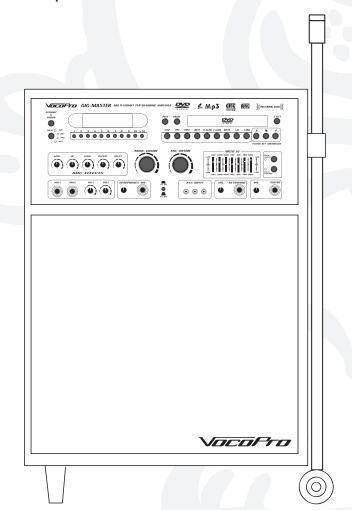# VocoPro

THE SINGER'S ULTIMATE CHOICE

Features:

- All-in-one design pumps 180W of power through a 6-speaker cabinet (90W + 90W peak to peak)
- Multi-format player supports standard CD, DVD, CDG, VCD, MP3, PHOTO-CD, CD-R and CD-RW formats
- Dedicated 1/4" Guitar and Keyboard Inputs with individual Volume controls
- Two 1/4"/XLR Microphone inputs with Bass, Treble, and individual Volume controls
- Digital Echo with Repeat and Delay controls for vocal enhancement
- 13-step Digital Key Controller to transpose the natural key of disc player audio
- Vocal Cancel and Partner modes for activating or removing lead vocals from Multiplex media
- 7-band equalizer to fine tune your tone
- Internal/External speaker selector with external speaker jacks
- Remote control for easy operation
- Inputs/Outputs: 2 pair RCA in and 2 pair RCA out, 2 VIDEO in and out and 1 pair XLR Balanced Audio out.
- 110V-230V and NTSC/PAL compatible for worldwide use

GIG-MASTER

Table of Contents

VocoPro

ULTIMATE CHOICE OF KARAOKE ENTERTAINMENT

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.

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
120V

And Thank you for purchasing the GIG-MASTER from VocoPro, your ultimate choice in Karaoke entertainment! With years of experience in the music entertainment business, VocoPro is a leading manufacturer of Karaoke equipment, and has been providing patrons of bars, churches, schools, clubs and individual consumers the opportunity to sound like a star with full-scale club models, in-home systems and mobile units. All our products offer solid performance and sound reliability, and to reinforce our commitment to customer satisfaction, we have customer service and technical support professionals ready to assist you with your needs. We have provided some contact information for you below.

VocoPro
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

AC INPUT VOLTAGE
115V / 230V

AUDIO OUTPUT POWER
180W (90W + 90W peak to peak)

AV1 AV2 AV3 AUDIO INPUT SENSITIVITY
500mV

VIDEO INPUT SENSITIVITY
1V

MIC INPUT SENSITIVITY
8 mV

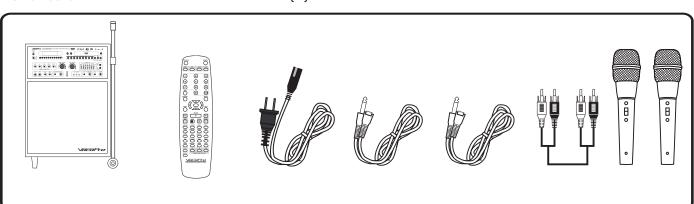KEYBOARD/GUITAR INPUT SENSITIVITY
8mV

VIDEO OUTPUT LEVEL
1V (Peak to Peak)

AUDIO OUTPUT LEVEL
500mV

S/N RATIO
80dB

PACKAGE CONTENTS

Items	Quantity
GIG-MASTER Unit	(1)
Microphones	(2)
Microphone cables	(2)
RCA Cables	(2)
Remote Control	(1)
Power cord	(1)

If you find that any of the items mentioned above are missing from the box, please contact VocoPro before proceeding.
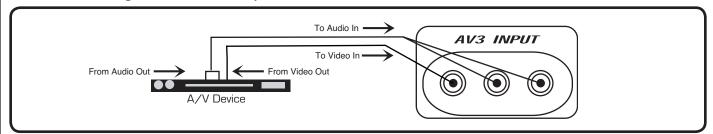
Getting Connected

AV INPUT CONNECTIONS

To connect an external AV device such as a mixer or player, use RCA-type AV cables for all connections.

For AUDIO, connect the L and R AUDIO OUTPUT jacks from the source player to the L (white) and R (red) AUDIO INPUT jacks on the GIG-MASTER using one of the three AV channels of your choice.
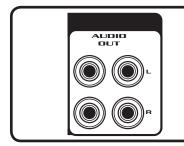
For VIDEO, connect the VIDEO OUTPUT jack on the source player to the yellow VIDEO INPUT jack on the GIG-MASTER, using the same channel you connected the audio to.

To Audio In →

AV3 INPUT

To Video In →

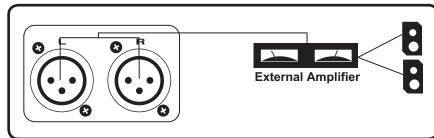From Audio Out →   ← From Video Out

A/V Device

AUDIO OUTPUT CONNECTIONS

To output audio to external devices, there are three available jacks:
AUDIO OUTPUT 1 & 2 (RCA) and BALANCED AUDIO OUTPUT (XLR).
All three outputs can be connected simultaneously

For AUDIO OUTPUT 1 & 2, using an RCA-type audio cable, connect the left and right AUDIO/LINE/AUX INPUT jacks on the external device to the left and right AUDIO OUTPUT 1 or 2 jacks on the GIG-MASTER.

AUDIO OUT

L

R

For BALANCED AUDIO OUTPUT, using two XLR-type audio cables, connect the left and right AUDIO/LINE IN jacks on the external device to the left and right BALANCED AUDIO OUTPUT jacks on the GIG-MASTER's rear panel.

L   R
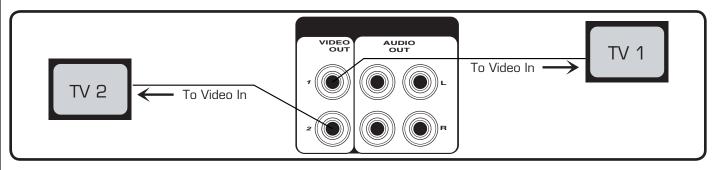
External Amplifier

VIDEO OUTPUT CONNECTIONS

The GIG-MASTER has two RCA-type VIDEO OUTPUT jacks for connecting to TVs or monitor devices.

Connecting to a TV with an RCA Connection

Using either the yellow RCA plug from the included RCA patch cable or a separate RCA patch cable, connect one end to the RCA VIDEO OUTPUT jack on the GIG-MASTER and connect the other end to the VIDEO INPUT jack on our TV or monitor device. Both VIDEO OUTPUTS can be connected simultaneously.

VIDEO OUT   AUDIO OUT

TV 1

To Video In →

TV 2   ← To Video In
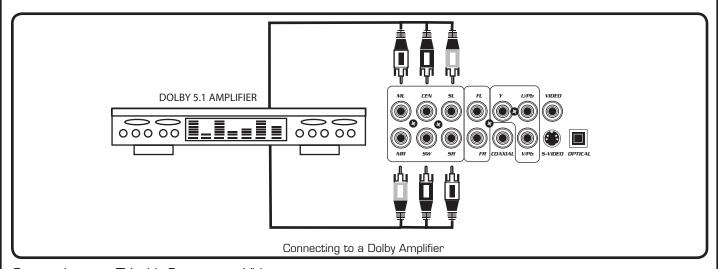
1   L

2   R

DVD OUTPUT CONNECTIONS
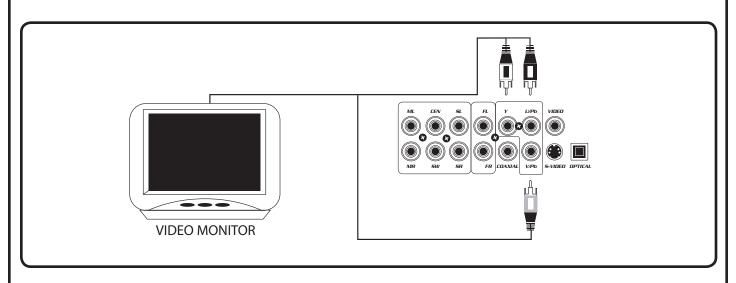
Connecting to a Dolby Pro Logic Amplifier

The GIG-MASTER allows DVD audio output for 5.1 or 7.1 configurations. With a 5.1 Amplifier, you will need six RCA patch cables. Connect the plug from one side of each cable to the ML, CEN, SL, MR, SW and SR outputs on the GIG-MASTER. Connect the plug from the other side of each cable to the corresponding ML, CEN, SL, MR, SW and SR inputs on your 5.1 Amplifier.

A 7.1 Pro Logic configuration requires 2 additional RCA cables to be connected from the FL and FR outputs of the GIG-MASTER to your 7.1 Amplifier.

DOLBY 5.1 AMPLIFIER

ML CEN SL FL Y U/Pb VIDEO

MR SW SR FR COAXIAL V/Pb S-VIDEO OPTICAL

Connecting to a Dolby Amplifier

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-U/Pb-V/Pr) on the GIG-MASTER and plug the other set of plugs to the COMPONENT VIDEO IN jacks (Y-U/Pb-V/Pr) 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.). You will need to press the MODE button on the remote control to toggle between YUV for Component Video, RGB for Composite Video and S-Video. You can only use the MODE button when there is no disc inserted in the disc tray.

ML CEN SL FL Y U/Pb VIDEO

MR SW SR FR COAXIAL V/Pb S-VIDEO OPTICAL

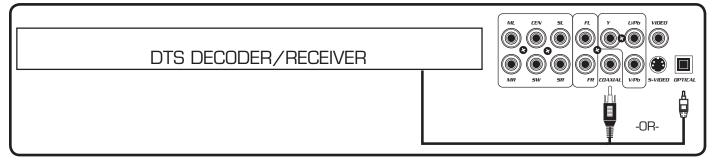VIDEO MONITOR

Getting Connected Cont...

Connecting to a 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 GIG-MASTER (COAXIAL or OPTICAL) and the other end to the appropriate jack on the DTS receiver (COAXIAL or OPTICAL).
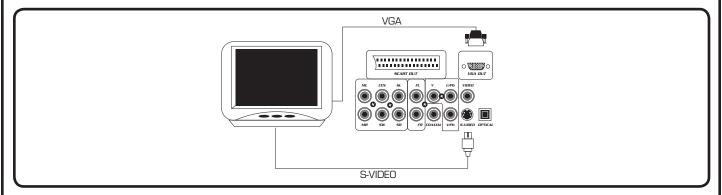If you have both coaxial and optical inputs on your DTS decoder/receiver, it is recommended to use an optical connection as those cables eliminate the possibility of EMI (electromagnetic interference).
If your receiver does not have a built-in DTS decoder, and has 5.1 or 7.1 channel RCA inputs, you can use the 5.1 or 7.1 channel output jacks on the GIG-MASTER. Either method will provide for DTS decoding.
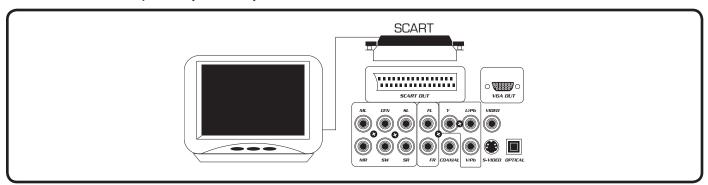
DTS DECODER/RECEIVER

-OR-

Connecting to a TV or monitor with S-Video, VGA or SCART

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

VGA

S-VIDEO

Using a VGA cable, connect one end to the GIG-MASTER's VGA OUTPUT jack and connect the other end to the VGA IN jack on your HDTV/VIDEO monitor. See above.

Using a SCART cable, connect one end to the GIG-MASTER's SCART OUTPUT jack and connect the other end to the SCART IN jack on your TV System.

SCART

Getting Connected Cont...

MICROPHONE/INSTRUMENT INPUT CONNECTION

After completing your main system connections, it is time to get your microphones and instruments connected and ready for performing. Before you get started with your connections we recommend that you take the following tips into consideration:

> • When connecting instruments, refrain from using low quality or worn cables as they can cause significant noise and loud pops, posing a threat to the system's speakers.

> • Use caution when connecting a chain of multiple effects pedals, as the output voltage may change and possibly overload the GIG-MASTER's input channel.

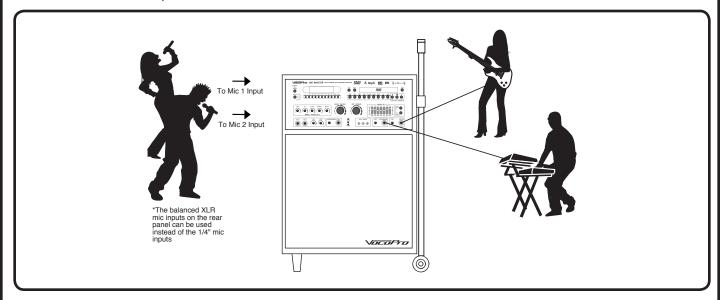The GIG-MASTER has one guitar (¼"), one keyboard (¼") and two microphone (¼"/XLR) inputs.
> **NOTE: Both the XLR and ¼" mic inputs cannot be used simultaneously.**

To connect MICROPHONES via ¼" mic cables, 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 GIG-MASTER.

To connect MICROPHONES via XLR mic cables, attach the XLR "female" end of the cable into the "male" three prong jack located at the base of your handheld MICROPHONE until it locks into place. Then connect the XLR "male" jack at the other end of the cable into either of the BALANCED MIC 1 or 2 inputs on the GIG-MASTER's rear panel. It should be obvious which sides of your XLR cable are male and female as there is only one possible connection.

To connect a GUITAR, connect a ¼" instrument cable from the GUITAR's ¼" output to the GIG-MASTER's ¼" GUITAR input.

To connect a KEYBOARD, connect a ¼" instrument cable from the KEYBOARD's ¼" output to the GIG-MASTER's ¼" KEYBOARD input.

To Mic 1 Input

To Mic 2 Input

*The balanced XLR mic inputs on the rear panel can be used instead of the 1/4" mic inputs

CONNECTING EFFECTS USING THE EFFECT LOOP

By using the built-in EFFECT LOOP you can add external effects to vocals and/or music without compromising the quality of the original signal. We have equipped the GIG-MASTER with 3 "Loop Bars" to fill all the EFFECT LOOP inputs and outputs. The Loop Bar for the MIC IN/OUT EFFECT LOOP enables the internal MIC EFFECTS, and without this bar or other effect device in place, there will be no mic signal output. To use the effects loop to connect external effects, remove the Loop Bar and replace it by using RCA cables. Connect one RCA cable from the GIG-MASTER's MUSIC/MIC OUT jack to the effects unit input. Then connect another RCA cable from the effects unit output into the GIG-MASTER's MUSIC/MIC INPUT jack. Use the MIC IN/OUT when adding effects to the vocals and use the MUSIC IN/OUTs for LEFT and RIGHT when adding effects to the music.
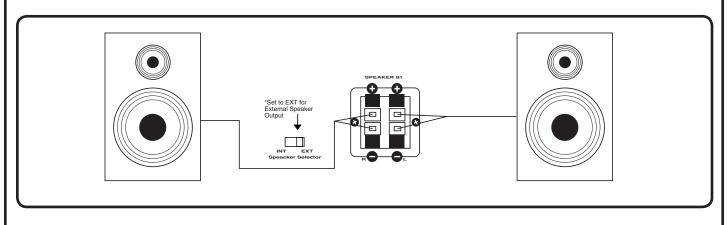

AC DEVICE CONNECTIONS

The GIG-MASTER has an AC power outlet on the rear panel to provide power to a connecting device.

NOTE: A device with a power consumption rating over 200W should not be connected as that exceeds the allowable power feed. Doing so may cause serious damage to both devices and may void your warranty.
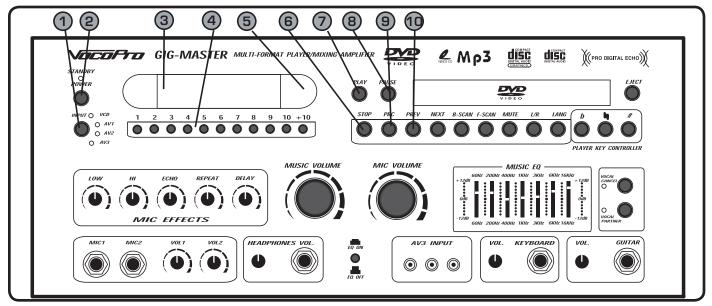
CONNECTING EXTERNAL SPEAKERS

The GIG-MASTER has a set of speaker connectors for connection to external speakers. Remember that only speakers with an impedance rating of 8 ohms should be connected.

To connect speakers, first unlock the plastic fasteners on each speaker connector by pushing downward on them. Then strip approximately a 1 /2 " of insulation from the speaker wire ends and twist the strands so that they can easily slide through the holes. Once a wire is inserted, lock them in place with the fasteners by pushing upward on them. It is easy to over-insert a wire into a speaker connector so that the insulation is inserted as well. To ensure this doesn't happen, only insert the wires to the point where you can still see the edge of the insulation.

1. **INPUT** - This button toggles through all the INPUT channels (DVD, AV 1/2/3) for available INPUT SOURCES.

2. **POWER/STANDBY** - This button is used to turn the GIG-MASTER 'ON' or place it in STANDBY mode.
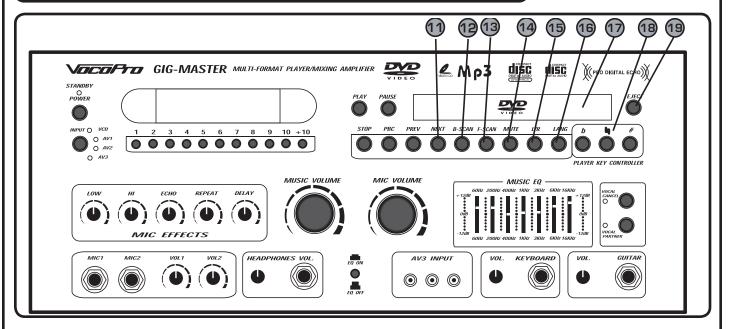
NOTE: When in STANDBY mode, the GIG-MASTER is not completely powered down and still contains residual power. This button will not turn the GIG-MASTER on if the MAIN POWER switch on the rear panel is switched off. To completely turn the power off, use the MAIN POWER switch on the rear panel of the GIG-MASTER.

3. **GRAPHIC DISPLAY** - This panel displays all graphical information regarding system operations, settings and performance.

4. **DIRECT TRACK ACCESS** - These buttons allow for DIRECT TRACK selection. For tracks 10 and up, press the +10 button. For example, to go directly to track 13, you would press +10 and 3, and for track 22, you would press +10, +10 and 2.

5. **REMOTE SENSOR** - This sensor receives infrared signals transmitted by the REMOTE CONTROL transmitter.

NOTE: Obstacles located between the remote control and remote sensor should be avoided as they can prevent signal recognition.

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

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

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

9. **PBC** - The PBC (play back control) button toggles the PBC mode ON/OFF. When in PBC mode, you can use direct access to tracks/scenes by using the NUMBER PAD on the REMOTE CONTROL. This feature is used primarily with VCD, MP3 and PHOTO-CD discs. NOTE: 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.

10. **PREV** - This button is used to go back to a PREVIOUS track.

11. **NEXT** - This button is used to advance to the NEXT track.

12. **B-SCAN** - This button is used to scan BACKWARD through a track on a disc while it is playing.

13. **F-SCAN** - This button is used to scan FORWARD through a track on a disc while it is playing.

14. **MUTE** - Press this button to silence audio playback. Press a second time to return to audio playback.

15. **L/R** - This button will cycle between four audio playback modes: STEREO, LEFT/LEFT, RIGHT/RIGHT and LEFT/RIGHT. In STEREO mode, audio playback is standard L/R audio. In L/L mode, the right channel is removed and replaced with a duplicate left channel. In R/R mode, the left channel is removed and replaced with a duplicate right channel.

16. **LANG** - This button selects LANGUAGE options with compatible DVDs.

17. **DISC TRAY** - This is where discs are placed for playback. The DISC TRAY is operated using the EJECT button on the GIG-MASTER or the OPEN/CLOSE button on the remote.

18. **DIGITAL KEY CONTROL** - These buttons direct the DIGITAL KEY CONTROLLER to either raise, lower or reset the musical key of audio from the disc player.

> \# - Raises the musical key a half-step each time it is pressed.
> ♮ - Resets the musical key to its original key.
> b - Lowers the musical key a half-step each time it is pressed.

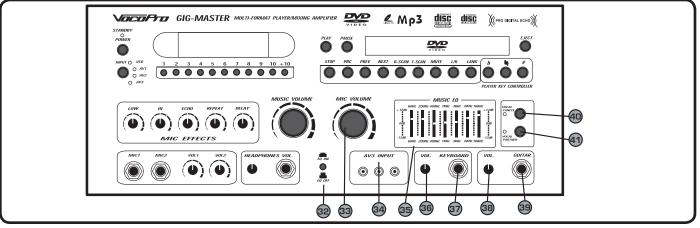19. **EJECT** - This button is used to OPEN/CLOSE the DISC tray.

20. **LOW** - This control increases/decreases the amount of LOW frequency response applied to the MASTER VOLUME output.

21. **HI** - This control increases/decreases the amount of HI frequency response applied to the MASTER VOLUME output.

22. **ECHO** - This control adjusts the level of ECHO applied to the MIC channels. Turn control clockwise to INCREASE and counter-clockwise to DECREASE the level of ECHO.

23. **REPEAT** - Use this control to adjust the REPEAT setting of the ECHO effect. As REPEAT adjusts the total number of echo intervals prior to fade-out, the more REPEAT that is applied, the more ECHO intervals will occur prior to fade-out. Turn control clockwise to INCREASE and counter-clockwise to DECREASE level.

24. **DELAY** - Use this control to adjust the DELAY setting of the ECHO effect. As DELAY adjusts the total begin-to-end length of each echo interval, the more DELAY that is applied, the longer each ECHO interval will take to complete. Turn control clockwise to INCREASE and counter-clockwise to DECREASE level.

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

NOTE: With MIC INPUTS 1 and 2, you must select between either XLR (rear panel) or ¼" (front panel). Both types of inputs for each INPUT number cannot be used simultaneously.

27 & 28. **MIC 1 / 2 VOLUME** - These controls adjust the VOLUME levels of MIC channels 1 and 2 individually. Turn controls clockwise to INCREASE and counter-clockwise to DECREASE.

29. **HEADPHONES** - This jack is used to connect HEADPHONES equipped with a ¼" plug.

30. **HEADPHONES VOLUME** control - This control is used to set the VOLUME for the HEADPHONES.
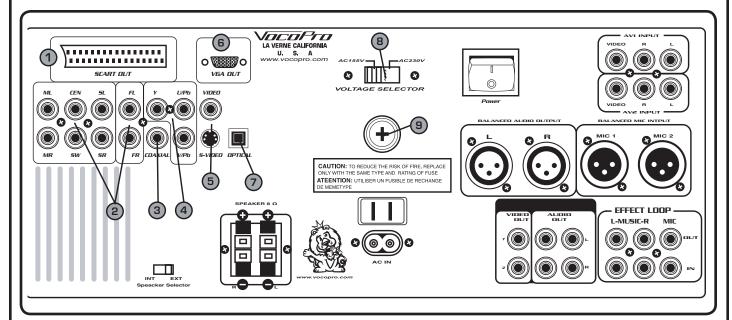
32. **EQ ON/OFF** - This button is used to turn the 7-band Graphic Equalizer ON and OFF. Press the EQ button in to activate the equalizer. In the out position, the equalizer is bypassed.

33. **MUSIC VOLUME** control - This control increases/decreases the MUSIC VOLUME level. Turn clockwise to increase MUSIC VOLUME and counter-clockwise to decrease the MUSIC VOLUME.

34. **AV3 INPUT** - These jacks are for connecting AUDIO/VIDEO OUTPUT from an external AV SOURCE. Connect RCA-style AV cables from these jacks to the AV OUTPUT jacks on you external AV device.

35. **MUSIC EQ** - This GRAPHIC EQ is used to BOOST and/or CUT particular frequencies from SOURCE MUSIC output. Each slide fader processes a particular frequency range indicated by the number above it. Frequencies from 30Hz - 120Hz constitute the very low to low range. Frequencies from 120Hz to 1kHz are the mid-range and frequencies from 1kHz to 16kHz make up the high to very high range. To adjust, slide the fader up to boost the frequency presence or down to cut the frequency.

36. **KEYBOARD VOLUME** - This controls is used to set the VOLUME level for a KEYBOARD connected to the KEYBOARD INPUT JACK.

37. **KEYBOARD INPUT** - This input is used to connect a KEYBOARD device via a ¼" instrument cable.

38. **GUITAR VOLUME** - This controls is used to set the VOLUME level for a GUITAR connected to the GUITAR INPUT.

39. **GUITAR INPUT** - This input is used to connect a GUITAR via a ¼" instrument cable.

40. **VOCAL PARTNER** - When you enable the VOCAL PARTNER feature by pressing this button, the lead vocal layer will be removed only while you are singing into the microphone. When you stop singing into the microphone, the lead vocal layer will automatically be added back into the music. To activate VOCAL PARTNER, press button once. To remove VOCAL PARTNER, press it again.

NOTE: If you try to utilize this feature while a standard or non-multiplex disc is playing, it will not work as this feature is designed to work with multiplex discs only.

41. **VOCAL CANCEL** - This feature is used to cancel out the lead vocal layer on a multiplex format CD+G or VCD disc. In order for this feature to work, the disc must be multiplex formatted. To activate, press the VOCAL CANCEL button once to remove the lead vocal layer. Press a second time, and the lead vocal layer will be reestablished. NOTE: If you try to utilize this feature while a standard or non-multiplex disc is playing, it will not work as this feature is designed to work with multiplex discs only.
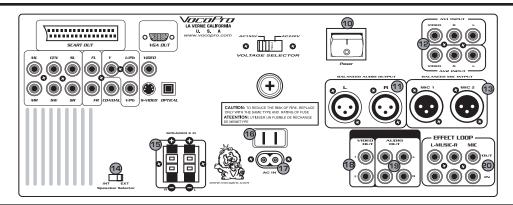
Rear Panel

1. **SCART OUT** - Use this jack for connection to European TV systems.

2. **5.1/7.1 CHANNEL AUDIO OUTPUT** jacks - These jacks are for connecting to 5.1 or 7.1 channel ready amplifiers/recievers. The labels on each jack specify which speaker in your surround sound system output is sent to: ML- middle left, MR- middle right, CENT- center, SW- subwoofer, SL- side left, SR- side right, FL- front left, FR- front right.

3. **COAXIAL OUTPUT** - This digital output is for connecting devices with a COAXIAL cable.

4. **COMPONENT VIDEO OUTPUT** - These jacks output VIDEO to a TV monitor via COMPONENT VIDEO cables. COMPONENT VIDEO outputs the different color signals (U/Pb and V/Pr) and luminance signal (Y) separately for high-fidelity in reproducing colors. The description of the component video out put connectors may differ depending on the TV set or monitor i.e. Pr/Pb/Y or Cr/Cb/Y or R-Y/B-Y/Y. 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.

5. **VIDEO (RCA) and S-VIDEO OUT** jacks - These jacks output video to a display device (TV, TFT, etc.). The VIDEO jack outputs video using an RCA video cable. The S-VIDEO jack uses an S-VIDEO cable. S-VIDEO provides better color separation and better resolution by separating the color and picture signals of a composite-video signal.

6. **VGA** - For direct connection, using a VGA cable to an HDTV/VIDEO Monitor.

7. **OPTICAL OUTPUT** - 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.

8. **VOLTAGE SELECTOR** - This selector toggles between 110-120V and 220-240V power settings. Please make sure this toggle is set to the correct position, matching the receiving AC outlet's power supply before plugging it in and operating it. Doing so may cause severe damage to the unit and void your product warranty.

9. **FUSE terminal** - This terminal houses the GIG-MASTER's main system FUSE. NOTE: If fuse replacement is necessary, only replace with the same type and rating of fuse.

10. **MAIN POWER** switch. This switch turns the GIG-MASTER's MAIN POWER On and Off.
NOTE: The red POWER /STANDBY button on the front panel will not turn the GIG-MASTER on if the MAIN POWER switch is switched OFF.

11. **BALANCED AUDIO OUTPUT** jacks - These XLR jacks are for connecting MASTER output to an external device with balanced cables.

12. **AV 1-2 INPUT** jacks - These jacks are for connecting AUDIO/VIDEO OUTPUT from external AV SOURCES. Connect RCA-style AV cables (R, W, Y) from these jacks to the AV OUTPUT jacks on your external AV devices.

13. **BALANCED MIC 1-2 INPUT (XLR)** - These jacks are for connecting microphones via BALANCED XLR-type microphone cables.
NOTE: Both the XLR and ¼" MIC jacks cannot be used simultaneously for the same MIC INPUT number.

14. **INTERNAL/EXTERNAL SPEAKER** selector - This selector toggles the GIG-MASTER's master output to be played through either the BUILT-IN speakers or EXTERNAL speakers connected to the EXTERNAL SPEAKER CONNECTORS.
NOTE: You cannot playback from both INTERNAL and EXTERNAL speakers simultaneously.

15. **EXTERNAL SPEAKER** connectors - These connectors are for connecting EXTERNAL SPEAKERS to be used for playback instead of the BUILT-IN SPEAKERS.
NOTE: Only connect one 8-ohms rated speaker to each speaker connector.

16. **AC POWER** outlet - This outlet provides AC POWER to an external device.
NOTE: Do not connect any device with a power consumption level higher than 200W.

17. **AC~IN** terminal - Connect AC MAIN POWER CORD from the wall outlet to this terminal.

18. **VIDEO OUT 1-2** jacks (RCA) - These jacks are for connecting the GIG-MASTER's VIDEO OUTPUT to TV or DISPLAY devices. Connect RCA-type patch cables from these jacks to the VIDEO INPUT jacks on the connecting TV or display devices.

19. **AUDIO OUT 1-2** jacks (RCA) - These jacks are for connecting the GIG-MASTER's AUDIO OUTPUT to an amplifier, recording or mixing devices. Connect paired RCA-type patch cables from these jacks to the appropriate INPUT jacks on external audio devices.

20. **EFFECTS LOOP** jacks - The effects loop allows you to add external effects to the audio signal without compromising the original signal. Use the MIC IN/OUT when adding effects to the vocal signal and use the MUSIC IN/OUT when adding effects to the music.

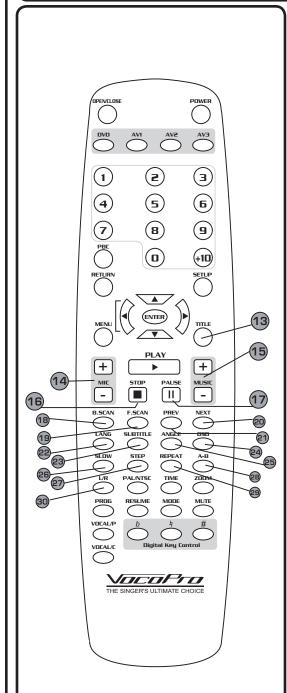# Remote Control: Description and Functions

1. **DVD** - This button selects the DVD player as the input to be used.

2. **OPEN/CLOSE** - This button is used to OPEN/CLOSE the DISC tray.

3. **AV 1/2/3** - Use these buttons to select between the GIG-MASTER's three A/V INPUTs.

4. **POWER** - This button is used to turn the GIG-MASTER 'ON' or place it in STANDBY mode.
NOTE: When in STANDBY mode, the GIG-MASTER is not completely powered down and still contains residual power. This button will not turn the GIG-MASTER on if the MAIN POWER switch on the rear panel is switched off. To completely turn the power off, use the MAIN POWER switch on the rear panel of the GIG-MASTER.

5. **NUMBER PAD** - Use these buttons for direct track selection, selecting tracks in program mode or any other occasion where numeric entry is needed. The +10 button adds 10 to the track number each time it is pressed: 10, 20, 30 etc.

6. **PBC** -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.

7. **SETUP** - Use this button to access the GIG-MASTER's setup page on the video screen. You can navigate between the General Setup Page, Audio Setup Page, Video Setup Page, and the Password Setup page using the DIRECTIONAL buttons (< ^ > v) on your remote. Select options and make changes using the ENTER button on the remote.

8. **RETURN** - Press this button to return to a DVD's main title menu.

9. **DIRECTIONAL KEYS (< ^ > v)** - These buttons allow you to navigate through the DVD menu screens, Setup Pages, and MP3 menus.

10. **ENTER** - This button is used to make selections in DVD menus and the OSD when an entry is highlighted.

11. **MENU** - This button accesses the DVD menu screen.

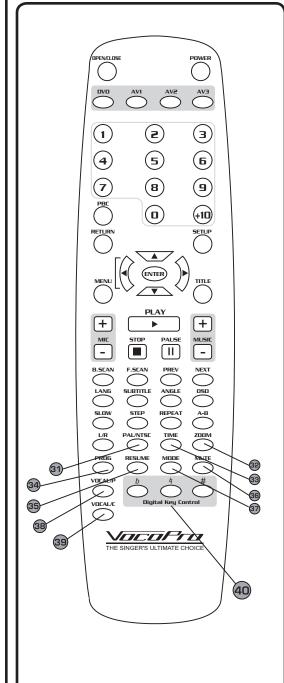12. **PLAY** - This button initiates playback for a disc loaded in the disc tray.

13. **TITLE** - Press to access the TITLE MENU of a DVD, VCD or media disc. Press again to return back to disc playback. If the TITLE MENU button is pressed during disc playback, playback is paused. Upon exiting the TITLE MENU, playback is resumed.

14. **MIC +/-** - Use these buttons to control the MIC volume, The (+) button increases the MIC volume and the (-) button decreases the MIC volume.

15. **MUSIC +/-** - Use these buttons to control the MUSIC volume. The (+) button increases the MUSIC volume and the (-) button decreases the MUSIC volume.

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

17. **PAUSE** - This button is used to PAUSE disc PLAYBACK.

18. **B-SCAN** - This button is used to scan BACKWARD through a track on a disc while it is playing.

19. **F-SCAN** - This button is used to scan FORWARD through a track on a disc while it is playing.

20. **NEXT** - This button is used to advance to the NEXT track.

21. **PREV** - This button is used to go back to a PREVIOUS track.

22. **LANG** - This button switches between the LANGUAGES in a DVD that contains multiple LANGUAGES.

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

24. **OSD** - Press this button to display the DISC PLAYBACK STATUS on the video display. Pressing this button repeatedly cycles between showing the TRACK TIME REMAINING, TRACK TIME ELAPSED, TOTAL DISC TIME REMAINING and TOTAL DISC TIME ELAPSED.

25. **ANGLE** - This button allows you to switch between different video ANGLES on DVDs that employ multi-angle video.

26. **SLOW** - Press this button to execute a SLOW motion playback of a DVD or VCD. Press SLOW to cycle through the 4 available playback speeds: 1/2 speed, 1/4 speed, 1/8 speed and normal. Press the PLAY button to cancel slow-motion playback.

30. **L/R** - This button is used to select the audio playback mode: LEFT/LEFT, RIGHT/RIGHT MIX-MONO and STEREO.

31. **PAL/NTSC** - Use this button to select between PAL/NTSC video modes. For U.S., Mexico, and Canada, select NTSC. For European countries, select PAL.

32. **ZOOM** - This button allows you to ZOOM in to 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.

33. **TIME** - Press this button to manually input a TRACK or TIME MARKER that the GIG-MASTER will immediately start playback from.

34. **PROGRAM** - Press this button to enter track PROGRAM mode. The disc must be stopped to enter PROGRAM mode. See the PROGRAM function in the Operations section of this manual for a detailed explanation of this feature.

35. **RESUME** - Press this button to go back to a specified time.

36. **MUTE** - Press this button to MUTE or silence the audio track during playback. Press MUTE a second time to restore the audio playback.

37. **MODE** - This button toggles between the different variants of component video, RGB (European), YUV (US), and S- Video.

38. **VOCAL/P** (Vocal Partner) - To activate VOCAL PARTNER, press button once. To remove VOCAL PARTNER, press a second time.

NOTE: If you try to utilize this feature while a standard or non-multiplex disc is playing, it will not work as this feature is designed to work on multiplex format discs only.

39. **VOCAL/C** (Vocal Cancel) - In order for this feature to work properly, the disc must be multiplex formatted. Press the VOCAL CANCEL button once to remove the lead vocal layer. Press a second time, and the lead vocal layer will be reestablished. NOTE: If you try to utilize this feature while a standard or non-multiplex disc is playing, it will not work as this feature is designed to work with multiplex format discs only.

40. **DIGITAL KEY CONTROL** - These buttons direct the DIGITAL KEY CONTROLLER

    # - Raises the musical key a half-step each time it is pressed.
    ♮ - Resets the musical key to it's original key.
    b - Lowers the musical key a half-step each time it is pressed

Remote Control:
Description and Functions Cont...

Using the Remote Control
When operating the remote control, point the top of the remote control toward the GIG-MASTER's remote sensor on the front panel and ensure that there is a clear line of sight between the remote control and GIG-MASTER void of obstacles in order to prevent signal deflection.

When to replace the batteries
The maximum operational distance between the remote control and the sensor is approximately 35 feet. If the remote only operates at shorter distances, it is time to replace the batteries.

Approximately 35 feet

Installing the batteries
To install the batteries, first remove the battery compartment lid from the back of the remote control. Insert two AAA batteries, ensuring that the polarities are aligned correctly.

Operations

Preparing a Disc for Playback

Turn the power on by pressing the POWER button on the front panel and make sure that the MAIN POWER on the rear panel is also in the on position. Press the EJECT button on the front panel or the OPEN/CLOSE button on the remote to open the disc tray. Insert a disc, label side up, into the round recess in the tray.

Playing a Disc

Press the PLAY button on the front panel or the remote control to begin disc playback. Press the PREV/ NEXT buttons to skip to the beginning of the previous or next track. Press the STOP button to cease play- back of the disc.

DVDs

The menu screen may be automatically displayed after loading a DVD, which contains a menu. Use the DIRECTIONAL (< ^ > v) buttons to select the title/chapter you want to view, then press ENTER to start playback.

Selecting a Playback Starting Point (using the TIME button)

Beginning from a Specific Time Within a Disc:

You can select the starting point within a disc. (for example, to start at exactly 3:43 into the disc, press the TIME button once and then enter 0343. Playback will start automatically when the last digit is entered.

Beginning from a Specific Time Within a Track:

You can also select the starting point within a track. (for example, to start at exactly 3:43 into the track, press the TIME button twice and then enter 0343. Playback will start automatically when the last digit is entered.

Beginning from a Specific Track:

To select a track to start from, press the TIME button three times on the Remote Control. Using the number buttons (0-9, +10), enter the track number to start with. (for example to start playback on track 5 or +10 and 4 to start playback on track 14). Playback will start automatically when the last digit is entered.

Customizing Audio Playback for MPX Media

Multiplexed discs are specially recorded so that the vocals can be removed for Karaoke. These discs are recorded with the vocals on the right channel only. When the right channel is bypassed and the left channel is split to both sides, the vocals disappear, leaving the music only. The L/R button on the GIG-MASTER's front panel and remote control allows you to select through 4 audio playback modes: LEFT CHANNEL ONLY, RIGHT CHANNEL ONLY, LEFT/RIGHT CHANNELs MIXED and STEREO. To select, press the L/R button repeatedly.

Muting Playback

Pressing the MUTE button on the remote control silences the audio during playback of a disc. Press the MUTE button again or either of the VOLUME buttons to restore audio playback.

Displaying the Elapsed/Remaining Time

While the disc is playing, pressing the OSD button on the remote control will display the disc's playback status. Press the OSD button to cycle between TOTAL (disc time) REMAINING, SINGLE (track time) REMAINING, TOTAL (disc time) ELAPSED , and SINGLE (track time) ELAPSED.

Programming a Playback Sequence

Press the PROGRAM button to enter PROGRAM mode. When in PROGRAM mode the screen will display a list of the tracks on the disc. Next to each track number there is a space to enter the order in which you want each track to play. This allows you to customize the order in which the tracks on the disc will be played back. For example: if you want Track 1 to play second, you would navigate to track 1 using the DIRECTIONAL buttons (< ^ > v) and when track 1 is highlighted, press the ENTER button. Then you would enter "2" using the number buttons (0-9, +10) and then press enter again. Press the PLAY button to begin playback of the programmed sequence.
Note: Program mode cannot be entered while a disc is playing.

Repeat Playback

To repeat a track/scene press REPEAT once.
To repeat a disc/title press REPEAT twice.
To cancel REPEAT mode, either press the PLAY button, or cycle through the REPEAT options till REPEAT is turned OFF

Repeating a Segment Using the A-B Feature

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 A-B loop Press the A-B button a third time.
Note: You cannot search and skip tracks while using the A-B feature.

Programmed Playback

You can select up to 99 tracks to program. The program is maintained until the STOP button is pressed twice or the unit is turned on or off.

Use the number buttons to select a track. Once selected, press PROGRAM to enter it into the program. Repeat this procedure till you are complete with your program.

To start playback of a disc press PLAY.
You can cancel a program by pressing the STOP button twice, removing the disc or turning off the unit. This function does not work unless you turn PBC on.

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 indication is displayed to queue you that more viewing angles are available. Each time the ANGLE button is pressed, the next available viewing angle is initiated until returning to the original angle.

Operations

MP3 FUNCTIONS AND OPERATIONS

The GIG-MASTER can play back MP3 files recorded to CD-ROM, CD/DVD-R or CD/DVD-RW discs.

Notes on MP3 Discs. An MP3 file stores audio data that has been compressed using the MPEG1 encoding scheme. Although PC terminology uses "files" and "folders" regarding MP3s and storage, 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 GIG-MASTER.
- 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 of 128 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 MP3s. 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 or DVD-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 = 001-Song.mp3, 002-Song.mp3, 003-Song.mp3...
Not Recommended = 1-Song.mp3, 5-Song.mp3, 10-Song.mp3...

MP3 GLOSSARY

File Extension - A 3-character string added to a file name under the Windows or DOS environment is called a "file extension". A file extension is used mainly to identify types of files. The file extension for MP3 files is ".mp3".

ISO 9660 - ISO stands for the "International Organization for Standardization". ISO 9660 determines the file structure for CD-ROMs. This unit can play MP3 files recorded in the format compliant with ISO 9660.

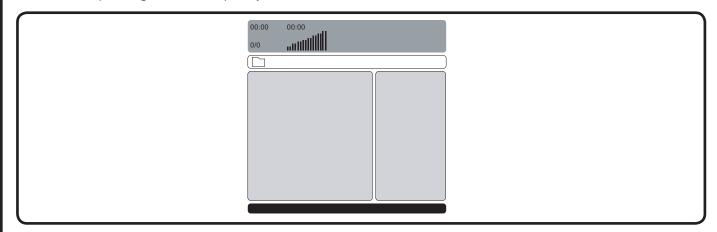Nesting of folders (albums) - To organize all your data files stored in a PC, you can store related files in a folder. A folder can contain other folders as well as files. For example, FOLDER A can contain FOLDER B (as well as files) and FOLDER B can contain FOLDER C (as well as other files).

Session - A session is one uninterrupted section of written data on a disc. A multi-session disc is a disc that has more than two sessions.

MP3 PLAYBACK

To 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.

To start playback of a disc:
Select the MP3 title that you want to begin playback with. If you have folders on the disc, you may need to navigate through them to find the desired MP3 title.

Press PLAY.

You can cancel a program by pressing the STOP button twice or turning the unit on or off.
This function does not work unless you turn PBC on.

KARAOKE FUNCTIONS AND OPERATIONS

Notes on Karaoke Media
There are various types of Karaoke media available for playback with the GIG-MASTER. You can perform Karaoke with DVD, MP3, CDG and VCD formats. The thing to remember is how each type differs as far as audio channels and video support.

DVD
DVD is the most advanced format of Karaoke media available today, harnessing exceptional audio and video capabilities. DVD Karaoke media usually has motion video behind the Karaoke lyrics, making them an attractive choice to liven up the atmosphere. Also, because DVD audio is 6-channels, vocal cancellation and enhancement options are greater and higher in sound quality.

CDG
CDG has been the most commonly used format of Karaoke media for the last 7 years. It is very similar to a standard CD, except it has video graphics that are decoded by your Karaoke player and displayed on screen. In addition, many CDGs are specially 'multiplex' formatted with background music on the left channel and vocals on the right channel, so vocal cancellation can be done by simply adjusting the balance control.

VCD

While the VCD format is not as popular in North America as it is in other countries, it remains an excellent format to be used for Karaoke. Because video is not limited to 16 colors (as with CDG), VCDs tend to have motion video behind the lyrics instead of a monotone screen, making them a bit more attractive to party atmospheres. Most VCDs also have multiplexed coded audio for easy vocal cancellation.

Adjusting the Echo Level

Digital echo provides a very spacious feeling to the vocals. You can adjust the ECHO effect to sound several ways.

1. First off, you can adjust the overall ECHO applied to the Mic channels via the ECHO VOLUME control. This limits the echo to all three channels together.
2. After the ECHO level is set, you can start customizing the nature of the echo effect via the REPEAT and DELAY controls. The REPEAT control adjusts the number of times the echo will repeat prior to fading out. The DELAY control adjusts the interval time between each echo.
For example, a minimal REPEAT and maximum DELAY configuration would result in one echo repetition that occurred seconds after the source sound. A maximum REPEAT and minimum DELAY configuration would result in several echo repetitions occurring extremely close together, at times sounding slightly overlapped.
3. Start some background music and finalize the settings to achieve the "perfect" echo effect.

Using Digital Control

Digital Key Controllers are designed to transpose the natural key of source music up or down, so that singers can perform songs that are normally out of their vocal range. You can use the Digital Key Controller to obtain the desired musical key within 8 half-steps up or down from the original key.

1. To step down, press the left button marked "b".
2. To step up, press the right button marked "#".
3. To revert back to the original key, press the RESET button.

VIEWING A PHOTO-CD

To LOAD a PHOTO-CD:
1.   Insert a PHOTO-CD to either automatically start a slideshow or display the Photo-CD selection window

To view PHOTO-CD images on-screen:

1.   Select a viewing MODE on the bottom of the menu using the remote control.

2.   Select a PHOTO from the menu (may be in a folder) to begin viewing.

3.   Press PLAY

4.   Press the PAUSE button to PAUSE on an image. You can use the 9 or : buttons to maneuver through the Photo's in PAUSE mode

5.   Press STOP to cancel viewing the Photo-CD

VIEWING VCDS

Tips on VCD Discs

There are two types of VCDs:

VCD 1/1.1 Format
This format of VCD has no menu, track search and other video features available, as this format does not support PBC. The same as with audio CD's, these discs will auto-play with full motion-picture audio and video, but with no support for menus and custom track selection

VCD 2.0 Format
2.0 formatted VCDs are equipped with PBC support. PBC (playback control) allows for user-interaction with system menus, search functions and other video-based operations. Moreover, high-resolution still pictures (JPG/JPEG) can be displayed if they are embedded in a VCD track/scene

Playing VCDs

To LOAD a VCD disc:

1. Refer to "Basic and Advanced Operation" section for instructions

Track/Scene Searching

To SEARCH through a track/scene:
1. Press the 78 buttons on the remote control or front panel. Each time you press the 7 or 8 button, the search speed increases

1. To fast forward a disc press 8

2. To fast reverse a disc press 7

3. To return to normal playback, press the PLAY button

Scene/Track Selection
To SKIP to the next chapter or track:
1. Press NEXT during playback. The disc position advances one chapter or track each time the button is pressed

To RETURN to the previous chapter or track:
1. Press PREV 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:
1. During playback or in stop mode, enter the desired track number using the number buttons on the re-mote control. For example, to play track 3, press 3 and then ENTER.

NOTE: For numbers above 10, use the +10 key. For example, for track 22, press +10 twice and 2, then ENTER

Step Mode
To ENTER STEP MODE during playback:
1. Press the STEP button. Each press, the program advances one frame. There is no audio during STEP playback.

To RETURN to normal playback:
1. Press PLAY

Slow Playback
To enter SLOW MODE during playback:
1. Press SLOW. Each time SLOW is pressed, the play speed changes
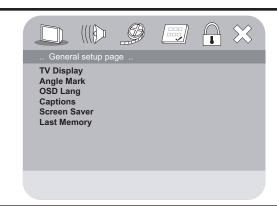
NOTE: There is no audio during SLOW playback.

To return to normal playback:
1. Press PLAY

Setting your Preferences

Activate the Setup menu screen by pressing the SETUP button the Remote. Use the DIRECTIONAL (< ^ > v) buttons to navigate within this menu to the desired subdirectory and press ENTER. The icon file tabs at the top of the screen indicate which menu page your are in. The menu pages are the General Setup Page, Audio Setup Page, Video Setup Page, Preference Page, and Password Setup Page.

General Setup Page

1. TV DISPLAY
Select between three TV display modes.
Normal/PS: When the player is connected to a normal TV, and a wide picture is shown on the full screen.
Normal/LB: When the player is connected to a normal TV, and a wide picture is shown at the top of the screen with a black strip at both the top and bottom of the screen.
Wide: When the player is connected to a wide screen TV, a wide picture is shown on the full screen.

2. ANGLE MARK
ON: The screen will show angle mark (if angle option is available).
OFF: The screen will not display the angle mark.

3. OSD LANG
Select the Language of the text on the On Screen Display.
English: Selects English as the language
(Chinese characters): Selects Chinese as the language.

4. CAPTIONS
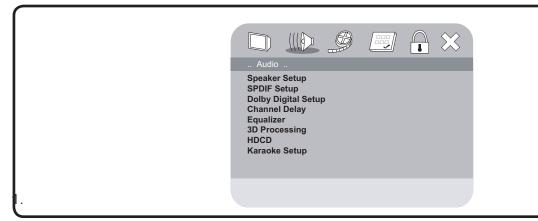In this menu you can choose between having Closed Captioning turned ON or OFF.

6. SCREEN SAVER
In this menu you can choose between having the Screen Saver turned ON or OFF. When in ON mode the Screen Saver will turn on after the GIG-MASTER has been idle for 10 minutes.

7. LAST MEMORY
When ON is chosen, the GIG-MASTER will retain the last position of playback in its memory. This feature is cancelled when the power is turned off. When OFF is chosen, the last position of playback will not be retained.

Audio Setup Page

```
                    ..  Audio  ..
                    Speaker Setup
                    SPDIF Setup
                    Dolby Digital Setup
                    Channel Delay
                    Equalizer
                    3D Processing
                    HDCD
                    Karaoke Setup
```

Speaker Setup

Allows you to customize all aspects of you surround sound speaker setup.

- **Downmix - If the disc has PRO LOGIC Dolby Stereo select LT/RT. For other stereo select STEREO and select V SURR for virtual surround sound, which allows users only using 2-speakers or headphones to take advantage of the surround channels in DTS and DD 5.1 tracks**
- **For the FRONT SPEAKER, CENTER SPEAKER, and REAR SPEAKER settings, choose LARGE if the corresponding speaker is normal size to large, SMALL if the corresponding speaker is small, and OFF if there is no corresponding speaker.**
- **Test Tone - Send a test tone to all speakers one by one. This is to ensure that all speakers are receiving the channel they should be.**
- **Dialog - Can be used to control the volume of the player when DOWNMIX control is in LT/RT or STEREO mode.**
- **Post DRC - Allows you to turn the Post Dynamic Range Control ON, OFF, or on AUTO mode. DRC controls the fluctuating volume levels that exist in most movies and in many music tracks.**

2. SPDIF SETUP (Sony/Philips Digital Interface)

- **SPDIF Output - Set the format of the overall SPDIF output. If you do not have your system connected to a surround sound system using the SPDIF socket this option should be set to "Off". If you have a 5.1 decoder, set this option to "SPDIF/RAW". If using audio CD signal, set this option to "SPDIF/PCM". If you set the SPDIF output to MANUAL you can set the SPDIF output separately for the CD, DOLBY DIGITAL, DTS, and MPEG outputs.**
- **PCM Channel - Select SPDIF L/R to choose the Front Left and Front Right channel for output, select SPDIF LS/RS to choose the Left Surround and Right Surround channel for output, and select SPDIF C/LFE to choose the center and subwoofer channel for output.**
- **LPCM OUT - Adjust the sampling rate for the analog audio output between 48KHz and 96KHz. Select 48K for digital audio devices with a maximum sampling rate of 48K and select 96K for audio playback with devices that support 96K sampling rate. LPCM 96K is optimized for progressive scan playback.**

3. DOLBY DIGITAL Setup
When set to "Stereo", the player will output the left and right audio channels independently. When set to "L-Mono", the player will output the left channel to both left and right, when set to "R-Mono" the player will output the right channel to both left and right, and when set to "Mix-Mono", the left and right channels will be mixed and output to both left and right

- **DUAL MONO** - Select **STEREO** for the player to output audio from both Left and Right Channels, **L-MONO** to output audio from the Left channel only, **R-MONO** to output audio from the Right channel only, and **MIX-MONO** to output the average audio signal from the Left and Right channels. **NOTE: Use this setting when playing Dolby AC-3 encoded 2-channel discs.**
- **DYNAMIC** - When Dynamic range is set to **FULL**, softer music will automatically increase and louder music will automatically decrease. When the slider is at the **OFF** position, the function will be disabled. **NOTE: This function is for use with Dolby Digital encoded discs.**

4. CHANNEL DELAY
Here you can set the DELAY time of the Front Left, Front Right, Center, Back Left, Back Right, speakers as well as the Subwoofer in 10 CM increments.

5. Equalizer
Here you can set the equalizer mode using preset EQ settings (none, rock, pop, life, etc.). You can also turn the BASS BOOST, SUPER BASS, and TREBLE BASS ON and OFF.
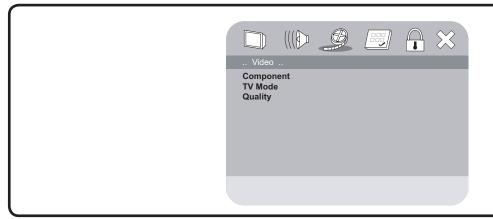
5. 3D PROCESSING
Here you can set the Reverb mode using the preset reverb settings (off, concert, living room, hall, etc.)

6. HDCD (High Definition Compatible Digital)
For use with an HDCD formatted audio disc. You can choose between two sampling frequencies of digital filter: 44.1k, 88.2k, or OFF. The higher the audio frequencies are, the clearer the audio quality will be. NOTE: Will only work with HDCD formatted discs.

Video Setup Page

```
 ..  Video  ..
Component
TV Mode
Quality
```

1. COMPONENT
Here you can select the video output that you will be using. Choose between YUV, RGB, VGA, or OFF.
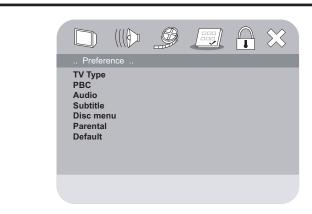
2. TV MODE
Here you can select between the scan modes INTERFACE and P-SCAN(progressive scan). Set the scan mode to the same as your TV. NOTE: Progressive scan is available in YUV mode only (see COMPONENT options).

3. QUALITY
Here you can set the levels for video SHARPNESS, BRIGHTNESS, CONTRAST, GAMMA, HUE, SATURATION, and LUMA DELAY.

Operations

Preference Page

1. TV TYPE
The GIG-MASTER supports different video outputs including MULTI (Auto), NTSC, and PAL systems. If your TV exclusively supports NTSC or PAL and you inadvertently select the wrong type, the TV screen will flicker and be black-and-white. If unsure about your TV's type, refer to the TV's instruction manual.

2. PBC
Here you can turn PBC (playback control) ON or OFF. PBC is controlled from the PBC button on the remote.

3. AUDIO
Here you can set your preferred audio language as the default when playing DVDs. NOTE: This only works for languages that are available on the actual DVD.

4. SUBTITLE
Here you can set your preferred subtitle language as the default when playing DVDs. NOTE: This only works for subtitle languages that are available on the actual DVD.

5. DISC MENU
Here you can set your preferred menu language as the default when playing DVDs. NOTE: This only works for menu languages that are available on the actual DVD.

6. PARENTAL
The parental control function works in conjunction with the different censorship classes assigned to DVDs. These classes help to control the types of DVDs that the family watches. There are up to 8 censorship classes for DVDs.

7. DEFAULT
Resets all of the GIG-MASTER's settings to the original manufacturer's settings. NOTE: Use this only when completely necessary as you will lose all of your personal settings.

Password Setup Page

1. PASSWORD MODE
Her you can turn the password mode ON or OFF. Password Mode is used to protect the Parental Control settings from being changed without supervision or permission.

2. PASSWORD
Here you can change the password from the original manufacturer's setting to your own password.

Troubleshooting

Problems	Solutions	
The power does not come on	make sure the power cord is plugged firmly into the back of the GIG-MASTER and into a live outlet.	Make sure the MAIN POWER switch on the rear panel is switched ON.
A Disc does not play. Playback stop almost immediately.	Is there condensation inside the DISC PLAYER?	Does the disc exceed the specified rating level? (Insert a disc within the correct data parameters)
The picture is bad.	Are the video connections firmly attached? (reconnect video connections to make sure)	Is the disc dirty? (ensure the disc is not dirty and clean it if necessary)
	Is the GIG-MASTER connected directly to the television selector switch, or a television with a built in video deck? (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 video equipment.) (The picture quality may be poorer when paused, when doing Frame Advance, or during fast forward or fast reverse. This is normal.)	Are you using the proper TV format (PAL or NTSC) that corresponds to your TV. (Check to see what format your TV is.)
	Is the DVD player connected correctly? (Check audio connections to external device.)	Are the audio connections firmly attached? Check audio connections to external devices.)
	Is the connected audio equipment turned on? Is the volume set correctly? (Note: There will be no audio playback during slow playback, Frame Advance, fast forward, or fast reverse.)	
There is no picture on the screen.	Are the video cables attached firmly to the proper outputs on the GIG-MASTER and inputs on the TV or Monitor? Is the TV set to receive signal from the proper input? (i.e. AV1, AV2, etc.)	
The remote control does not work, or does not work correctly.	-Are the remote control batteries installed correctly? (Check battery polarities.)	Is the remote control too far from the main unit? Is there something in the way? (Get within the recommended operating range, approx. 23 feet, of the remote control; remove obstacles.)
	Are the remote control batteries running low? (Put in new batteries.)	Is the GIG-MASTER in sunlight or strong fluorescent light? (Relocate the GIG-MASTER so that the line of sight is not hindered by such lighting.

Troubleshooting Cont...

Problems	Solutions	
There is a loud "squealing" noise coming from the speakers.	Is the mic or instrument volume too high? (Turn down the mic or instrument volume)	Is the treble turned too high? (Turn down the treble level)
There is no sound or a loud "popping" and "crackling" noise coming out of the mic or guitar signal.	Is the 1/4" or XLR cable defective? (Try using a different cable)	Is the cable not plugged in firmly to the mic/instrument input (on the GIG-MASTER or output (on the mic/instrument)? (Make sure the cables are plugged in firmly)
	Is the output on the guitar loose? (You may need to tighten the actual output on the guitar.)	
An MP3 or Photo-CD does not play in the GIG-MASTER.	The MP3/Photo-CD either has files that are not standard-formatted, or the disc was not standard-copied.	
No sound	Is the DVD player connected correctly? (Check audio connections to external device.)	Are the audio connections firmly attached? (Check audio connections to external devices.)
	Is the connected audio equipment turned on? Is the volume set correctly? (Note: There will be no audio playback during slow playback, Frame Advance, fast forward, or fast reverse.)	

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