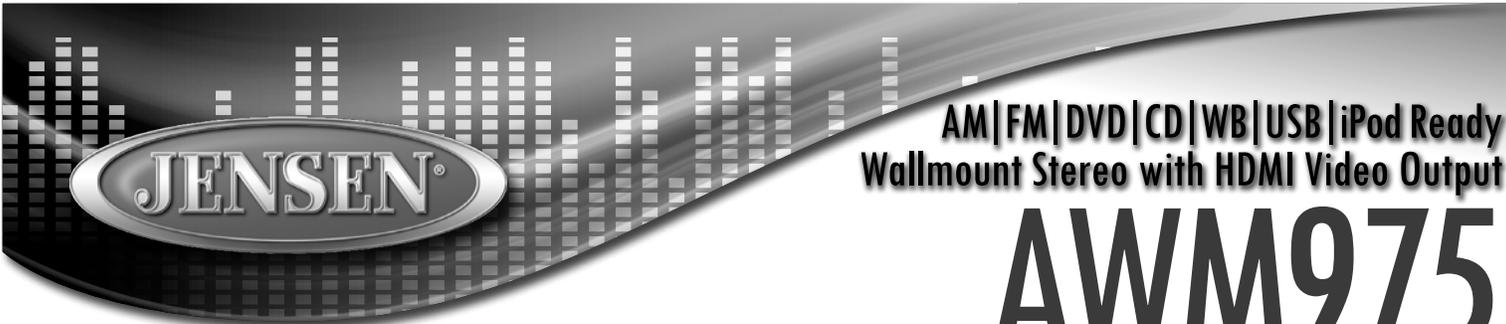


AWMPKT with iPod® Interface Cable

DESIGNED TO MOVE [YOU]™

Features and specifications subject to change without notice.

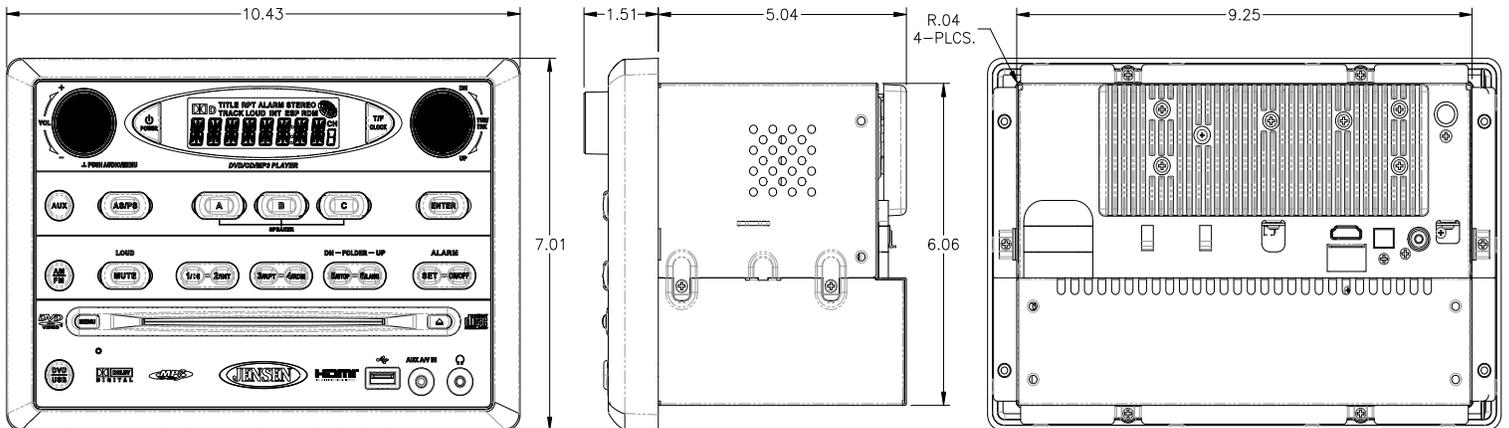
ASAelectronics
THE MOBILE ELECTRONICS COMPANY SINCE 1977
2602 Marina Drive • Elkhart, IN 46514
www.asaelectronics.com



JENSEN

AM|FM|DVD|CD|WB|USB|iPod Ready
Wallmount Stereo with HDMI Video Output

AWM975



General Specifications

Power System	12 V DC (3-wire)	
Operating Voltage Range	10 V to 16 V	
Current Draw @ 12V	Idle	7 mA
	Nominal	1.3 A
	Maximum	13.65 A
Operating Temperature Range	14°F to 149 °F	-10°C to 65°C
Storage Temperature Range	-22°F to 158°F	-30°C to 70°C
Maximum Relative Humidity	95%	
Overall Dimensions	10 7/16" W x 7" H x 5" D	
Product Weight (unpackaged)	5.5 lbs	

Performance Specifications

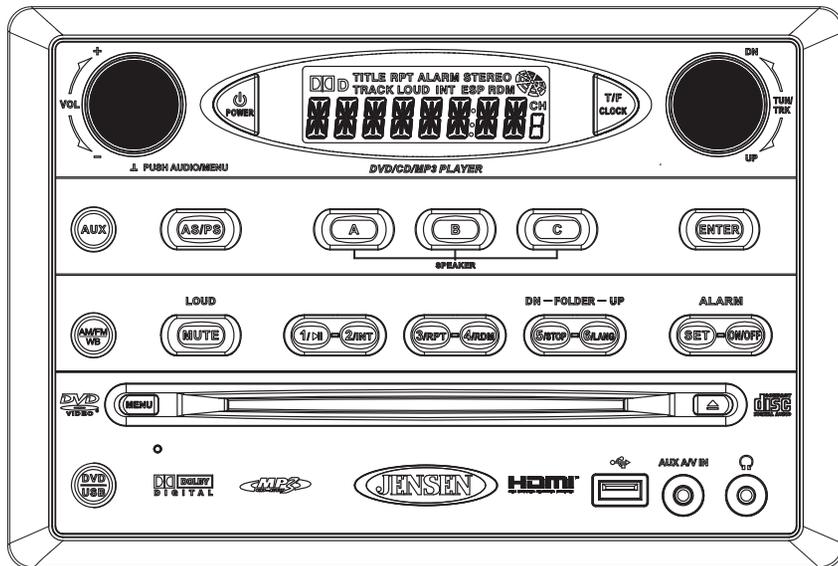
FM Sensitivity	2 μ V
AM Sensitivity	15 μ V
CD Frequency Response	20 Hz to 20KHz
CD Signal to Noise	79 dB
CD Skip Threshold (Random Freq. Profile)	1.6 G
Compatible Disc Formats	CD, CD-R, CD-RW, MP3, DVD, DVD+/- RW
Maximum Output Power	4 x 22.5W + 2 x 21W Total
Total Harmonic Distortion	1%



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AWM975

Owner's Manual Guide du Propriétaire



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iPhone, iPod, iPod classic, iPod nano, iPod shuffle, et iPod touch sont les marques déposées d'Apple Inc., enregistrées aux Etats-Unis et en d'autres pays.

Thank You!

Thank you for choosing a Jensen product. We hope you will find the instructions in this owner's manual clear and easy to follow. If you take a few minutes to look through it, you'll learn how to use all the features of your new Jensen receiver for maximum enjoyment.

Features

Features of the Jensen AWM975 mobile audio system include:

- Digital AM/FM Tuner
- Skip Protected Disc Mechanism
- DVD/CD-R/RW and MP3 Compatible
- Weatherband Tuner
- Time/Alarm Clock
- Backlit Controls
- HDMI Video Output with CEC
- Auxiliary Audio/Video Input
- Digital Audio Input
- USB Input
- Headphone Output
- 3 Zone / 6 Speaker Output
- Wireless Remote Control Included

Precautions

- **Use the Proper Power Supply.**
This product is designed to operate with a 12 volt DC, negative ground battery system (the standard system in a North American vehicle).
- **Protect the Disc Mechanism.**
Avoid inserting any foreign objects into the slot of this player. Failure to observe this may cause malfunction due to the precise mechanism of this unit.
- **Use Authorized Service Centers.**
Do not attempt to disassemble or adjust this precision product; contact a professional for assistance.
- **Avoid Moisture.**
To reduce the risk of fire or electric shock, do not expose this equipment to rain or moisture.
- **Avoid Cleaning Products.**
The front of this unit should only be cleaned with a slightly damp cloth. Do not use cleansers.
- **Use Recommended Accessories.**
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK AND ANNOYING INTERFERENCE, USE ONLY THE RECOMMENDED ACCESSORIES.

CAUTION: This mobile DVD player is a Class I laser product that uses a visible/invisible laser beam which could cause hazardous radiation exposure if improperly directed. Be sure to operate the mobile DVD player as instructed. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure. Do not open covers and do not attempt to repair the unit yourself. Refer servicing to qualified personnel.

Tools and Supplies

You will need these tools and supplies to install your AWM975:

- Philips screwdriver
- Wire cutters and strippers
- Tools to remove existing radio (screwdriver, socket wrench set or other tools)
- Electrical tape
- Crimping tool
- Volt meter/test light
- Crimp connections
- 16 gauge wire for power connections
- 16 – 18 gauge speaker wire

Disconnecting the Battery

To prevent a short circuit, be sure to turn off the ignition and remove the negative (-) battery cable prior to installation.

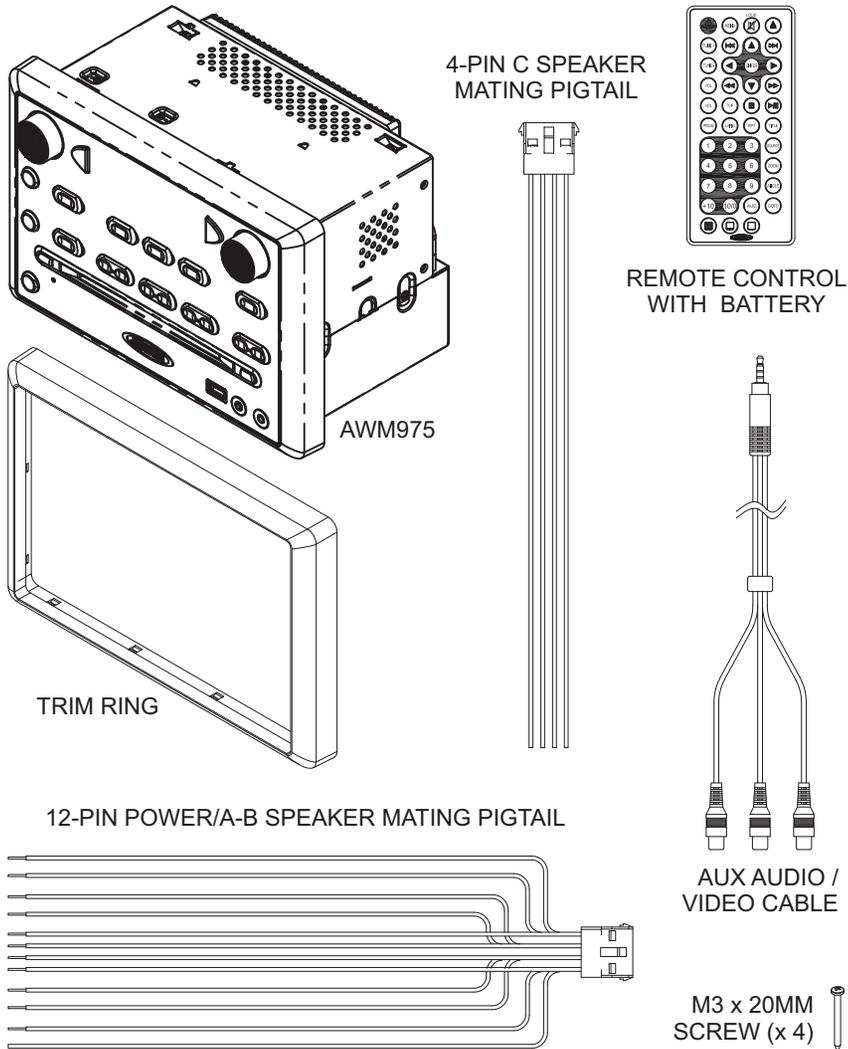
NOTE: If the AWM975 is to be installed in a vehicle equipped with an on-board drive or navigation computer, do not disconnect the battery cable. If the cable is disconnected, the computer memory may be lost. Under these conditions, use extra caution during installation to avoid causing a short circuit.

“Made for iPod” and “Made for iPhone” mean that an electronic accessory has been designed to connect specifically to iPod or iPhone respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod or iPhone may affect wireless performance.

AWM975



Packing List



Installation

It's a good idea to read all of the instructions before beginning the installation. We recommend having your JENSEN AWM975 installed by a reputable installation shop.

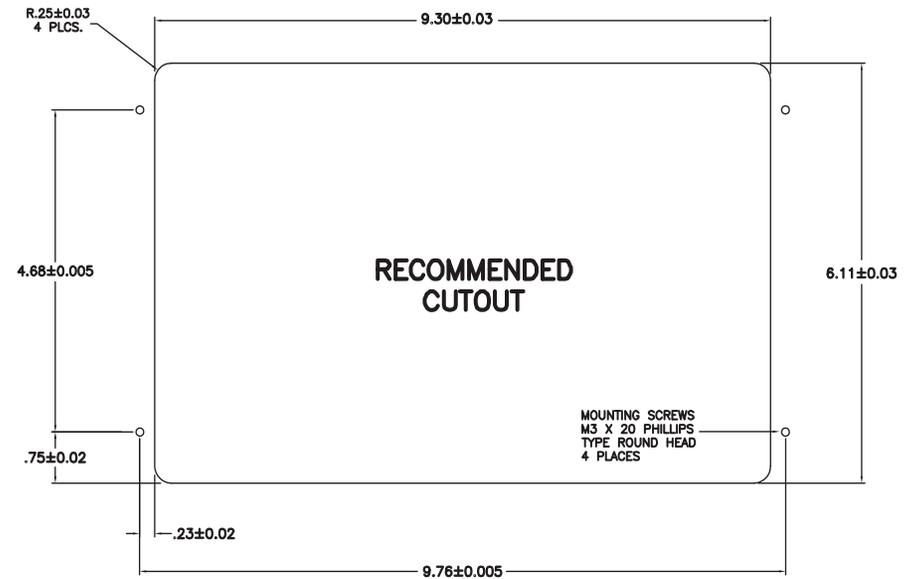
Selecting the Mounting Location

Select a mounting location, taking care to avoid the following:

- Places exposed to heat-radiating appliances such as electric heaters
- Adjacent to other equipment that radiates heat
- Poorly-ventilated or dusty places
- Moist or humid locations

Preparing the Opening

Use the mounting hole diagram (below) to measure and cut a mounting hole, and mount the unit using the four M3x20mm screws provided.



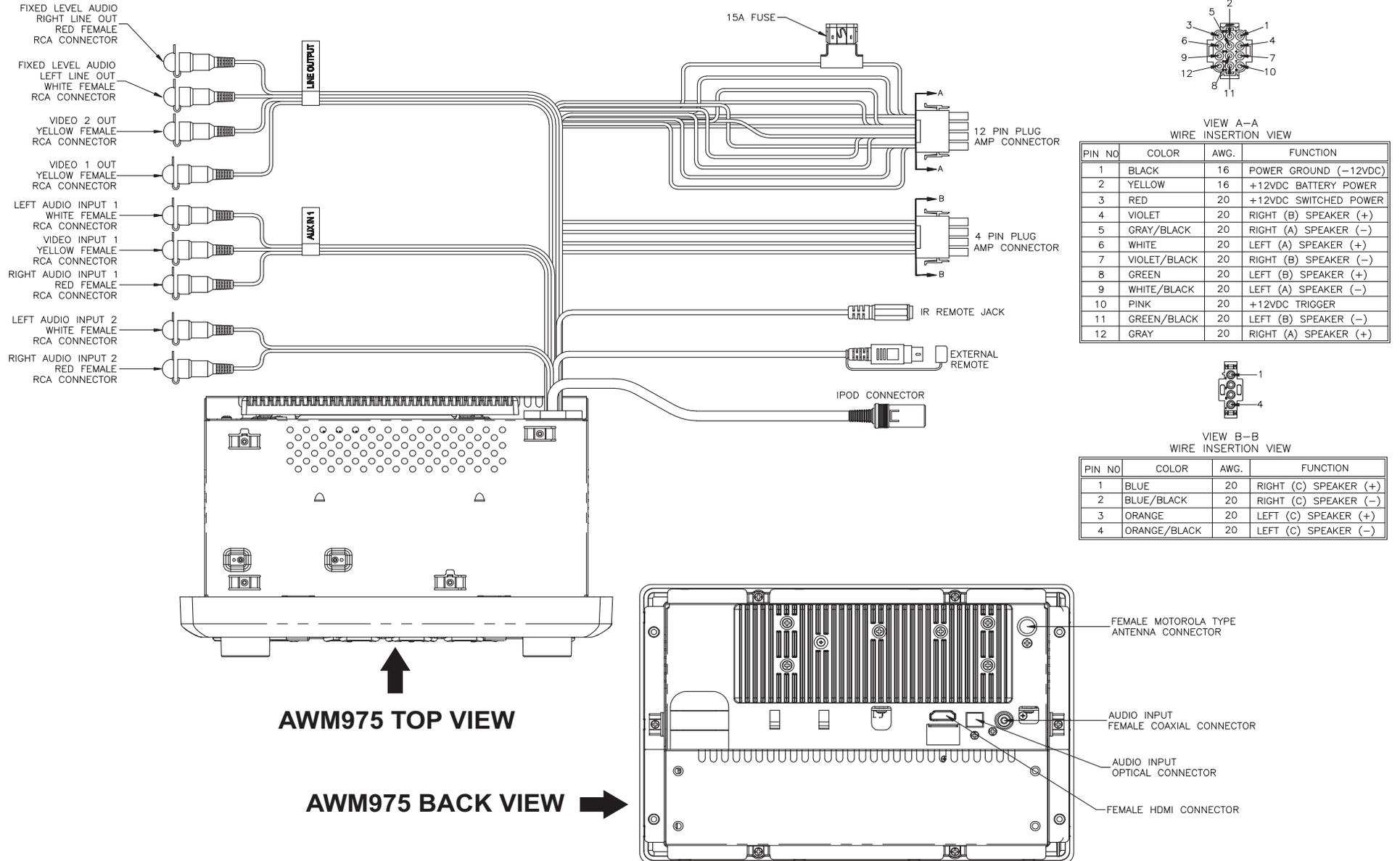
NOTE: Before cutting the mounting hole, make sure the area behind the mounting location is clear of wires, fuel and vacuum or brake lines.

Mounting the Radio

Route power, speaker and antenna cables through the hole, and connect them to the unit as outlined in the wiring diagram. After ensuring correct connections, test operation.

Wiring

The wiring diagram depicts all the wiring connections required for proper operation of the unit.



Basic Operation

Power

Press the **POWER** button (1) to turn the unit on or to enter standby mode.

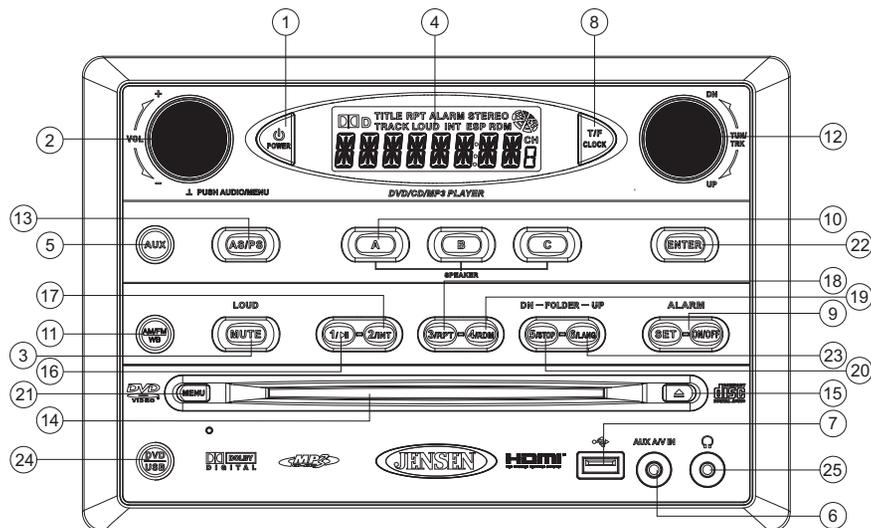
Volume Control / Audio Adjustment / Menu

- Rotate the **VOL** control (2) clockwise to increase or counter-clockwise to decrease the volume output.
- Press the **VOL** control to step through the following audio adjustment options. Rotate the **VOL** control to adjust the selected audio feature.
 - **BAS**: Adjust the Bass level from “-7” to “+7”.
 - **TRE**: Adjust the trable from “-7” to “+7”.
 - **BAL**: Adjust the speaker output balance between “L7” (left) and “R7” (right). “BAL 0” indicates an equal balance between the left and right speakers.
 - **FAD**: Adjust the speaker fade between “R7” (rear) and “F7” (front). “FAD 0” indicates and equal balance between the rear and front speakers.

This function will time out after three seconds of inactivity and the unit will resume normal operation.

- *Press and hold* the **VOL** control to access the user menu. Press the **VOL** control to step through the menu options. Rotate the **VOL** control to adjust the selected menu feature.
 - **LIGHT**: Adjust the standby mode LCD brightness from “LIGHT 1” (least bright) to “LIGHT 3” (brightest).
 - **BEEP**: Turn the audible beep confirmation “ON” or “OFF”.
 - **COAX**: Turn coaxial digital audio input “ON” or “OFF”.
 - **OPTI**: Turn optical digital audio “ON” or “OFF”.

This function will time out after three seconds of inactivity and the unit will resume normal operation.



Mute / Loudness

Press the **MUTE** button (3) to silence the audio output in tuner, CD, DVD, USB or auxiliary input mode. Press again to restore the previous volume level.

Press and hold the **MUTE (LOUD)** button to toggle the Loudness function on/off.

Liquid Crystal Display (LCD)

The liquid crystal display (LCD) panel (4) displays the frequency, time and activated functions.

To adjust the brightness of the LCD, *press and hold* the **VOL** control to access the user menu. Press the **VOL** control to step through the menu options. Rotate the **VOL** control to adjust the LCD brightness from “LIGHT 1” (brightest) to “LIGHT 3” (least bright).

NOTE: When subjected to cold temperatures for an extended period of time, LCD panels will take longer to illuminate and the display visibility may slightly decrease. Optimal LCD operation will return to normal when the temperature increases to a normal range.

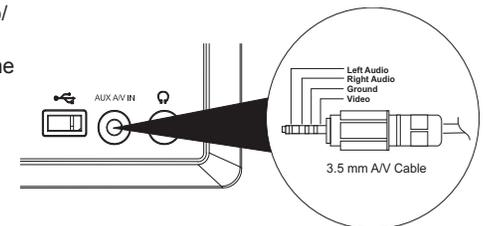
Auxiliary Input Function

Press the **AUX** button (5) to directly access auxiliary input modes (AUX 1 IN and AUX 2 IN) from any other mode when a portable audio device is connected to the unit. To connect a portable audio device, insert a standard 3.5 mm (audio line output or headphone output from your portable CD / MP3 / iPod or other media player) into the **AUX A/V IN** (AUX 2 IN) connector (6) on the front of the unit or the Audio/Video Input (AUX 1 IN) on the back of the unit (see “Wiring” on page 4).

Use the **AUX** button to access iPod mode (when a device is connected) or COAX/Optical audio inputs when those functions are activated in the menu.

Auxiliary Input Connector

For front panel A/V input, an external audio/video (A/V) source such as a video game player, camera, etc. can be connected to the front panel A/V input with the provided 3.5mm A/V cable adapter. Connect the device to the **AUX A/V IN** connector (6) on the front panel, and then press **AUX** to engage the input circuit to “AUX 2 IN”. Please note that there are several different A/V cable “standards”. The AWM975 is designed to support the Apple Video iPod cable type, as shown in the inset drawing.



USB Interface Connector

You can connect a USB device directly to USB interface (7) on the front of the AWM975 for playback of compatible files. Playback begins automatically. Press the **DVD/USB** button (24) to switch to USB mode from another source. Refer to “MP3/USB Operation” on page 13 for additional operating instructions.

Clock Display

Press the **T/F** button (8) to alternate between playing time and clock time while in Tuner, CD, DVD, USB or auxiliary input mode.

Basic Operation (continued)

Clock Setup

Press and hold the **T/F** button (8) to access Clock Setup mode. The number representing the hours will flash. Rotate the **TUN/TRK** control (12) to adjust the hour. Press **T/F** again briefly and the number representing the minutes will flash. Rotate the **TUN/TRK** control to adjust the minutes. The new time will be saved five seconds after the last adjustment is made.

Setting the Sleep Time

The Sleep Timer will automatically turn off the AWM975 in the designated number of minutes. To set the Sleep Time, press the **ALARM SET** button (9a) and the sleep time will appear in the display with the number representing the minutes (SLEEP 0). Press **ALARM SET** repeatedly to change the sleep time from 15 to 30, 45 or 60 minutes.

Setting the Alarm

To set the alarm, *press and hold* the **ALARM SET** button (9a). The number representing the hours will flash. Rotate the **TUN/TRK** control (12) to adjust the hour. Press **ALARM SET** again briefly and the number representing the minutes will flash. Rotate the **TUN/TRK** control to adjust the minutes. *Press and hold* the **ALARM SET** button again to store the alarm time.

Once a time is set, press **ALARM ON/OFF** (9b) to turn the alarm function on or off.

Speaker Output

The three speaker output buttons (10) (**SPEAKER A**, **SPEAKER B** and **SPEAKER C**) control speaker output from the radio. Press any of the three buttons to turn the corresponding speaker sets on or off. The red light above each button will illuminate when that speaker set is on.

AM/FM Tuner Operation

Selecting a Band

Press the **AM/FM/WB** button (11) to directly access tuner mode from any other function mode or to change between two AM bands (AM1 and AM2) and three FM bands (FM1, FM2 and FM3).

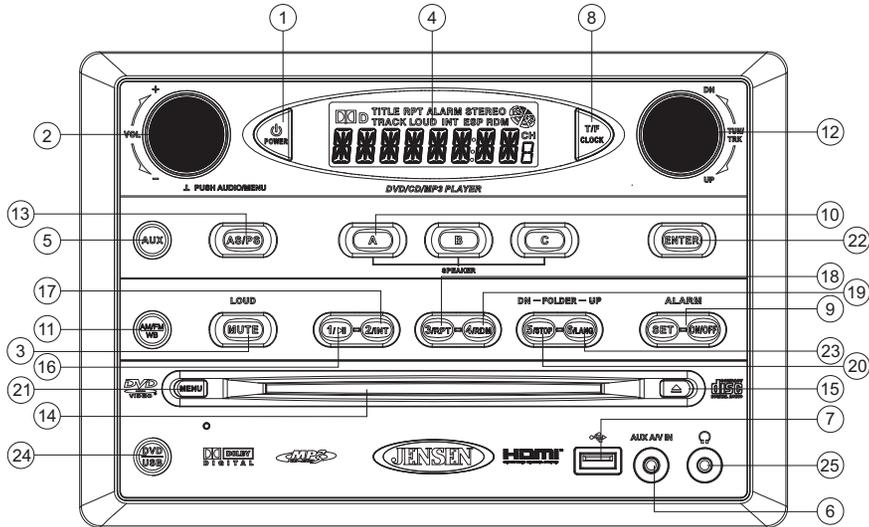
Tuning / Preset Stations

Manual Tuning

Rotate the **TUN/TRK** (12) control clockwise or **UP** to tune the frequency one step higher. Rotate the **TUN/TRK** control counter-clockwise or **DN** to tune the frequency one step lower.

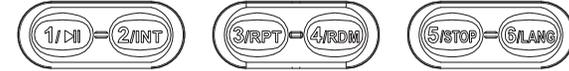
Seek Tuning

Rotate and hold the **TUN/TRK** control to automatically tune to the next strong station.



Preset Stations

Six numbered preset buttons store and recall stations for each AM and FM band.



To store a station, select a band (if needed), and then select a station. Press and hold a preset button for three seconds to store the current station. The corresponding preset number will appear on the right side of the LCD under the letters "CH".

To recall a station, select the preferred band and then press a preset button. The unit will automatically tune to the corresponding stored station.

Automatic Store / Preset Scan (AS/PS)

Automatically Store

Press **AS/PS** (13) for more than three seconds, and the unit will automatically scan for and store the six strongest stations for all bands. To stop this function before the automatic storing is complete, briefly press **AS/PS** again.

Preset Scan

Briefly press **AS/PS** to scan all preset stations in the current band. The unit will play each station for five seconds before moving on to the next station. To stop this function and play the current station, press the **AS/PS** button again.

Weatherband Operation

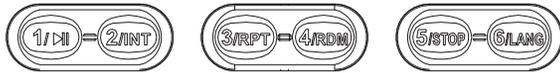
What is the NOAA Weather Radio/Weatheradio Canada?

This is a nationwide system that broadcasts local weather emergency information 24 hours a day. The U.S. network has more than 530 stations covering the 50 states as well as the adjacent costal waters, Puerto Rico, the U.S. Virgin Islands and the U.S. Pacific Territories. Each local area has its own transmitting station and there are a total of seven broadcasting frequencies used. A similar system is available in Canada under the Weatheradio Canada service administered by Environment Canada.

Tuning to Weatherband

Press and hold the **AM/FM/WB** button (11) to access the Weatherband. The indication "WB" will appear on the display panel, along with the current number and channel indication: "CH01", "CH02", "CH03", "CH04", "CH05", "CH06" or "CH07". Use the **TUN/TRK** control (12) to tune to each of the seven channels until you find the weatherband station broadcasting in your area.

Six numbered preset buttons recall pre-assigned frequencies for Weatherband.



How many stations can I expect to receive?

Since the broadcasts are local weather and information, the transmission power is usually very low (much less than standard AM or FM stations) so you will usually receive only one station unless you are on the edge of two or more broadcast signals. The most you will receive will be two or three, and that is rare.

Is it possible I won't receive any stations?

Depending on where you are located, there is a possibility you will receive only a very weak signal or none at all. Also, similar to AM and FM signals, weatherband signals are subject to surrounding conditions, weather, obstructions of the signal by hills or mountains, etc.

CD Operation

Inserting a CD

Insert a CD label-side up into the disc slot (14) and the disc will begin to play.

Ejecting a CD

Press the eject button (15) to stop CD play and eject the CD.

Pausing Playback

Press the 1/|| button (16) to suspend or resume disc play.

Stopping Playback

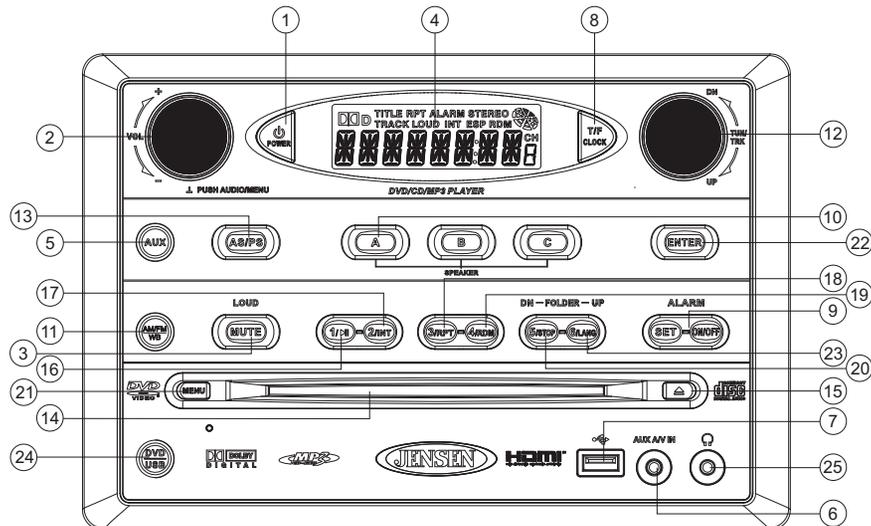
Press the 5/STOP button (20) to suspend disc play, and "PRE STOP" will appear in the display. Press the 1/|| button (16) to resume disc play from the last position. Press 5/STOP twice and "STOP" appears.

Track Select

Rotate the TUN/TRK control (12) to advance to the next or previous track on the CD. The selected track number will appear on the display. Rotate the TUN/TRK control for more than three seconds to fast forward or fast reverse through the disc. CD play starts when the play/pause button is pressed.

Fast Forward/Reverse

Rotate the TUN/TRK control for more than three seconds or press the >> or << buttons on the remote control (17) to fast forward or fast reverse. *Press and hold* once for FORWARD X 2. *Press and hold* additional times for FORWARD X 4, X 8, X 20 or PLAY. Press the play/pause || button on the control panel (16) or remote control (18) to end fast forward or reverse and resume normal playback.



Intro Scan (INT)

Press the 2/INT button (17) during disc play to play the first 10 seconds of each track on the current disc. Press 2/INT again to end the scan and play the selected track.

Repeat (RPT)

Press the 3/RPT button (18) during disc play to continuously repeat the selected track (REP 1). Press again to repeat all tracks (REP ALL). Press a third time to stop repeating.

Random Shuffle (RDM)

Press 4/RDM (19) during disc play to play all tracks on a CD in random, shuffled order. Press 4/RDM again to stop random play.

Programmed Playback

1. Press the **PROG** button (8) on the remote control to access the programmed playback screen:



2. Use the ▲, ▼, ◀ or ▶ cursor buttons (16) on the remote control to access the fields on the "PROG" screen.
3. Use the number buttons on the remote control to enter a track number in each field.
4. Press the >/|| button (19) on the remote control or highlight "PLAY" on screen and then press the ENTER button (5) to begin playback in the numbered order indicated.

To delete the list, highlight "CLEAR" and then press ENTER. Press PROG to exit the programmed playback screen.

Remote Control Direct Track Entry

To select a track directly, use the number pad on the remote control (10). For single digit entries, press the corresponding number. For two digit entries, press the 10+ button followed by the last digit (i.e., for track 16, press 10+ and then 6).

GOTO Direct Track/Chapter Access

Use the GOTO function to access a track (chapter) directly.

1. Press the GOTO button (26) on the remote control. The On Screen Display information will appear with the track number highlighted.
2. Use the number keys on the remote control to enter the 3-digit track number directly (i.e. for track 10, enter "010").
3. Press the ENTER button (5) to confirm and begin playback.

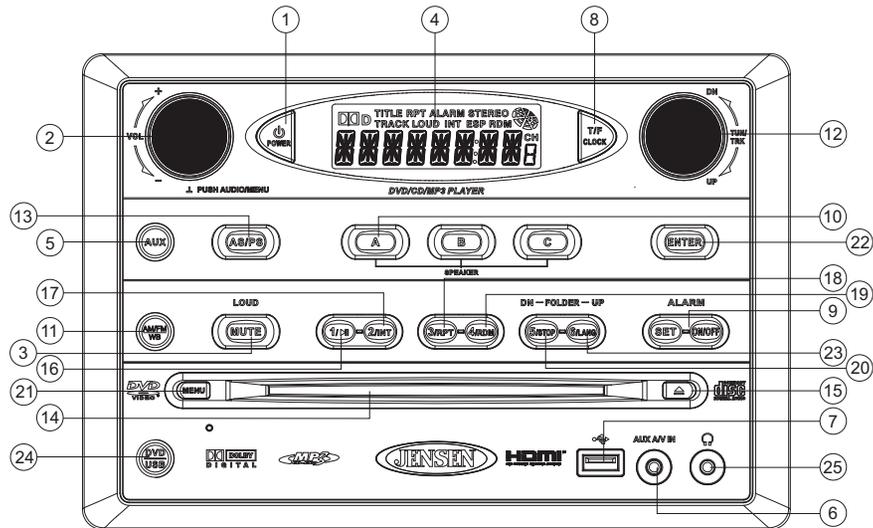
CD Operation (continued)

CD Playback Information

The following information is displayed at the top of the screen during CD playback:



- TRK #### – “1/18” indicates the first of 18 tracks on the CD is currently playing.
- – “X” indicates repeat play is OFF, “1” indicates repeat track, and “A” indicates repeat disc.
- Press the button on the remote control (27) repeatedly to view the following information for elapsed/remaining playing time:
 - 00:02:18 – total elapsed playing time for disc
 - C-00 :34 :37 – remaining playing time
 - T 00:02:18 – total elapsed playing time for current track
 - C-00 :34 :37 – remaining playing time for current track



DVD/VCD Operation

Inserting a Disc

Insert a disc label-side up into the disc slot (14) and the disc will begin to play.

NOTE: Press the DVD/USB button (24) to alternate between the USB and DVD source.

Ejecting a DVD

Press the eject button (15) to stop DVD play and eject the DVD.

Pausing Playback

Press the 1/▶|| button (16) to suspend or resume disc play.

Stopping Playback

Press the 5/STOP button (20) to suspend disc play, and "PRE STOP" will appear in the display. Press the 1/▶|| button (16) to resume disc play from the last position. Press 5/STOP twice and "STOP" appears.

Track Select

Rotate the TUN/TRK control (12) to advance to the next or previous track on the disc. The selected track number will appear on the display.

Enter/Select

While in menu mode, press the ENTER button (22) to select a menu option.

Language Selection

While playing a DVD, press the 6/LANG button (23) to change the DVD audio language.

Fast Forward/Reverse

Rotate the TUN/TRK control for more than three seconds or press the >> or << buttons on the remote control (17) to fast forward or fast reverse. *Press and hold* once for FORWARD X 2. *Press and hold* additional times for FORWARD X 4, X 8, X 20 or PLAY. Press the play/pause ▶/|| button on the control panel (16) or remote control (18) to end fast forward or reverse and resume normal playback.

Repeat Chapter/Title

Press the 3/RPT button (18) on the control panel or the RPT button (21) on the remote control multiple times during playback to select from the following repeat play options:

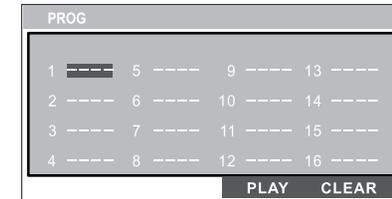
- VCD: REP 1 (track), REP ALL (disc), REP OFF
- DVD: REP Chapter, REP Title, REP All, REP OFF

Playback Control (VCD Only)

Press the MENU button (6) on the remote control to turn Playback Control on/off when this feature is available on your VCD.

Programmed Playback

1. Press the PROG button (8) on the remote control to access the programmed playback screen:



2. Use the ▲, ▼, ◀ or ▶ cursor buttons (16) on the remote control to access the fields on the "PROG" screen.
3. Use the number buttons on the remote control to enter a track number in each field.
4. Press the >|| button (19) on the remote control or highlight "PLAY" on screen and then press the ENTER button (5) to begin playback in the numbered order indicated.

To delete the list, highlight "CLEAR" and then press ENTER. Press PROG to exit the programmed playback screen.

DVD Playback Features

The following remote control features, along with many others, are available during DVD playback (see "Remote Control Operation" on page 16 for complete functionality):

- LANG: Press to choose an alternate audio language, if available.
-  SUBTITLE: Press to select an alternate subtitle language, if available.
- ANGLE: Press to select an alternate viewing angle, if available.
- ZOOM: Press to zoom the picture at ZOOM 2, ZOOM 3, ZOOM 4, ZOOM 1/2, ZOOM 1/3 or ZOOM 1/4, or select OFF to return to normal view.

NOTE: Feature availability is dependent upon DVD embedded information.

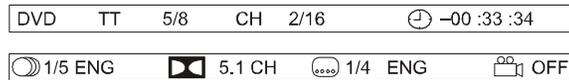
DVD/VCD Operation (continued)

Playback Information

During DVD and VCD playback, press the  button (27) on the remote control to display playback information on the screen, including the media playing and current playback time. Continue pressing the  button to display additional information, as indicated below.

DVD Playback Information

The following information is displayed at the top of the screen during DVD playback:



- TT 5/8 – “5 / 8” indicates the fifth of 8 titles on the DVD is currently playing.
- CH 2/16 – “2 / 16” indicates that the second of 16 chapters on the DVD is currently playing.
- Press  repeatedly to view the following information: for elapsed/remaining playing time:
 -  00:02:18 – total elapsed playing time for disc
 - C -00 :34 :37 – remaining playing time
 - T 00:02:18 – total elapsed playing time for current track
 - C -00 :34 :37 – remaining playing time for current track
-  1/5 ENG – English is the selected audio language out of 5 possible choices
-  5.1 CH – The current language is recorded in 5.1 surround sound
-  1/4 ENG – English is the selected subtitle language out of 4 possible choices
-  OFF – There are no alternate angles recorded for this scene

VCD Playback Information

The following information is displayed at the top of the screen during VCD playback:



- TRK #### – “1/18” indicates the first of 18 tracks on the VCD is currently playing.
- PBC: Indicates when PBC (Playback Control) is turned on.
-  – “X” indicates repeat play is OFF, “1” indicates repeat track, “D” indicates repeat directory, and “A” indicates repeat disc.
- Press  repeatedly to view the following information for elapsed/remaining playing time:
 -  00:02:18 – total elapsed playing time for disc
 - C -00 :34 :37 – remaining playing time
 - T 00:02:18 – total elapsed playing time for current track
 - C -00 :34 :37 – remaining playing time for current track

Remote Control Direct Track Entry

To select a track directly, use the number pad on the remote control (10). For single digit entries, press the corresponding number. For two digit entries, press the **10+** button followed by the last digit (i.e., for track 16, press **10+** and then **6**).

GOTO Direct Track/Chapter Access

Use the GOTO function to access a track (chapter) directly.

1. Press the **GOTO** button (26) on the remote control. The On Screen Display information will appear with the track number highlighted.
2. Use the number keys on the remote control to enter the 3-digit track number directly (i.e. for track 10, enter “010”).
3. Press the **ENTER** button to confirm and begin playback.

MP3/USB Operation

Insert/Eject Disc

Insert a disc label-side up into the disc slot (14), and the disc will begin to play. Press the eject button (15) to stop playback and eject the disc.

Insert/Remove USB Device

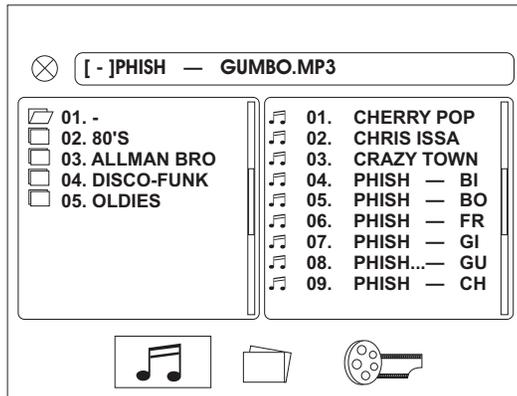
To connect a USB device, locate the USB interface connector (7) located near the bottom right corner on the front of the radio. Insert the USB device into the USB jack and the unit will read the files on the USB device automatically. To remove the USB device, press the **AM/FM/WB** button (11), **DVD/USB** button (24) or **AUX** button (5) to change to another mode and then remove the USB device from the USB connector.

Press the **DVD/USB** button (24) to access USB mode from any other mode.

NOTE: MP4 streaming video format is not supported.

MP3 Monitor Display

After loading an MP3 disc or USB device, the following screen will appear on your output monitor.



Select one of these icons to access the corresponding media on your disc or USB device. If the media type is not present, the icon will not be selectable.

- : Audio
- : Photos
- : Video

Play/Pause

Press the **1/▶||** button (16) to suspend or resume playback.

Track Select

When playback is stopped, rotate the **TUN/TRK** control (12) to search in current folder. During playback, rotate the **TUN/TRK** control to access the previous/next file. The selected file number will appear on the display.

Folder Up/Down

Press the **6/LANG** button (23) to access a higher folder level (FOLDER UP). Press the **5/STOP** button (20) to access a lower folder level (FOLDER DN).

Intro Scan (INT)

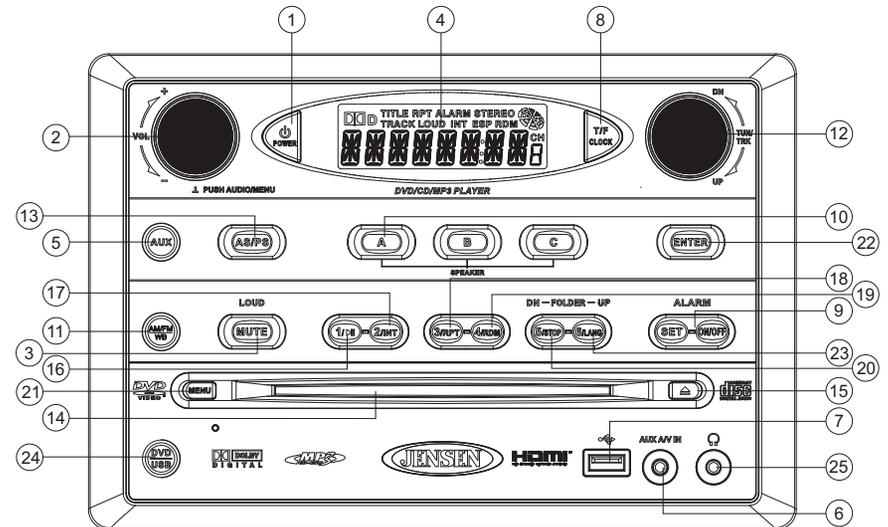
Press the **2/INT** button (17) during playback to play the first 10 seconds of each file in the current folder. Press **2/INT** again to end the scan and play the selected file.

Repeat (RPT)

Press the **3/RPT** button (18) on the control panel or the **RPT** button (21) on the remote control multiple times during playback to select from the following repeat play options: REP 1 (track), REP DIR (folder), REP ALL (disc), OFF.

Random Shuffle (RDM)

Press **4/RDM** (19) during disc play to play all files in random, shuffled order. Press **4/RDM** again to stop random play.



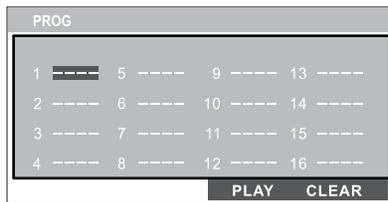
MP3/USB Operation (continued)

Fast Forward/Reverse

Rotate the **TUN/TRK** control for more than three seconds or press the **>>** or **<<** buttons on the remote control (17) to fast forward or fast reverse. *Press and hold* once for FORWARD X 2. *Press and hold* additional times for FORWARD X 4, X 8, X 20 or PLAY. Press the play/pause **▶||** button on the control panel (16) or remote control (18) to end fast forward or reverse and resume normal playback.

Programmed Playback

1. Press the **PROG** button (8) on the remote control to access the programmed playback screen:



2. Use the **▲**, **▼**, **◀** or **▶** cursor buttons (16) on the remote control to access the fields on the "PROG" screen.
 3. Use the number buttons on the remote control to enter a track number in each field.
 4. Press the **>||** button (19) on the remote control or highlight "PLAY" on screen and then press the **ENTER** button (5) to begin playback in the numbered order indicated.
- To delete the list, highlight "CLEAR" and then press **ENTER**. Press **PROG** to exit the programmed playback screen.

Remote Control Direct Track Entry

To select a file directly, use the number pad on the remote control (10). For single digit entries, press the corresponding number. For two digit entries, press the **10+** button followed by the last digit (i.e., for file 16, press **10+** and then **6**).

GOTO Direct Track/Chapter Access

Use the GOTO function to access a track (chapter) directly.

1. Press the **GOTO** button (26) on the remote control. The On Screen Display information will appear with the file number highlighted.
2. Use the number keys on the remote control to enter the 3-digit file number directly (i.e. for file 10, enter "010").
3. Press the **ENTER** button to confirm and begin playback.

MP3 Playback Information

The following information is displayed at the top of the screen during CD playback:



- TRK #### – "9/150" indicates the ninth of 150 tracks on the disc is currently playing.
-  – "X" indicates repeat play is OFF, "1" indicates repeat song, and "D" indicates repeat directory (folder).
- Press  repeatedly to view the following information for elapsed/remaining playing time:
 -  00:02:18 – total elapsed playing time for disc
 - C -00 :34 :37 – remaining playing time for disc

iPod® Operation

This unit is equipped with an iPod® ready function that will allow you to control your iPod (if compatible) using the control panel buttons. This unit is made for the following iPod models:

- iPod touch (2nd generation)
- iPod touch (1st generation)
- iPod classic
- iPod nano (6th generation)
- iPod nano (5th generation)
- iPod nano (4th generation)
- iPod nano (3rd generation)
- iPod nano (2nd generation)
- iPod nano (1st generation)
- iPod with video
- iPhone
- iPhone 3G
- iPhone 3GS

NOTE: Earlier model iPod's are not supported because they do not implement the required control protocol. Also, the iPod Shuffle is not supported because it does not utilize the 30-pin Apple iPod Connector. These unsupported iPod models may be connected to the radio using the Auxiliary Inputs.

Accessing iPod Mode

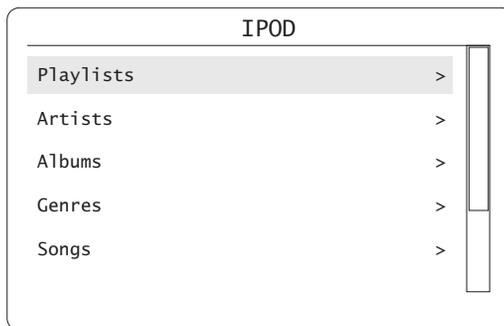
The unit will automatically switch to iPod mode when an iPod is connected to the iPod cable at rear of unit (iPod cable sold separately).

iPod mode can be selected by pressing the **AUX** button (5): AUX1, AUX2, AUX3, iPod. The unit will display "iPod" in the upper left corner of the LCD, indicating the iPod is connected. The external video monitor will display the iPod menu.

NOTE: The iPod will continuously recharge while connected to the unit, as long as the vehicle ignition is turned on.

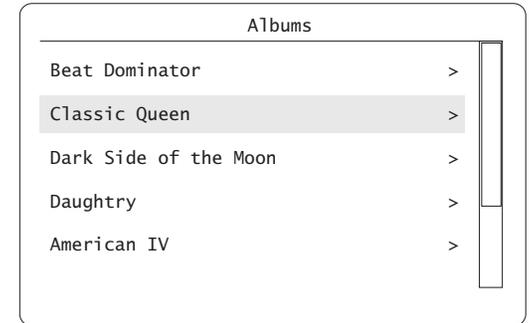
Turning the iPod On/Off

The iPod power turns on automatically when connected to the main unit iPod cable while the Accessory Power is turned on. You can turn the iPod off by disconnecting it from the cable or by turning the Accessory Power off. When the Accessory Power is turned off, the iPod will pause and then enter sleep mode after 2 minutes. Power can not be turned on or off on the iPod itself while connected to the main unit.



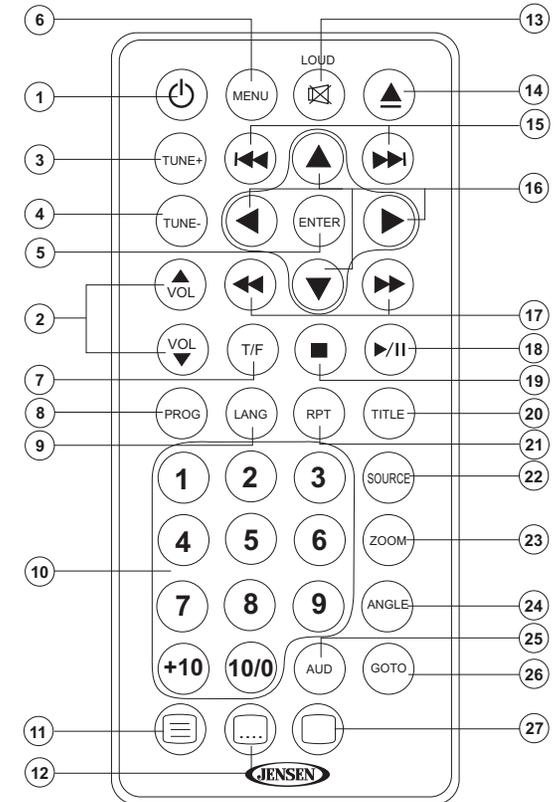
Controlling Playback

- Access iPod Menu – Press the **MENU** button (21).
- Pause/Play – During playback, press the **1/ >||** button (16) to suspend or resume play.
- Repeat (RPT) – During playback, press **3/RPT** button (18) to continuously repeat the selected track.
- Press again to repeat all tracks (RPT ALL). Press a third time to stop repeat play.
- Random (RDM) – Press the **4/RDM** button (19) to play all songs in the selected album in random order. Press again to play all albums in random order. Press a third time to stop random play.
- Fast Forward/Reverse – During playback, turn and hold the **TUN/TRK** knob (12) for more than 3 sec. clockwise to fast forward or counter-clockwise to fast reverse. To resume normal playback, release the knob and press the **1/ >||** button (16).
- Folder Up/Down – From the initial iPod menu, press the **6/LANG** (folder up) button (23) to access a higher folder level, or the **5/STOP** (folder down) button (20) to access a lower folder level. When using the remote control, press the four-way up/down arrows (16) to navigate the folder list up/down.
 - Press the **ENTER** button (22) on the control panel or the center navigation button (8) on the remote control to select a folder (play list, artist, album, etc.).
 - Repeat the above navigation for each screen.
 - While playing, use the **TUN/TRK** knob (12) to select the next file to play.
 - It is also possible to search the song list while listening to the current song by using the folder up/down button to scroll through the list.
 - Press the **ENTER** button to play the selected file.
 - Press the **MENU** button (21) to reverse navigate the folders.



Remote Control Operation

REF	DESCRIPTION	TUNER	WEATHERBAND	CD/MP3/USB	DVD
1	Power	Turn radio on/standby mode.	Turn radio on/standby mode.	Turn radio on/standby mode.	Turn radio on/standby mode.
2	VOL +/-	Adjust volume up/down. Press for Audio Control Setup menu.	Adjust volume up/down. Press for Audio Control Setup menu.	Adjust volume up/down. Press for Audio Control Setup menu.	Adjust volume up/down. Press for Audio Control Setup menu.
3	TUNE +	Search higher station.	Search higher station.	Stopping State: UP - Search in current folder. Playing State: UP - Next Track.	Stopping State: UP: Next Item. Playing State: UP: Next Track.
4	TUNE -	Search lower station.	Search lower station.	Stopping State: DN - Search in current folder. Playing State: DN - Prev Track.	Stopping State: DN: Previous Item. Playing State: DN: Previous Track.
5	ENTER				Confirm menu selection.
6	MENU				Access main DVD menu.
7	T/F	Press to toggle clock time/playing time. Press and hold to set clock.	Press to toggle clock time/playing time. Press and hold to set clock.	Press to toggle clock time/playing time. Press and hold to set clock.	Press to toggle clock time/playing time. Press and hold to set clock.
8	PROG			Display Setup Program.	Display Setup Program.
9	LANG			Display MONO/L, MONO/R, or STEREO.	Select alternate audio language, if available.
10	Numeric Keypad	Use 1-6 to access preset stations.	Use 1-7 to access each of the seven channels.	Enter track number to access track directly. For track number > 10, use 10+ followed by second digit.	Enter track number to access track directly. For track number > 10, use 10+ followed by second digit.
11	Setup			View SETUP menu.	View SETUP menu.
12	Subtitle				Choose subtitle language, if available.
13	Mute/LOUD	Silence Audio output. <i>Press and hold</i> to turn LOUDNESS feature on/off.	Silence Audio output. <i>Press and hold</i> to turn LOUDNESS feature on/off.	Silence Audio output. <i>Press and hold</i> to turn LOUDNESS feature on/off.	Silence Audio output. <i>Press and hold</i> to turn LOUDNESS feature on/off.
14	Eject	Eject Disc.	Eject Disc.	Eject Disc.	Eject Disc.
15	Previous/Next			Select next/previous track.	Select next/previous chapter.
16	Directional Buttons			Move to desired menu item and then press ENTER to confirm.	Use with DVD menu to move to desired menu item and then press ENTER to confirm.
17	Fast Reverse/ Forward			Fast Forward 2X, 4X, 8X, 20X. Fast Reverse 2X, 4X, 8X, 20X.	Fast Forward 2X, 4X, 8X, 20X. Fast Reverse 2X, 4X, 8X, 20X.
18	Play/Pause			Pause/resume playback.	Pause/resume playback.
19	Stop			Stop playback.	Stop playback.
20	TITLE				Press to view title menu, then use directional arrows and play button play selected title. <i>May not be supported by all discs.</i>
21	RPT			Repeat track.	Repeat chapter.
22	SOURCE	Select source for playback.	Select source for playback.	Select source for playback.	Select source for playback.
23	ZOOM				Zoom picture or press repeatedly to change magnification level.
24	ANGLE				Select alternate viewing angle, if available.
25	AUD				Access Audio Menu options.
26	GOTO			Select exact time, track or chapter for playback.	Select exact time, track or chapter for playback.
27	Display			Display current playback information on the screen.	Display current playback information on the screen.



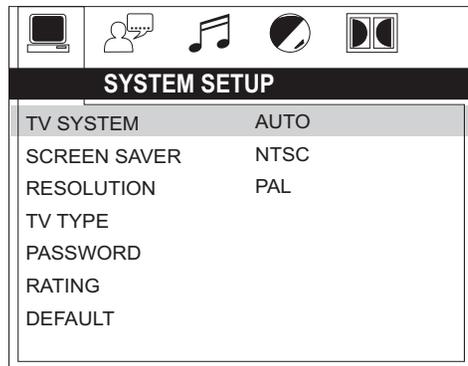
Setup Menu

Press the  (setup) button (11) on the remote control to access the SETUP menu and adjust system settings for the following categories:

- System Setup
- Language Setup
- Audio Setup
- Video Setup
- Digital Setup

While in the setup menus, use your directional arrows to select and change settings. The “up” and “down” arrows highlight the options, and the “right” and “left” arrows will change the setting for the highlighted option.

System Setup



The System Setup menu controls the following features:

TV SYSTEM: This item is used to select a TV signal system to match your TV set. Select one of the following options: AUTO, NTSC or PAL.

SCREEN SAVER: Turn Screen Saver feature On/Off.

RESOLUTION: Select from 480I, 480P, 720P, 1080I or 1080P.

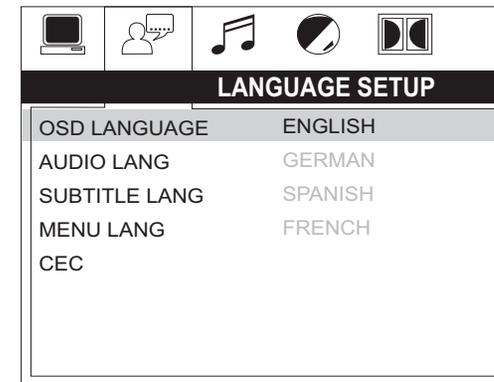
TV TYPE: Select one of the following picture formats: 4:3PS, 4:3 LB or 16:9. 4:3 is a letterbox selection, and 16:9 is wide screen.

PASSWORD: This item allows the selection of a new four-digit code to use for security purposes.

RATING: Select the parental control level for all DVD play. The security password is required to make changes to this feature.

DEFAULT: Use this item to restore default settings at any time.

Language Setup



The Language Setup menu controls the following features:

On-Screen Display (OSD) Language: Set the OSD language to one of the following: English, Chinese, German, Spanish, French, or Russian.

Audio Language: Set the audio language to one of the following: Chinese, English, Japan, French, Spanish, Russian, Latin or German.

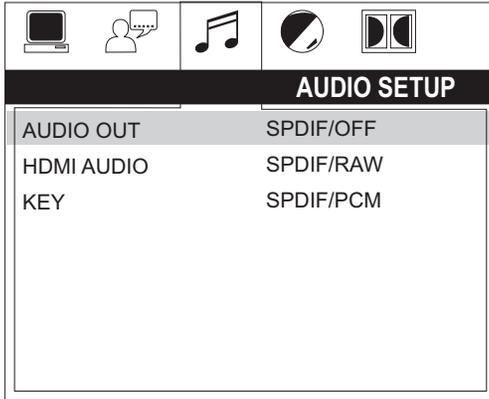
Subtitle Language: Set the subtitle language to one of the following: Chinese, English, Japan, French, Spanish, Russian, German or OFF.

Menu Language: Set the menu language to one of the following: Chinese, English, Japan, French, Spanish, Russian, German or Latin.

CEC: Default setting of “ON” allows power ON/OFF and source selection controls between devices connected via HDMI. Turn “OFF” to disable this feature.

Setup Menu (continued)

Audio Setup



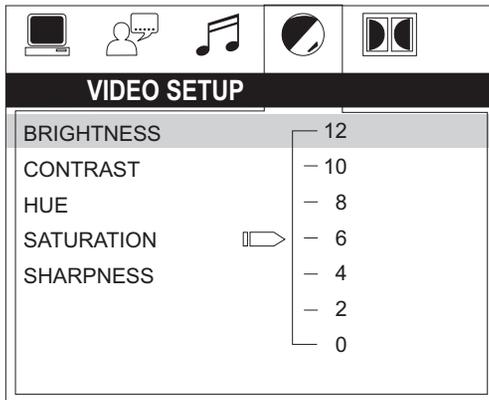
The Audio Setup menu controls the following features:

Audio Out: This item defines the digital output format.

HDMI Audio: Choose AUTO or PCM.

Key: This item changes the audio output key.

Video Setup



The Video Setup menu controls the following features:

Brightness: Adjust the brightness of the screen from the following levels: 12, 10, 8, 6, 4, 2 or 0.

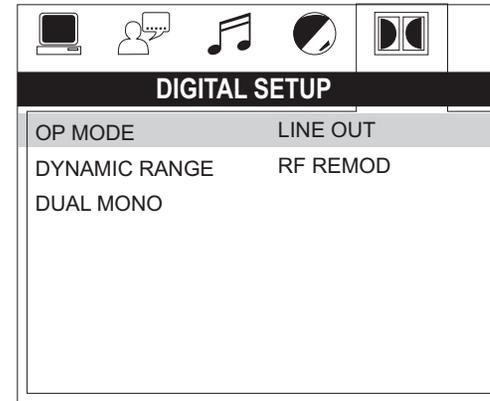
Contrast: Adjust the contrast of the screen from the following levels: 12, 10, 8, 6, 4, 2 or 0.

Hue: Adjust the hue of the screen from the following levels: +6, +4, +2, 0, -2, -4 or -6.

Saturation: Adjust the saturation of the screen from the following levels: 12, 10, 8, 6, 4, 2 or 0.

Sharpness: Adjust the sharpness of the screen from the following levels: 8, 6, 4, 2 or 0.

Digital Setup



The Digital Setup menu controls the following features:

OP Mode: Select LINE OUT or RF REMOD.

Dynamic Range: Select FULL, 6/8, 4/8, 2/8 or OFF.

Dual Mono: Select STEREO, MONO/L, MONO/R or MIX MONO.

Specifications

General

Power Supply Requirements	DC 12 Volts, Negative Ground
Operating Voltage	10-16VDC
Overall Dimensions	265mm(W) x 178mm(H) x 159mm(D)
Chassis Dimensions	235mm(W) x 154mm(H) x 133mm(D)
Weight	5.5 lbs.

FM Tuner

Tuning range	87.5-107.9FM
Sensitivity	<4uV
Stereo separation @ 1 kHz	>25dB

AM Tuner

Tuning range	530-1710
Sensitivity	<63uV

Amplifier

Output Power	108 Watts Total (18 Watts per Channel)
Output Impedance	Compatible with 4-8 Ohm Speakers, 4 Ohm Load Minimum

DVD

Frequency Response	20-20,000 Hz
Channel Separation	50dB
S/N Ratio	70dB
Distortion	0.2%

Specifications subject to change without notice.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the User's authority to operate the equipment."



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