VocoStar ★

DVG-399K

DVD/CD+G/VCD/Mp3/CD/PHOTO-CD KARAOKE PLAYER WITH DIGITAL KEY CONTROL

POWER · ON · OFF · REC · MIC VOL · DVD · CDG · DOLBY DIGITAL · OPEN/CLOSE · PLAY · PAUSE · STOP

DVD/CD+G/VCD/Mp3/CD/PHOTO-CD
Karaoke Player with Digital Key Control

owner's manual

Table of contents

Safety Instructions

CAUTION

RISK OF SHOCK

CAUTION: To reduce the risk of electric shock, do not remove cover (or back). No user-serviceable parts inside. Only refer servicing to qualified service personnel.

Explanation of Graphical Symbols

The lightning flash & arrowhead symbol, within an equilateral triangle, is intended to alert you to the presence of danger.

The exclamation point within an equilateral triangle is intended to alert you to the presence of important operating and servicing instructions.

WARNING

To reduce the risk of fire or electric shock, do not expose this unit to rain or moisture.

1. Read Instructions - All the safety and operating instructions should be read before the appliance is operated.

2. Retain Instructions - The safety and operating instructions should be retained for future reference.

3. Heed Warnings - All warnings on the appliance and in the operating instructions should be adhered to.

4. Follow Instructions - All operating and use instructions should be followed.

5. Attachments - Do not use attachments not recommended by the product manufacturer as they may cause hazards.

6. Water and Moisture - Do not use this unit near water. For example, near a bathtub or in a wet basement and the like.

7. Carts and Stands - The appliance should be used only with a cart or stand that is recommended by the manufacturer.

7 A. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause an overturn.

8. Ventilation - The appliance should be situated so its location does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation slots.

9. Heat - The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

10. Power Sources - The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

11. Grounding or Polarization - Precautions should be taken so that the grounding or polarization means of an appliance is not defeated.

12. Power-Cord Protection - Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

13. Cleaning - Unplug this unit from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

14. Power lines - An outdoor antenna should be located away from power lines.

15. Nonuse Periods - The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

16. Object and Liquid Entry - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

17. Damage Requiring Service - The appliance should be serviced by qualified service personnel when:

A. The power supply cord or plug has been damaged; or
B. Objects have fallen into the appliance; or
C. The appliance has been exposed to rain; or
D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
E. The appliance has been dropped, or the enclosure damaged.

18. Servicing - The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

Note:
To CATV system installer's (U.S.A.): This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected as close to the point of cable entry as practical.

FCC INFORMATION (U.S.A.)

1. IMPORTANT NOTICE: DO NOT MODIFY THIS UNIT!: This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modifications not expressly approved by Vocopro may void your authority, granted by the FCC, to use this product.

2. IMPORTANT: When connecting this product to accessories and/or another product use only high quality shielded cables. Cable(s) supplied with this product MUST be used. Follow all installation instructions. Failure to follow instructions could void your FCC authorization to use this product in the U.S.A.

3. NOTE: This product has been tested and found to comply with the requirements listed in FCC Regulations, Part 15 for Class "B" digital devices. Compliance with these requirements provides a reasonable level of assurances that your use of this product in a residential environment will not result in harmful interference with other electronic devices. This equipment generates/uses radio frequencies and, if not installed and used according to the instructions found in the owner's manual, may cause interference harmful to the operation of other electronic devices. Compliance with FCC regulations does not guarantee that interference will not occur in all installations. If this product is found to be the source of interference, which can be determined by turning the unit "Off" and "On", please try to eliminate the problem by using one of the following measures:

Relocate either this product or the device that is being affected by the interference.

Use power outlets that are on different branch (circuit breaker or fuse) circuits or install AC line filter(s).

In the case of radio or TV interference, relocate/reorient the antenna. If the antenna lead-in is 300-ohm ribbon lead, change the lead-in to coaxial type cable.

If these corrective measures do not produce satisfactory results, please contact your local retailer authorized to distribute Vocopro products. If you can not locate the appropriate retailer, please contact Vocopro, 1728 Curtiss Court, La Verne, CA 91750.

CAUTION
The apparatus is not disconnected from the AC power source so long as it is connected to the wall outlet, even if the apparatus itself is turned off. To fully insure that the apparatus is indeed fully void if residual power, leave unit disconnected from the AC outlet for at least fifteen seconds.

CAUTION:
**READ THIS BEFORE OPERATING YOUR UNIT**

1. To ensure the finest performance, please read this manual carefully. Keep it in a safe place for future reference.

2. Install your unit in a cool, dry, clean place - away from windows, heat sources, and too much vibration, dust, moisture or cold. Avoid sources of hum (transformers, v motors). To prevent fire or electrical shock, do not expose to rain and water.

3. Do not operate the unit upside-down.

4. Never open the cabinet. If a foreign object drops into the set, contact your dealer.

5. Place the unit in a location with adequate air circulation. Do not interfere with its proper ventilation; this will cause the internal temperature to rise and may result in a failure.

6. Do not use force on switches, knobs or cords. When moving the unit, first turn the unit off. Then gently disconnect the power plug and the cords connecting to other equipment. Never pull the cord itself.

7. Do not attempt to clean the unit with chemical solvents: this might damage the finish. Use a clean, dry cloth.

8. Be sure to read the "Troubleshooting" section on common operating errors before concluding that your unit is faulty.

9. This unit consumes a fair amount of power even when the power switch is turned off. We recommend that you unplug the power cord from the wall outlet if the unit is not going to be used for a long time. This will save electricity and help prevent fire hazards. To disconnect the cord, pull it out by grasping the plug. Never pull the cord itself.

10. To prevent lightning damage, pull out the power cord and remove the antenna cable during an electrical storm.

11. The general digital signals may interfere with other equipment such as tuners or receivers. Move the system farther away from such equipment if interference is observed.

NOTE:
Please check the copyright laws in your country before recording from records, compact discs, radio, etc. Recording of copyrighted material may infringe copyright laws.

Voltage Selector (General Model Only)
Be sure to position the voltage selector to match the voltage of your local power lines before installing the unit.

240V
110V
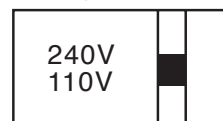
And thank you for purchasing the **DVG-399K** from VocoStar! All of our products are designed to provide years of high-quality karaoke entertainment to individuals and families across the world. Inherited with over a decade of experience crafting professional karaoke equipment from our parent company VocoPro, VocoStar products sound like no other in its class. We support all of our products with quality customer service and technical support professionals, who are ready to assist you with your needs. Also, don't forget to visit us online at www.vocostar.com and www.vocopro.com. We look forward to bringing out the rising star in you, because with VocoStar, you are always a star!

VOCOSTAR

1728 Curtiss Court
La Verne, CA 91750
Toll Free: 800-678-5348
TEL: 909-593-8893
FAX: 909-593-8890

VocoPro Company Email Directory

Customer Service & General Information
info@vocopro.com

Tech Support
techsupport@vocopro.com

Remember Our Website
Be sure to visit the VocoPro website **www.vocopro.com** for the latest information on new products, packages and promos. And while you're there don't forget to check out our Club VocoPro for Karaoke news and events, chat rooms, club directories and even a KJ Service directory!

We look forward to hearing you sound like a PRO, with VocoPro, your ultimate choice in Karaoke entertainment.

FOR YOUR RECORDS

Please record the model number and serial number below, for easy reference, in case of loss or theft. These numbers are located on the rear panel of the unit. Space is also provided for other relevant information

Model Number _____

Serial Number _____

Date of Purchase _____

Place of Purchase _____

Listening for a lifetime

Selecting fine audio equipment such as the unit you've just purchased is only the start of your musical enjoyment. Now it's time to consider how you can maximize the fun and excitement your equipment offers. VocoPro and the Electronic Industries Association's Consumer Electronics Group want you to get the most out of your equipment by playing it at a safe level. One that lets the sound come through loud and clear without annoying blaring or distortion and, most importantly, without affecting your sensitive hearing.

Sound can be deceiving. Over time your hearing "comfort level" adapts to a higher volume of sound. So what sounds "normal" can actually be loud and harmful to your hearing. Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

To establish a safe level:
• Start your volume control at a low setting.
• Slowly increase the sound until you can hear it comfortably and clearly, and without
  distortion.

Once you have established a comfortable sound level:
• Set the dial and leave it there.
• Pay attention to the different levels in various recordings.

Taking a minute to do this now will help to prevent hearing damage or loss in the future. After all, we want you listening for a lifetime.

Used wisely, your new sound equipment will provide a lifetime of fun and enjoyment. Since hearing damage from loud noise is often undetectable until it is too late, this manufacturer and the Electronic Industries Association's Consumer Electronics Group recommend you avoid prolonged exposure to excessive noise. This list of sound levels is included for your protection.

Some common decibel ranges:

Level	Example
30	Quiet library, Soft whispers
40	Living room, Refrigerator, Bedroom away from traffic
50	Light traffic, Normal Conversation
60	Air Conditioner at 20 ft., Sewing machine
70	Vacuum cleaner, Hair dryer, Noisy Restaurant
80	Average city traffic, Garbage disposals, Alarm clock at 2 ft.

The following noises can be dangerous under constant exposure:

Level	Example
90	Subway, Motorcycle, Truck traffic, Lawn Mower
100	Garbage truck, Chainsaw, Pneumatics drill
120	Rock band concert in front of speakers
140	Gunshot blast, Jet plane
180	Rocket launching pad

-Information courtesy of the Deafness Research Foundation

Specifications and features

Specifications

Response Frequency	4Hz - 22 Khz
S/N Ratio	>98dB
Audio Output	2 V
Video Output	1.0V (P - P) 75 Ω
S-Video Output	Y 1.0V (P - P) , C0.28 75 Ω
Power Supply	110V - 240V 60/50Hz
Power Consumption	25W
Operation Temperature	22°F to 113°F (-30°C to 45°C)
Dimensions	17" (L) x 9.8" (W) x 1.7" (H)
Gross Weight	7.1 lbs.

Features

• Multi-format player is compatible with DVD, CD+G, VCD, Mp3, HDCD, CD-R, CD-RW, WMA and PHOTO-CD formats.
• Progressive Scan Player
• 5.1 Channel Dolby Digital/Component Video Output with VFD Display
• Coaxial, S-Video, and Optical outputs
• L/R (RCA) audio outputs
• 2 microphone inputs (1/4") with individual volume controls
• 13-Step Digital Key Control to transpose the key of audio discs
• Adjustable Digital Echo for pro sounding vocals
• DVD functions include Subtitle, Language, Angle, Zoom, and Menu controls
• 110 - 240V and PAL/NTSC compatible for Worldwide use
• Built in AC-3 Decoder
• Full function remote control

Getting connected

The DVG-399K can be used as both a home entertainment DVD player and a Karaoke player/mixer. Since DVD audio is optimal with a digital connection (especially if you have an AC-3 or DTS receiver), it is common for the audio connection to be either Coaxial or Digital.

Karaoke, on the other hand, requires an analog audio connection in order to output a mixed microphone signal along with the audio source. This would mean that one would need BOTH a digital audio and analog audio connection in order to enjoy both DVD quality audio AND Karaoke entertainment. Below are instructions for connecting to both analog and digital devices.

NOTE: *Before connecting, ensure there is no power to the involved components.*

AUDIO CONNECTIONS

Connecting to an Analog Amplifier, Mixer, Stereo Receiver or TV

To connect the DVG-399K to an analog amp or mixer, use the FRONT L (white) and R (red) RCA audio outputs.

Connect one set of red & white RCA cables to the RCA audio output (FRONT L and R) jacks on the DVG-399K. Connect the other set of red & white RCA plugs to the AUDIO INPUT jacks on your stereo receiver/TV. Depending on the input device, the audio input jacks may be labeled AUDIO, LINE, AUX, etc.

NOTE: *Make sure that your input device is set to the correct input. i.e. If you are connected to input 1, be sure that input 1 is the active input on your device. Many amps, mixers, receivers and TVs have a button to select the active input.*

Connecting to a Dolby Pro Logic Amplifier

The DVG-399K has Dolby capability for a 5.1 surround sound system.
Using RCA patch cables, connect the plugs from one side of the cables to the FRONT L, FRONT R, CENTER, SUR L, SUR R, and SW outputs on the DVG-399K.
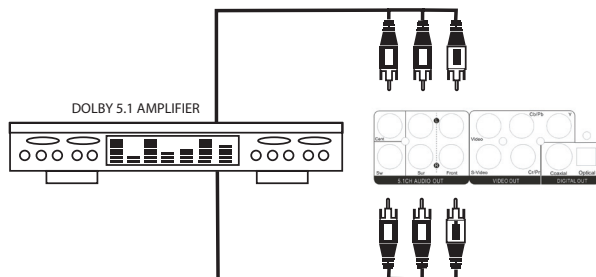
Connect all the plugs from the other side to the FRONT L, FRONT R, CENTER, SUR L, SUR R, and SW inputs your Dolby Pro Logic amplifier.

Front L - Front Left	**Sur L** - Surround (rear) Left	**SW** - Subwoofer
Front R - Front Right	**Sur R** - Surround (rear) RIght	**Center** - Center Speaker

Amplifiers

Connecting to a Dolby Pro Logic Amplifier

Connecting to an Analog Amplifier/Mixer

DA-8808VE
Mixer/Amp
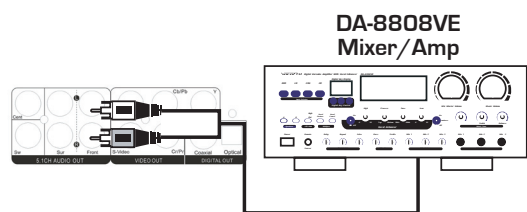
Getting connected cont

Connecting to a Dolby Digital/DTS Receiver/Decoder

Using either an RCA-ended COAXIAL cable suited for digital audio use or an OPTICAL cable, connect one end to the appropriate jack on the DVG-399K (Coaxial or Optical) and the other end to the appropriate jack on the AC-3 decoder/receiver (Coaxial or Optical). If you have both coaxial and optical inputs on your AC-3 decoder/receiver, it is recommended to use an optical connection as those cables eliminate the possibility of EMI (electromagnetic interference). If your Dolby Digital Receiver does not have a built-in AC-3 decoder, and has 5.1 channel RCA inputs, you can use the 5.1 channel output jacks on the DVG-399K. Either method will provide for AC-3 decoding.
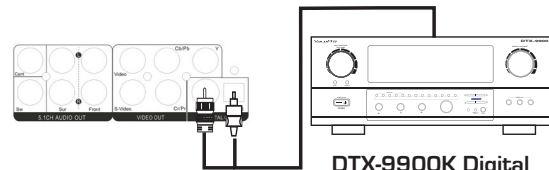
Connecting both Analog and Digital Audio

To do this you will need a Dolby Digital DTS/AC-3 receiver with analog audio inputs or refer to the instructions below for each connection (digital and analog).

Receivers
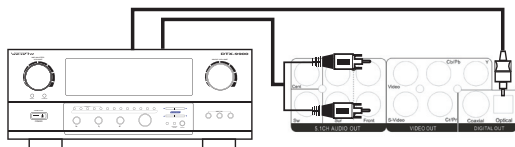
DTX-9900K Digital Karaoke Mixer/Amp

Connecting both Analog and Digital Audio

DTX-9900K Digital Karaoke Mixer/Amp

Connecting to a Dolby/Digital/DTS/Receiver/Decoder

VIDEO CONNECTIONS

Connecting to a TV with S-video

Using an S-Video cable, connect one end to the DVG-399K's S-VIDEO OUTPUT jack and connect the other end to the S-VIDEO IN jack on your television.

NOTE: When using the S-Video output, the DVG-399K's video mode must be set to "S-VIDEO" in the SYSTEM SETUP screen. You can access this screen by pressing SETUP on your remote. The "VIDEO" option can be found in the "SYSTEM SETUP" page. See the SETTING UP PREFERENCES section of this manual for further instructions.

S-Video
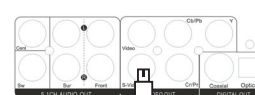
Television

Connecting to a Television with S-Video

Getting connected cont

Connecting to a TV with Component Video

Using 3 appropriate Component Video cables (usually color coded red, blue and green), connect a set of plugs to the COMPONENT VIDEO OUT jacks (Y/Cb/Cr) on the DVG-399K and plug the other set of plugs to the COMPONENT VIDEO IN jacks (Y-U/Cb-V/Cr) on your television.

On some TVs, the component video input jacks may be labeled differently (i.e. Pr/Pb/Y or Cr/Cb/Y or R-Y/B-Y/Y etc.).

NOTE: When using the component video output, the DVG-399K's video mode must be set to "P-SCAN YPBPR" in the SYSTEM SETUP screen. You can access this screen by pressing SETUP on your remote. The "VIDEO" option can be found in the "SYSTEM SETUP" page. See the SETTING UP PREFERENCES section of this manual for further instructions.

Connecting to a Monitor using VGA

Using a VGA cable, connect one end to the DVG-399K's VGA output jack and connect the other end to the VGA IN jack on your HDTV/VIDEO monitor.

NOTE: When using the VGA output, the DVG-399K's video mode must be set to "PC-VGA" in the SYSTEM SETUP screen. You can access this screen by pressing SETUP on your remote. The "VIDEO" option can be found in the "SYSTEM SETUP" page. See the SETTING UP PREFERENCES section of this manual for further instructions.

TV/Monitor

Connecting to a TV with Component Video

Connecting to a Monitor using VGA

Television/Monitor
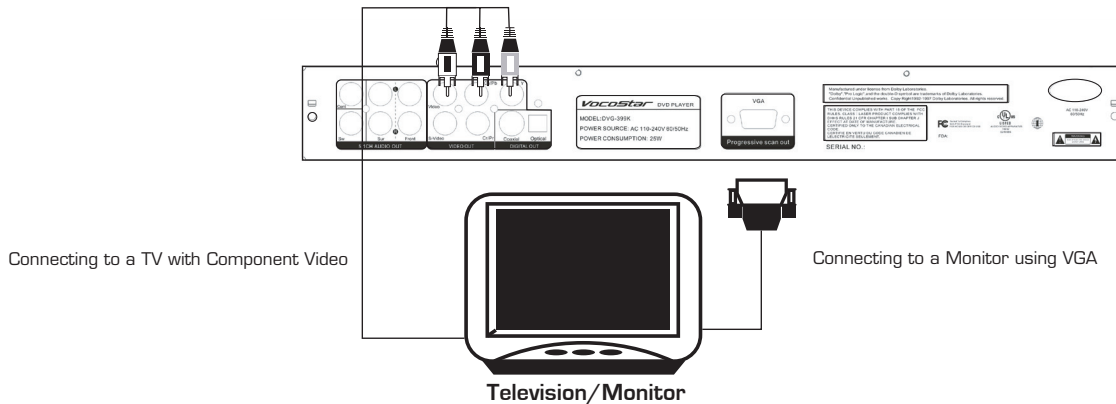
MICROPHONE CONNECTIONS

The DVG-399K has two ¼" microphone inputs, each with their own volume control. Both mic channels can be used simultaneously.
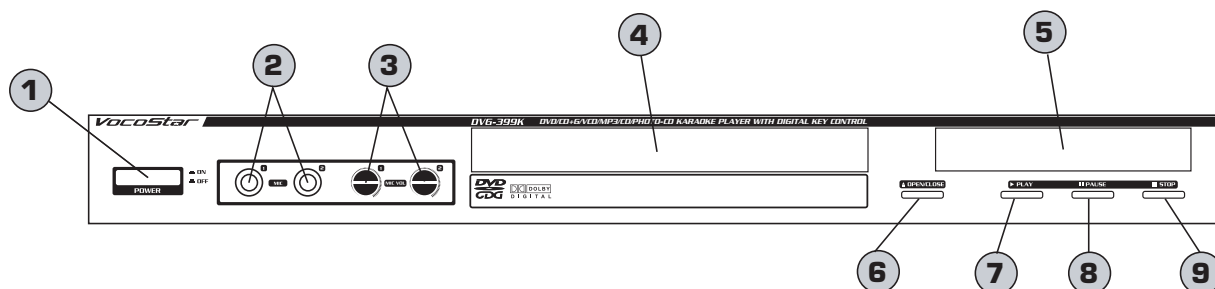
To connect MICROPHONES, connect the XLR-end of the cable into the microphone until it locks into place and connect the ¼" plug into either the MIC 1 or 2 jack on the DVD-399K.

Microphone

Microphone 1

Microphone 2

Connecting Microphones to the DVG-399K
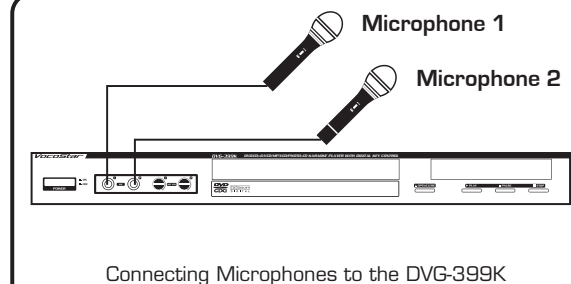
Front panel descriptions

Front

1. **POWER ON/OFF button** - Use this button to turn the DVG-399K ON and OFF.
   NOTE: *If the power is turned on while a disc is already in the disc tray, the unit will automatically begin loading the disc.*

2. **MIC INPUTS 1, 2** - These inputs are for connecting MICROPHONES with a ¼" plug.

3. **MIC 1 / 2 VOLUME controls** - These controls adjust the VOLUME levels of MIC channels 1 and 2 individually. Turn controls clockwise to INCREASE the mic volume and counter-clockwise to DECREASE the mic volume.

4. **DISC TRAY compartment** - This is used for inserting and removing discs. The DISC TRAY is operated using the OPEN/CLOSE button on the DVG-399K or remote.

5. **DISPLAY panel** - Displays graphical information on the DVG-399K's operating status.

6. **OPEN/CLOSE button** - Use this button to open the DISC TRAY compartment for inserting and removing discs.

7. **PLAY button** - This button is used to initiate disc PLAYBACK.

8. **PAUSE (II) button** - This button is used to PAUSE disc PLAYBACK.

9. **STOP button** - This button is used to STOP disc PLAYBACK.

Rear panel descriptions

Rear
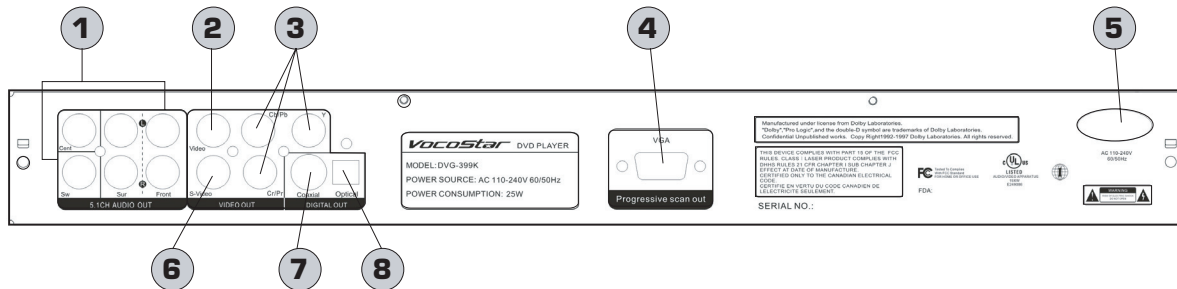
1. **5.1 CH. AUDIO OUTPUT jacks** - These jacks are for connecting to 5.1 channel ready amplifiers/receivers. The labels on each jack specify which speaker in your surround sound system to output to. CENT-center, SUR W- subwoofer, SUR L- surround left, SR- surround right, FL- front left, FR- front right.

   NOTE: If you are using the standard L/R stereo connection, use the FL and FR outputs.

2. **VIDEO (RCA) output jack** - The VIDEO jack outputs video using an RCA video cable.

3. **COMPONENT VIDEO OUT** - These jacks output VIDEO to a TV monitor via COMPONENT VIDEO cables. COMPONENT VIDEO outputs the different color signals (B and R) and luminance signal (Y) separately in order to achieve high fidelity in reproducing colors. The description of the component video output connectors might differ depending on the TV set or monitor (i.e. Pr/Pb/Y or Cr/Cb/Y or R-Y/B-Y/Y etc.). Component video cables only transmit the video signal; separate cables are needed for audio signals. Please refer to the operating instructions of the TV set or monitor for details.

4. **VGA** - For direct connection, using a VGA cable to an HDTV/VIDEO Monitor.
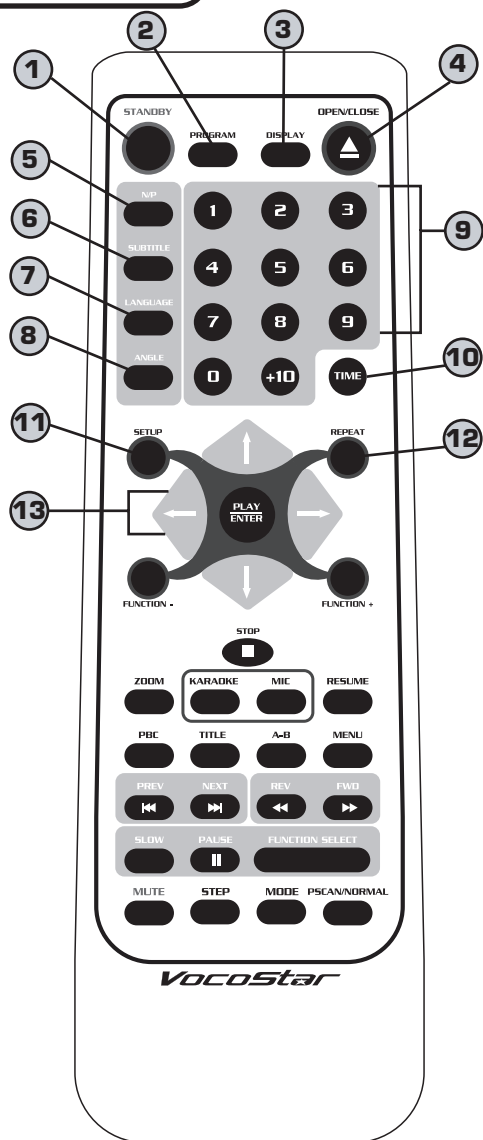
5. **AC IN connection** - Connect AC Power Cord from the wall outlet to this connection.

6. **S-VIDEO output jack** - This jack outputs to a display device (TV, TFT, etc.) using an S-VIDEO cable. SVIDEO provides better color separation and better resolution by separating the color and picture signals of a composite-video signal.

7. **COAXIAL OUT jack** - This digital output is for connecting to devices with a COAXIAL cable.

8. **OPTICAL OUT jack** - This digital out is for connecting devices with an OPTICAL cable. Please make sure to remove the protective cover from this jack prior to connecting an OPTICAL cable. When not using this input, keep the protective cover on to protect it from dust and foreign material.

4. OPEN/CLOSE button - Use this button to open the DISC TRAY compartment for inserting and removing discs.

5. N/P (NTSC/PAL) button - Use this button to select between NTSC/PAL video modes. For U.S., Mexico, and Canada, select NTSC. For European countries, select PAL.

6. SUBTITLE button - This button accesses the subtitle options for the DVD player. Will only work with DVDs that have subtitle options.

7. LANGUAGE button - This button switches between the different LANGUAGES in a DVD that contains multiple LANGUAGES.

8. ANGLE button - This button allows you to switch between different video ANGLES on DVDs that employ multi-angel video.

9. NUMBER pad - Use these buttons for direct track selection, selecting tracks in program mode or any other occasion where numeric entry is needed.
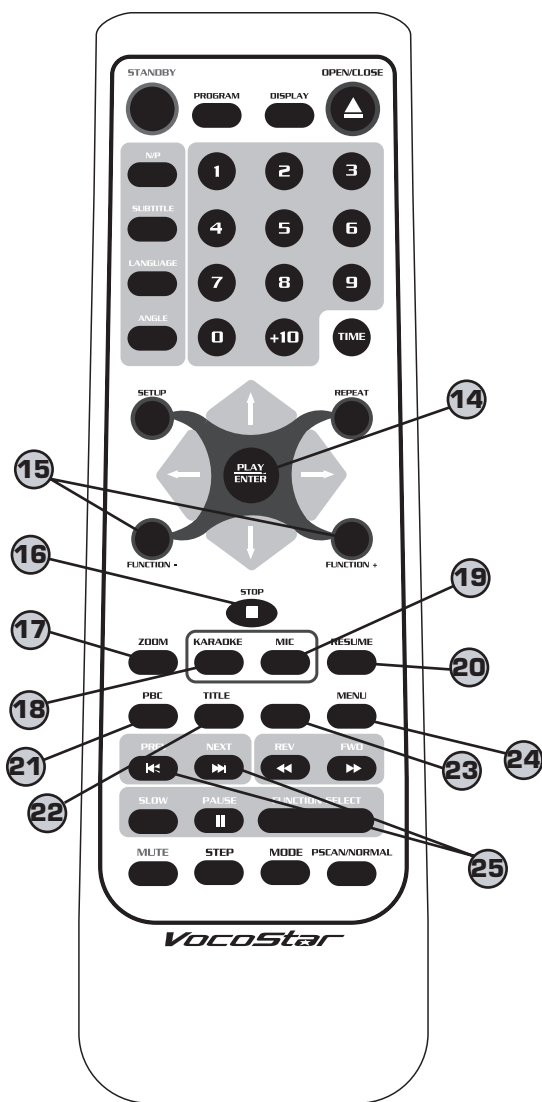
10. TIME button - Press this button to display the current disc's information including type of disc, current track or chapter (DVDs only), disc format, and disc time.   You can use the directional buttons and the number pad to skip directly to a track or a chapter (DVDs only) when this display is showing.

11. SETUP button - Use this button to access the on-screen preference pages. See the SETTING UP PREFERENCES section for more detailed instructions on changing preferences.

12. REPEAT button - Press this button once to have the currently selected track repeat (REPEAT 1) after it completes. Press REPEAT a second time and the entire disc will be replayed once (REPEAT ALL). Press REPEAT a third time to turn REPEAT mode off. This button also toggles between Mp3 Playback Modes. See the Mp3 Playback Modes section for instructions.

13. DIRECTIONAL buttons (< ^ > v) - These buttons allow you to navigate through the DVD menu screens, Setup Pages, and MP3 menus. When viewing a photo from a PHOTO-CD, you can rotate the picture using these directional buttons.

1. POWER/STANDBY - Use this button to turn the DVG-399K ON or place it in STANDBY mode.
NOTE: When the power is turned on, the unit will automatically begin loading the first disc.

2. PROGRAM button - This button accesses the program selection menu. In the program selection menu you can customize the playback order of songs on a disc.

3. DISPLAY button - Use this button to toggle between the different time display options or to turn off the time display. The options are Track Elapsed, Track Remaining, Disc Elapsed, Disc Remaining and OFF.

17. ZOOM button - This button allows you to ZOOM in to and out of the DVD image on the screen by using several preset ZOOM levels. You can ZOOM in at 2x, 3x, and 4x and ZOOM out at 1/2, 1/3, and 1/4 the size of the original picture. This is useful for eliminating bars above and below the image when viewing widescreen movies.

18. KARAOKE button - This button is used to select the audio playback mode: MONO LEFT, MONO RIGHT, and STEREO.19. MIC button - This button turns the MIC inputs on and off. The microphone(s) will only work when they are switched on. By switching this off, you can enjoy using the DVG-399K without having to unplug your mics.

20. RESUME button - Press this button to go back to a particular TIME entered by the user.

21. PBC button -The PBC (Play Back Control) button toggles the PBC mode ON/OFF. When in PBC mode, you can direct access tracks/scenes by using the NUMBER PAD. Not all discs have PBC support coding. Check to make sure a disc has PBC support before trying to use the feature. Pressing the PBC button during the playback of a track/scene will cause the playback to stop and restart.
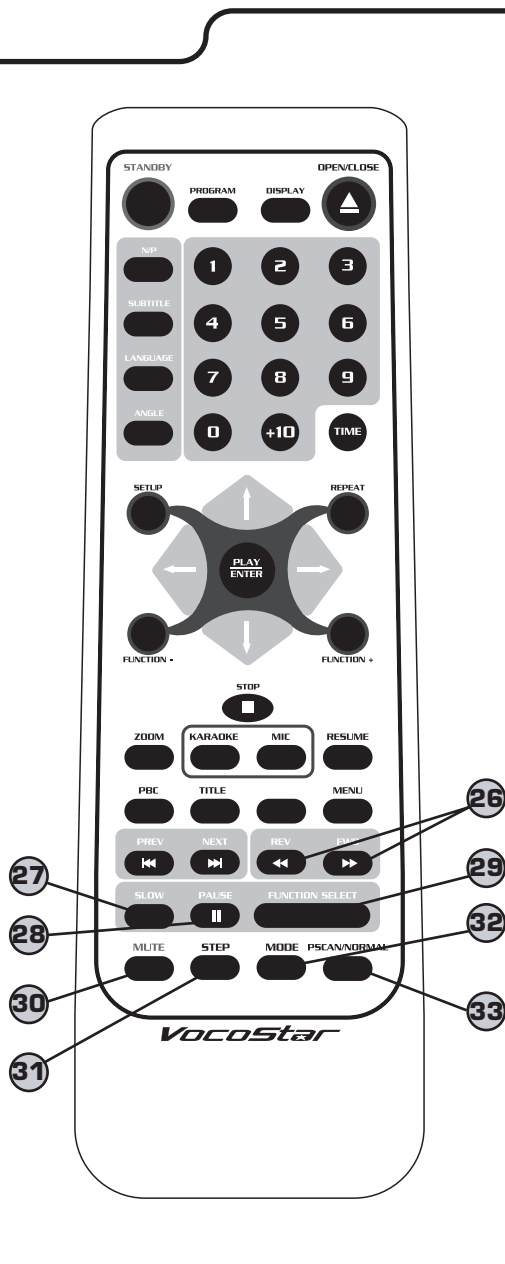
22. TITLE button - Press to access the TITLE MENU of a DVD, VCD or media disc. Press again to return back to disc play back. If the TITLE MENU button is pressed during disc play back, playback is paused. Upon exiting the TITLE MENU, play back is resumed.

23. A-B button - This feature allows you to select a section of the disc for repeat playback. While a disc is playing, press the A/B button once to select the beginning point of the selection. Press the A/B button again to select the end point of the selection. Playback of the selection will start automatically. Press the A/B button again to cancel this feature and return to normal playback.

24. MENU button - This button takes you to the main menu when viewing a DVD.

25. PREV/NEXT (|<</>>|) button - Use these buttons to skip forward or backward to a different track. Press the PREV (|<<) button to go back to the previous track and the NEXT (>>|) button to jump forward to the next track.

14. PLAY/ENTER button - This button is used to initiate disc PLAYBACK or make selections in DVD, Mp3, PHOTO-CD and PREFERENCES menu screens.

15. FUNCTION +/- buttons - These buttons increase and decrease VOLUME, ECHO, and they KEY when in DIGITAL KEY CONTROL mode. See the FUNCTION SELECT button (#29) to learn about switching between these modes.

16. STOP button - This button is used to STOP disc PLAYBACK.

29. FUNCTION SELECT button - This button switches between VOLUME, ECHO, and DIGITAL KEY CONTROL mode. Use the FUNCTION +/- (#15) buttons to increase or decrease the values of each of these functions.

30. MUTE button - Press to SILENCE audio playback. Video playback is not affected while using the menu feature.

31. STEP - Press this button to enter STEP mode playback. In STEP mode, playback is paused and the track/scene advances only a single each time STEP is pressed. To exit STEP mode, hit the ENTER/PLAY button.

32. MODE button - This button switches through 4 PSM (Picture Status Memory) modes, Standard, Dynamic, Mild and Memory. The PSM function adjusts the monitor to the best picture appearance. Choose which mode looks best on your TV or monitor.

33. PSCAN/NORMAL button - Use this button to switch between progressive scan and normal video modes.

26. REV/FWD (<</>>) buttons - Use these buttons to scan forward or backward through a track. Press the REV (<<) button to reverse-scan and press the FWD (>>) button to forward-scan.

27. SLOW - Press to execute a SLOW motion playback of a DVD or Video CD.

28. PAUSE (II) button - This button is used to PAUSE disc PLAYBACK.

Basic operations

Initial Playback

Getting ready to play
–Turn on the TV and set its video source to the channel that the DVG-399K is connected to (VIDEO 1, Video 2, AV 1, etc.)
–Turn on the audio equipment connected to the unit. Set its input source to the channel that the DVG-399K is connected to.

1. Press POWER
When the unit turns on you will see LED activity in the display panel and see the VocoStar splash screen on your TV.

2. Press OPEN/CLOSE to open the DVG-399K's disc tray.

3. Loading a DISC
Place a disc in the disc tray with the label side facing up.

4. Press OPEN/CLOSE to close the disc tray
After the disc tray closes, the disc will automatically start playing. If it does not auto-start, press PLAY.

When the menu screen is displayed:
The menu screen may be displayed first after loading a DVD, which contains a menu. Use the (< ^ > v) to select the title/chapter that you want to view, then press PLAY/ENTER to start playback.

To stop playback:
Press the STOP button.
Discs will continue to spin while the menu screen is displayed. When you are finished using the DVG-399K turn the power off or put it in STANDBY mode by pressing the STANDBY button on the remote.

Pausing playback
Press PAUSE during playback. To return from pause, press the PLAY or PAUSE button.

Advanced operations

Frame Advance

Press STEP while a disc is playing.

Each time you press the STEP button, the program advances one frame. There is no audio during STEP playback. To return to normal playback press PLAY.

Slow Motion Playback

On DVDs you can go slow motion forwards (SF)) at 1/2, 1/3, 1/4, 1/5, 1/6, and 1/7 the normal speed, by pressing the SLOW button. Use the SLOW button to toggle between the 6 different
slow modes that appear in the following order. SF 1/2, SF 1/3, SF 1/4, SF 1/5, SF 1/6, SF 1/7 and PLAY which returns to normal playback speed.

Scene/track selection

To skip to the next chapter or track:
Press the NEXT (>>|) button during playback.
The disc position advances one CHAPTER or TRACK each time the button is pressed.

To return to the previous chapter or track:
Press the PREV (|<<) button twice in rapid succession to return to the beginning of the previous chapter or track.

*NOTE: When using these features with a VCD1.1 disc with PBC on, you may be returned to the main menu.*

To skip to the desired track directly using the number buttons:
During playback or in stop mode, press the desired track number using the number pad on the remote control and then ENTER.

Selecting a Playback Starting Point
using the TIME button:
Searching by chapter/track Press the TIME button
on the remote once during playback. Using the number
buttons on the remote control, input the numbers for
the chapter/track you want to view.
(i.e. To start at chapter 8 press the TIME button once
and then press O8 and then press ENTER).

TITLE 01/78 TIME

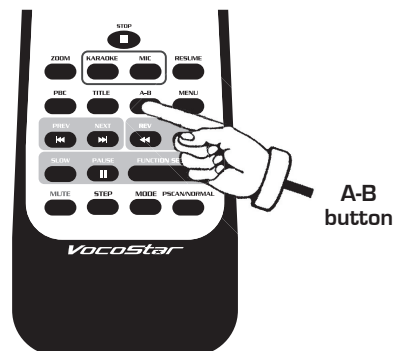**TIME button**
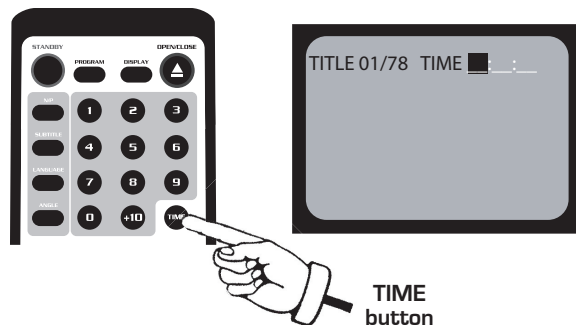
Repeating a Segment Using the A-B Feature

Press the A-B button
The starting point of the LOOP region is immediately commenced
after pushing A-B. Press the A-B button again to establish the LOOP
ending point.

To cancel the loop
Press the A-B button a third time.

NOTE: You cannot search and skip tracks while using the A-B feature.

A-B button

Advanced operations cont

Programming Playback

Press PROGRAM when the disc is stopped.

You can select up to 16 tracks to program. The program is maintained until the STOP button is pressed twice, the disc is removed or the unit is turned off.

To program tracks
In the PROGRAM menu there are 16 open slots. To program, use the directional buttons to highlight the desired slot and then press the track number (on the numerical pad) that you want to play in that slot. For example: If you want track number 8 to play first: Press Program, then make sure slot # 1 is highlighted and then press the number 8 on the numerical pad.

Repeat this procedure until you are complete with your program.

**To start playback of a program**
Press PLAY.

To cancel a program
You can cancel a program by pressing the STOP button twice, removing the disc is removed or turning off the unit.

Changing Angles

When playing a DVD with multi-angles recorded, you can select the angle you want to view. During playback, when a multi-angle scene comes on, the angle symbol is displayed to queue you that more viewing angles are available.

Press the ANGLE button.
Each time ANGLE is pressed, the next available viewing angle is initiated until returning to the original angle.
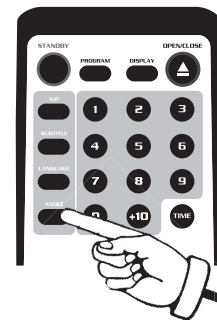
ANGLE
button

Displaying and Changing Subtitles

Press the SUBTITLE button. Each time the SUBTITLE button is pressed, a different language will display as the default subtitle language. Subtitle availability is depended upon the disc manufacturer.

To remove subtitles
Press the SUBTITLE button until subtitles are off.
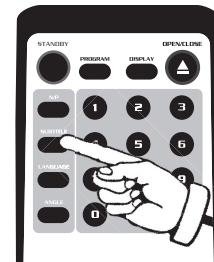
SUBTITLE
button

Setting up preferences

Press SETUP on the remote control to get into the SETUP menus. All settings have been preset in the DEFAULT mode. This means that the most common settings will already be active when you first setup the DVG- 399K. It may not be necessary to make any changes for the DVG-399K to work correctly.

To exit the SETUP screen simply press SETUP on your remote or scroll down to EXIT SETUP on the MENU MAIN PAGE and press ENTER on your remote.

SYSTEM SETUP

Press SETUP on the remote control and be sure that SYSTEM SETUP is highlighted.

1. TV SYSTEM
Set the DVG399K's output to match your TV set's system format. For example, NTSC for North American TV systems or PAL for European systems. Select AUTO if you frequently switch between PAL and NTSC modes.

2. SCREEN SAVER
When there is no disc or the player is idle for a period of time, screen saver will appear if this setting is ON. Using a screensaver can help protect your TV or monitor's screen.

SYSTEM SETUP
TV SYSTEM
SCREEN SAVER
VIDEO
TV TYPE
PASSWORD
RATING
DEFAULT
EXIT SETUP

3. VIDEO
Choose the video mode based on what video connection you are using.

INTERLACE-YUV: When you are using a YUV Composite Video connection
P-SCAN YPBPR: When you are connected to a progressive scan TV with Component Y, Pb, Pr cables.
PC-VGA: When you are connected to a monitor with a VGA cable.
S-VIDEO: When you are connected to a TV using an S-Video connection.
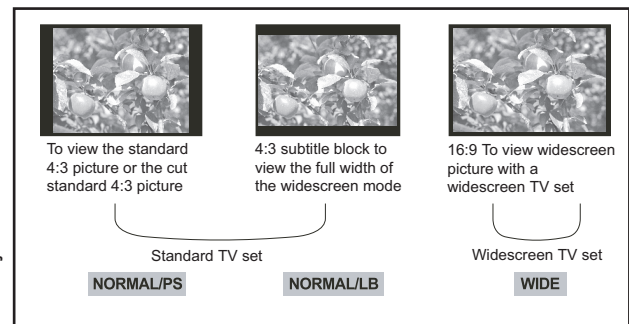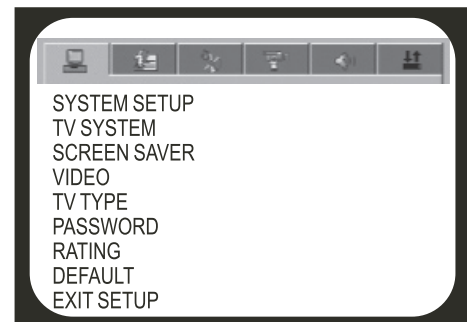
4. TV TYPE
TV Display Modes: You can select one of the following TV display modes for the video output:

4 : 3/PS: When the player is connected to a normal (4:3) TV and a wide picture is shown on the full screen, a portion may be cut off automatically.
4 : 3/LB: When the player is connected to a normal TV and a wide picture is shown on the screen, black strips appear at the top and bottom of the screen.
16 : 9: When the player is connected to a wide screen TV.
NOTE: *If you choose this setting and you don't have a wide screen TV, the images on the screen may appear distorted due to vertical compression.*

To view the standard 4:3 picture or the cut standard 4:3 picture

4:3 subtitle block to view the full width of the widescreen mode

16:9 To view widescreen picture with a widescreen TV set

Standard TV set

Widescreen TV set

NORMAL/PS   NORMAL/LB   WIDE

5. PASSWORD
Enter your password here, to access parental controls. The first time you use this funtion, you will have to input the factory-set password which is "0000" and then press enter. You may then input your own password and then press enter again. Be sure that you write down your new password as the factory-set "0000" will not work if you have changed it.

6. RATING
Parents can control the rating of movie that can be shown on the player. Simply select the rating from the list and then press enter.

7. DEFAULT
Choosing RESTORE, restores the DVG-399K's preferences to the original factory settings.

Setting up preferences cont

LANGUAGE SETUP

1. OSD LANGUAGE
The OSD only has one language: ENGLISH

2. AUDIO LANGUAGE
Sets the language for discs with multi-language capabilities.

3. SUBTITLE LANGUAGE
Sets the language for the movie subtitles. The disc must be equipped with multi-language subtitles for this to work.

4. MENU LANGUAGE

Sets the language for DVD menus with multi-language capabilities.

```
LANGUAGE SETUP
OSD LANGUAGE
AUDIO LANG
SUBTITLE LANG
MENU LANG

EXIT SETUP
```
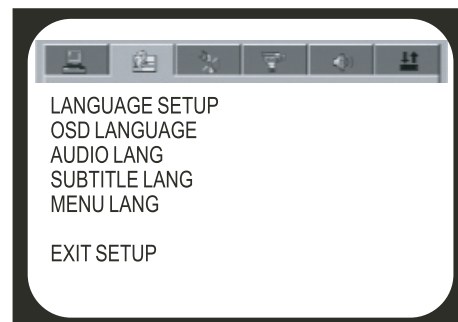
AUDIO SETUP

1. AUDIO OUT
SPDIF/RAW: When using digital output to connect to an amplifier
            with Dolby decoding, select this option.
SPDIF/PCM: When using a stereo amplifier to play Dolby digital
            discs, select this mode.

2. MIC SETUP
There are two MIC settings in the MIC SETUP option: AUTO and OFF.
When selecting AUTO, the player will auto detect and deal with the input voice. When selecting OFF, the player will do nothing with the MIC input.

3. ECHO
Adjust the amount of Echo that will be added to the MIC channels.

4. KEY
Adjust the key of the Digital Key Control.

5. PROLOGIC
Here you can fine-tune you surround sound settings to best suite you.

MOVIE MODE: When you are using the Pro-Logic surround sound outputs for watching a movie.
MUSIC MODE: When you are using the Pro-Logic surround sound outputs for listening to music.

OFF: When you are not using the surround sound outputs.

```
AUDIO SETUP
AUDIO OUT
MIC SETUP
ECHO
KEY
PROLOGIC

EXIT SETUP
```
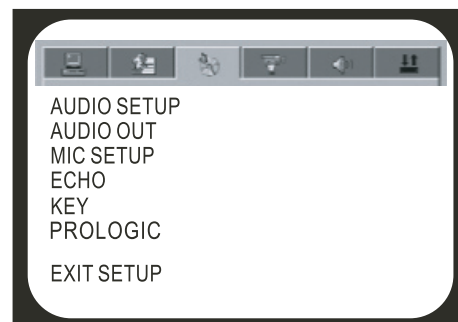
Setting up preferences cont

VIDEO SETUP

1. BRIGHTNESS

Adjust the brightness of the display using the up and down directional buttons.
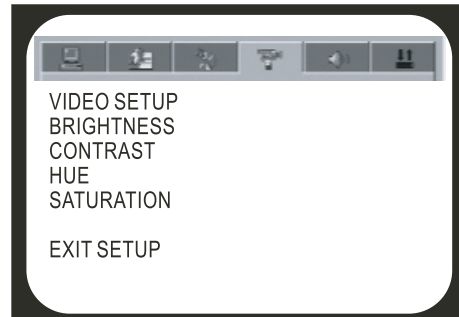
1. CONTRAST

Adjust the contrast of the display using the up and down directional buttons.

1. HUE

Adjust the hue of the display using the up and down directional buttons.

1. SATURATION

Adjust the saturation of the display using the up and down directional buttons.

```
VIDEO SETUP
BRIGHTNESS
CONTRAST
HUE
SATURATION

EXIT SETUP
```

SPEAKER SETUP

1. DOWNMIX

LT / RT: When connecting to a Dolby Digital amplifier.
STEREO: When connecting to a stereo TV or amplifier and the disc supports 2-channel output.
VSS: When using a disc that has been formatted with Virtual Surround Sound.
5.1CH: Choose this setting to output the 5.1-channel sound.

2. SUBWOOFER

Select ON if you are using a subwoofer. Select OFF if you are not using a subwoofer or to bypass the subwoofer.

3. BASS MODE

Select the bass mode according to your speakers' size.

ALL LG SPK: When using speakers with a wide frequency (20Hz - 20KHz).
*ALL SM SPK:* When using an ordinary speaker (200Hz - 20KHz).
MIXED SPK: When using both large and small speakers (The front speaker is wide frequency , the rear and center are ordinary).

4. CENTER DELAY

Center signal output can delay for up to 5 milliseconds.

5. REAR DELAY

LS/RS output can delay for 18 milliseconds.

```
SPEAKER SETUP
DOWNMIX
SUBWOOFER
BASS MODE
CENTER DELAY
REAR DELAY

EXIT SETUP
```
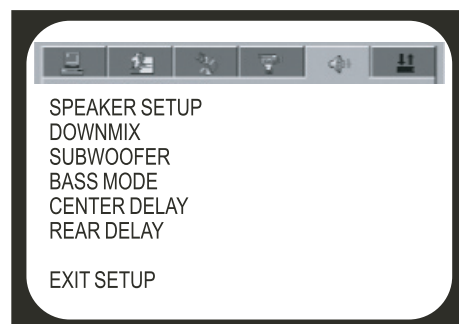
DIGITAL SETUP

1. OP MODE
LINE OUT: This is the standard Digital Output setting.
RF REMOD: When primarily using headphones.

### 2. DYNAMIC RANGE
This selects the Line Out ratio.
NOTE: *This can only be used when LINE OUT is chosen in the OP MODE options.*

FULL: The audio signal peak value will be the minimum
OFF: The audio signal peak value will be the maximum.

3. DUAL MONO

Here you can choose between STEREO, L-MONO, R-MONO, or MIX-MONO output modes. It is usually recommended that you stay in STEREO mode for best results.

DIGITAL SETUP
OP MODE
DYNAMIC RANGE
DUAL MONO

EXIT SETUP
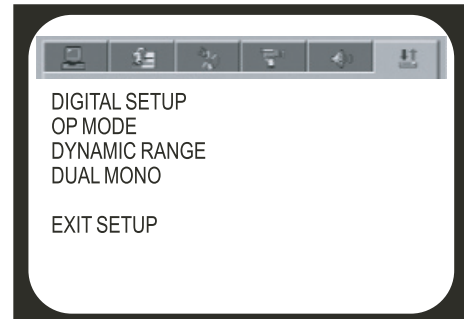
MP3 operations

The DVG-399KK can play back MP3's files recorded to CD-ROM, CD-R or CD-RW discs.

Notes on MP3 Discs
An MP3 file stores audio data that has been compressed using the MPEG1 encoding scheme. Although PC terminology regarding MP3s and storage is, "files" and "folders", in this manual we refer to them as "tracks and albums".

Notes on Playing MP3s
- An MP3 track must be recorded on a disc in the format compliant with ISO9660. Track order may differ from MP3 player to MP3 player.
- The maximum allowable number of tracks and/or albums located on a disc is 900, including the root albums (directory).
- The maximum allowable depth of a nested folder is 127, including files.
- If a disc contains both audio as well as MP3 tracks, it will not play in the DVG-399K.
- Multi-session discs are limited to a total of 20 sessions.
- MP3 playback is optimal with MP3s encoded with a sampling rate of 44.1 kHz and a fixed bit rate of128 kbps.
- The unit may not play MP3 tracks recorded using a packet writing utility.
- The unit can only play back MP3 tracks having a file extension of ".mp3".
- It may take 30 seconds or more before the unit can start playback of MP3's. This time depends on the number of recorded tracks and the complexity of the album tree.
- If you play a non-MP3 track that has the ".mp3" file extension, the unit will skip to the next valid track automatically.
- Digital recordings with this unit cannot be done while playing back MP3 discs.
Notes on display indications during playback
- Up to 8 characters are displayed for the name of an album or track.
- Characters other than uppercase letters ("A" to "Z"), numerals ("0" to "9") and underscore ("_") may not be displayed, or may be displayed in different characters.
- The elapsed playing time may not be displayed correctly for MP3 tracks.
- Depending on the condition of the recording equipment or the CD-R/RW disc itself, a false album or track which cannot by played on the unit may be displayed on a TV screen.

Notes on creating MP3 discs
- When converting audio data to MP3, create MP3 files with a sampling frequency of 44.1 kHz and a fixed bit rate of 128 kbps.
- When creating MP3 discs, do not store more than 900 albums and/or tracks in a disc.
- To play tracks in the order they were recorded, ensure your encoding software is set up to auto arrange by name, or use only one album (if they are already alphabetized) or place a three digit number in front of each track to set an order manually.

Recommended Mp3 Titles = 001-Song.mp3, 002-Song.mp3, 003-Song.mp3...
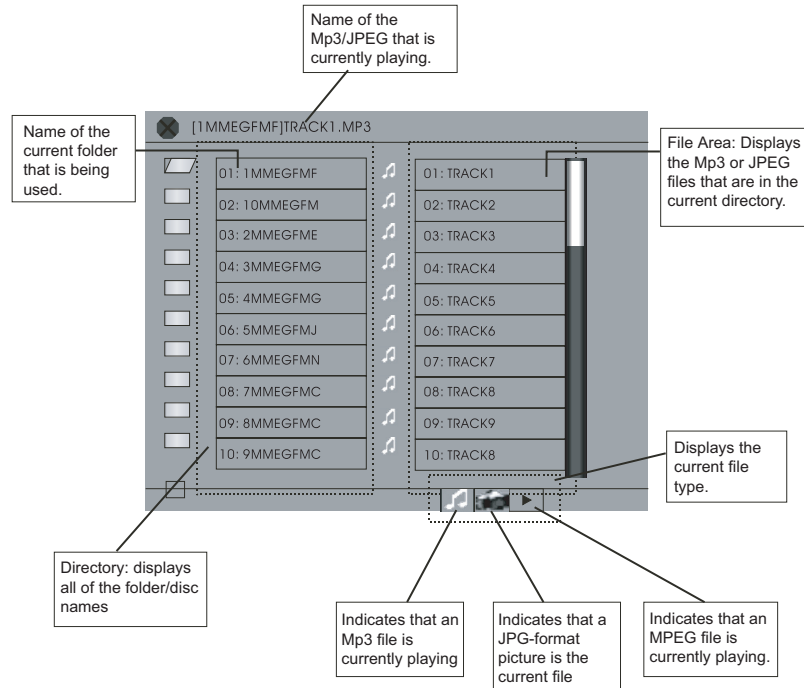***Not Recommended Mp3 Titles*** = 1-Song.mp3, 5-Song.mp3, 10-Song.mp3...

MP3 Playback

Load an MP3 disc.
The disc will automatically load and display the Mp3 window. It may take up to 20 seconds for an Mp3 disc to be read depending on the complexity of the file structure. Use the arrow keys on the remote to navigate through the window. Press the ENTER button to make selections.

Mp3/Photo-CD Menu

Name of the Mp3/JPEG that is currently playing.

Name of the current folder that is being used.

File Area: Displays the Mp3 or JPEG files that are in the current directory.

[1MMEGFMF]TRACK1.MP3

01: 1MMEGFMF	01: TRACK1
02: 10MMEGFM	02: TRACK2
03: 2MMEGFME	03: TRACK3
04: 3MMEGFMG	04: TRACK4
05: 4MMEGFMG	05: TRACK5
06: 5MMEGFMJ	06: TRACK6
07: 6MMEGFMN	07: TRACK7
08: 7MMEGFMC	08: TRACK8
09: 8MMEGFMC	09: TRACK9
10: 9MMEGFMC	10: TRACK8

Displays the current file type.

Directory: displays all of the folder/disc names

Indicates that an Mp3 file is currently playing

Indicates that a JPG-format picture is the current file

Indicates that an MPEG file is currently playing.

Mp3 Repeat modes.
There are 3 available repeat modes for Mp3 discs. Access these by pressing the REPEAT button on the DVG-399K's remote control.

REPEAT 1: Repeats the same song.
REPEAT DIR: Repeats the entire directory (folder) once it has played through.
REPEAT ALL: Repeats the whole disc once it has played through.

Troubleshooting

Problem	Possible Cause	Solution
The power does not come on	-The power cord many not be loose -Your power strip/surge protector may be defective or switched OFF	- Make sure the power cord is plugged firmly into an outlet and the AC IN connection on the back of the DVG-399K - Make sure that it is in working condition and switched ON
A disc does not play or playback stops immediately.	- There may be condensation or dust in the disc player. -The disc may be dirty or scratched	- Use a lens cleaner to clean the disc player. - Clean the disc or use a different one that is not scratched.
No picture	- The player may not be connected correctly - The television/monitor may not be set to the correct video input mode	- Consult the "Getting Connected" section of this manual and try reconnecting the video connections. - Make sure the correct video input mode is set on your TV or monitor.
The picture is bad	- - Is the player in a place with excessive vibration? - Are the video connections firmly attached? - Is the disc dirty? - Is the DVG-399K connected directly to a television selector switch or a television with a built-in video deck?	- Relocate the player to a new location. - Consult the "Getting Connected" section of this manual and try reconnecting the video connections. -Ensure the disc is not dirty and clean it if necessary. - The picture may be bad when used with some television sets or projectors, due to the DVD copy protection scheme - The picture quality may also suffer if the DVD player is connected through a selector switch with other video equipment. Try turning off the power to the other equipment

Problem	Possible Cause	Solution
No Sound	- Are the audio connections firmly attached and correctly connected? - Is the connected audio equipment turned on? Is the volume set correctly?	- Consult the "Getting Connected" section of this manual and try reconnecting the video connections. - Make sure any speakers, amps, mixers, etc. are turned ON and their volume is up.
The remote control does not work properly or at all	- Are the remote control batteries installed correctly? - The remote control may be too far from the DVG-399K? - Is there something in the way - The batteries may be low	- Check battery polarities and make sure that (+) is lined up with (+) and (-) is lined up with (-). - Get within the recommended operating range of the remote control. Remove any obstacles and make sure that the remote is pointed directly at the remote sensor. - Change the batteries

VocoStar