

VocoPro

THE SINGER'S ULTIMATE CHOICE



GIG-STAR

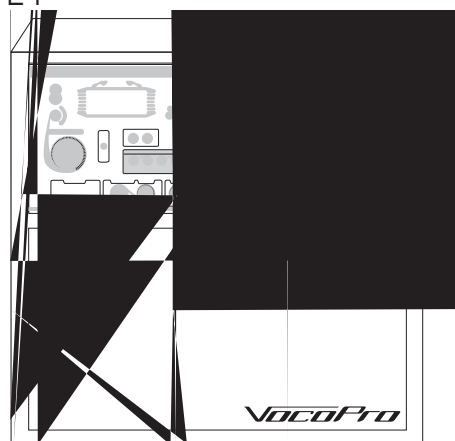
Professional Karaoke Entertainment System

owner's manual


GIG-STAR

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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:

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.

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 of residual power, leave unit disconnected from the AC outlet for at least fifteen seconds.

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



Features & Specifications

Features

- Efficient 4-speaker cabinet design pumps 100W total power (peak to peak)
- All-in-one system design, perfect for live gigs, portable use and DVD home entertainment
- Multi-Format player with Direct Track Access Supports DVD, VCD, CD+G, MP3, Photo-CD, CD, CD-R, CD-RW Formats
- AM/FM Tuner lets you sing along to your favorite popular hits
- 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, Repeat and Delay controls for vocal enhancement
- 14-step Digital Key Controller to transpose the key of built-in disc player audio
- Vocal Cancel and Partner modes for canceling vocals from multiplexed media
- 7-Band Equalizer for precise audio adjustments and room tuning
- External speaker jacks with internal/external speaker selector
- Remote control for easy operation
- Inputs/Outputs: 3 A/V(RCA)and 2A/V(RCA)/1 balanced audio (L/R XLR), YUV, COAXIAL, S-video
- 115V AC IN
- NTSC/PAL compatible

Specifications

Tuner parts:

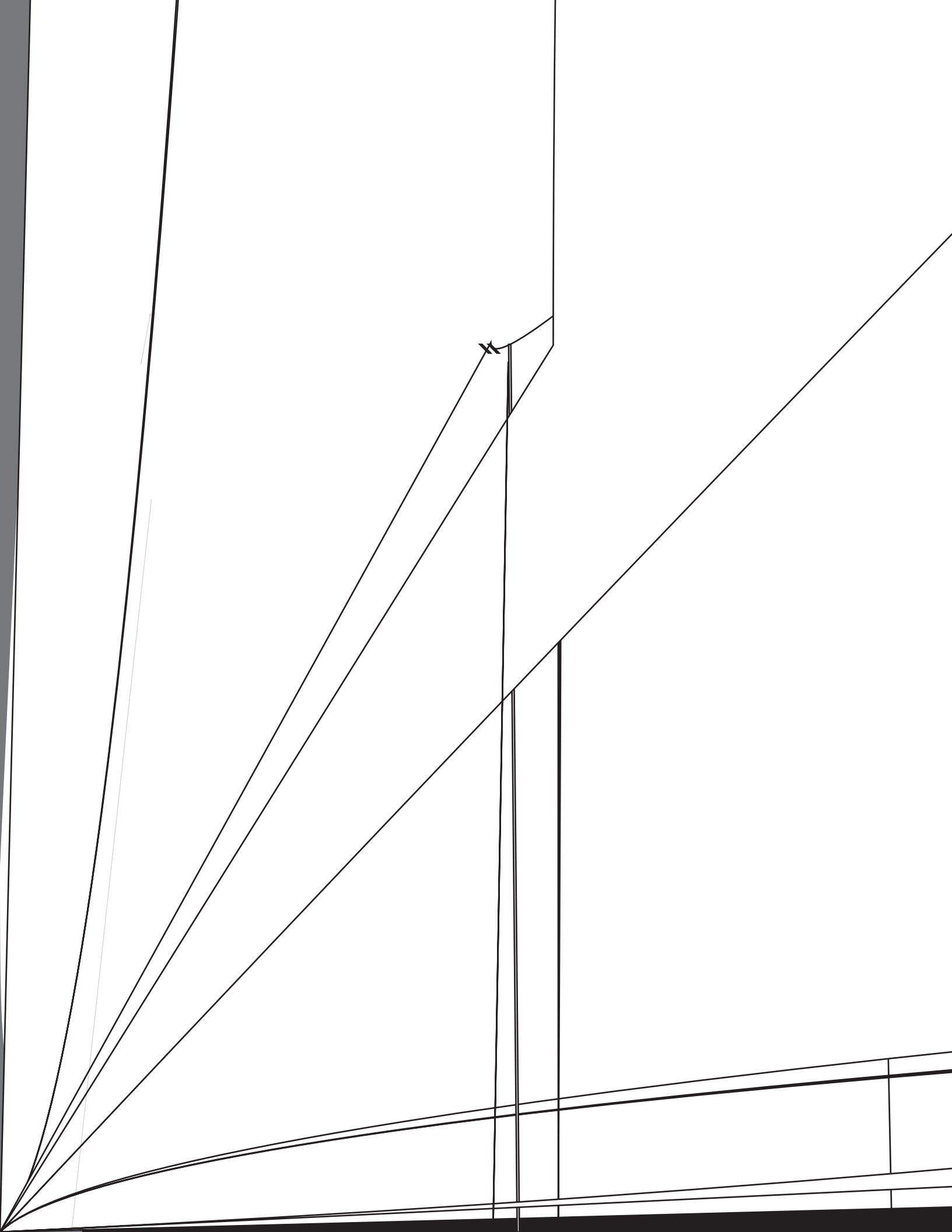
FM Technical Parameter:

- Frequency range 87.5MHz—108MHz
- Step frequency..... 50KHz
- Intermediate frequency 10.7MHz
- Operating temperature 23° to 158° f (-5° to 70° c)
- ANT input impedance 75Ω unbalanced
- 30dB S/N sensitivity..... 10dBu
- S/N ratio 48dB at 60dBu/75KHzdev input
- Distortion..... 3% at 60dBu
- Stereo separation 20dB
- Emphasis at 10KHz..... 0dB at 1KHz/ref -9.95dB/50uS
- Double signal selectivity 20dB
- Image rejection 50dB
- AM rejection..... 35dB
- I.F. rejection 50dB
- Spurious response ratio 50dB

AM Technical parameter

- Frequency range 530KHz—1710KHz
- Step frequency..... 10KHz
- Intermediate frequency 450KHz (upper heterodyne)
- Operating temperature 23° to 158° f (-5° to 70° c)
- Antenna loop antenna
- 26dB S/N sensitivity..... 67dBu/m
- S/N (PSOPHO A) 40dB at 80%mod
- Distortion..... 7% at 80%mod





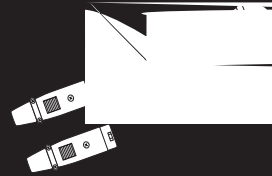
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Getting Connected

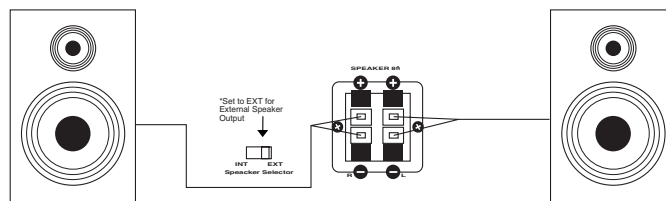
Speaker Connection

The GIG STAR 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:

1. Unlock the plastic fasteners on each speaker connector by pushing downward on them.
2. Strip approximately a 1/2" (1.27cm) of insulation from the speaker wire ends and twist the strands so that they can easily slide through the holes.
3. Once a wire is inserted, lock them in place with the fasteners by pushing upward on them.

NOTE: 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.



AM/FM Antenna Connection

Connecting the FM Antenna to the GIG STAR

The FM antenna looks like a thin wire with a gray plastic plug at one end. To connect the FM antenna to the GIG STAR, insert the gray plug into the FM antenna receptacle.

Connecting the AM Antenna to the GIG STAR

The AM antenna has a braided wire connected to a large oval shaped loop antenna. The opposite end has two exposed copper-colored wires.

To connect this antenna:

1. Press down the tabs on the AM antenna receptacle on the back of the GIG STAR.
2. Insert the copper-colored wires into each side of the receptacle.
3. Release the tabs to secure the wires in place.

Note: Please ensure that the wire ends to be inserted into the AM Antenna receptacle are stripped of insulation at least a 1/2 inch.



Operations

Preparing a Disc for Playback

Turn the power on by pressing the POWER button on the front panel. Press the OPEN/CLOSE button to open the disc tray. Insert a disc into the round recess in the tray with the label side up.

Playing a Disc

Press the PLAY/PAUSE 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 playback of the disc.

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 STAR's front panel and remote control allows you to select through 3 audio playback modes: LEFT CHANNEL ONLY, RIGHT CHANNEL ONLY AND BOTH (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.

Note: The MUTE feature does not mute audio when connected via the Digital Coaxial Output.



Operations cont.

Displaying the 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 through Track Time remaining, Track time elapsed, Chapter Time Remaining and Chapter Time Elapsed.

Programming a Playback Sequence

- Use the arrow buttons on the remote to navigate through the PROGRAM menu.
 - Use the number buttons (0-10, +10) on the remote or front panel to enter the track numbers.
1. Press the PROGRAM button on the remote to enter PROGRAM mode. The PROGRAM menu will appear on the TV screen.
 2. Using the number buttons (0-10, +10), enter the desired track numbers into your desired track position.
 3. Select PLAY in the menu and press ENTER to begin playing the disc in the programmed order.

For example:

- To play track 6 first, highlight position 1 in the PROGRAM menu and enter 6.
- To play track 8 second, highlight position 2 in the PROGRAM menu and enter 8.

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.



AM/FM Tuner Operations

See the **AM/FM Tuner Controls and Functions** section of this manual for locating the buttons.

Turning on the Radio

1. Make sure that the GIG STAR's power is on.
2. Either use the TUNER button on the remote or the INPUT SELECT button on the front panel to turn on the radio. Make sure the LED light next to TUNER is lit. This means the radio is on.

NOTE: When the radio is on, the GIG STAR is unable to play CDs.

Switching Between AM/FM

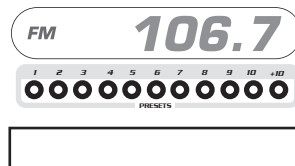
Use the AM/FM button to switch between the AM and FM frequencies.

Selecting Radio Stations

Before choosing a station, be sure that the proper frequency (AM or FM) is selected. Use the SEARCH arrows (< and >) to search through radio stations. The back arrow or < (also the B-SCAN) button, searches backwards and the forward arrow or > (also the F-SCAN) button searches forwards.

Example:

If you want to listen to 106.7 FM, you would press the AM/FM button until FM shows on the Graphic Display Panel. Then you would press the search button until 106.7 was shown on the Graphic Display Panel.



Using the Auto Search Function

The Auto Search function rapidly scans through all radio stations and stops whenever there is a station with a strong and clear signal. To begin auto search, simply press the AUTO button on the GIG STAR or on the remote.



AM/FM Tuner Operations cont.

Setting Preset Stations

With the GIG STAR you can store up to 20 stations, in each band (AM and FM), as presets for instant access using the DIRECT TRACK ACCESS number keys.

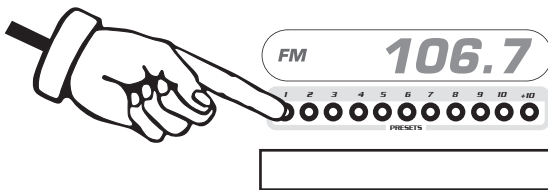
To set a preset for a station

Hold down the desired number key for 3 seconds while the radio is set to that station.

Example:

To set 106.7 FM as preset 1:

1. Set the radio to 106.7
2. Press and hold the "1" button for 3 seconds.
3. When the station has been programmed successfully, the display screen will show a "1" next to the station number.



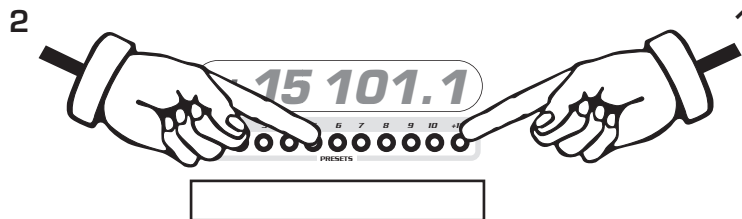
To preset a station higher than 10

1. While on the desired station, first press the +10 button.
2. Press and hold down the desired number button.

Example:

To set 101.1 as preset 15:

1. Set the radio to 101.1,
2. Press the +10 button and then press and hold the 5 button for three seconds.
3. When the station has been programmed successfully, the display screen will show a "15" next to the station number.



Manually Searching Through Preset Stations

Use the PRESET arrows (< PRESET >) to search through your preset stations. The back arrow or < (also the PREV) button, searches backward and the forward arrow or > (also the NEXT) button searches forward.

Selecting Between Stereo and Mono Modes

Use the ST/MO button to switch between Stereo and Mono radio modes. If the station you are listening to is weak or not that clear, it is best to use MONO mode as that could improve the clearness of the station.



MP3 Functions and Operations

The GIG STAR 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 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 STAR.
- 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 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 be 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 Functions and Operations cont.

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 STAR. You can perform Karaoke with Mp3, CD+G and VCD formats. The thing to remember is how each type differs as far as audio channels and video support.

CD+G

CD+G 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 onscreen. In addition, many CD+G's 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 CD+G), VCD's tend to have motion video behind the lyrics instead of a monotone screen, making them a bit more attractive to party atmospheres. Most VCD's 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 Key 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 six steps up or down from the original key.

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



Viewing CDs

Viewing VCD's

There are two types of VCD's:

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 VCD's 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 VCD's

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 ◀▶ buttons on the remote control or front panel. Each time you press the ◀ or ▶ button, the search speed increases
2. To fast forward a disc press ▶▶.
3. To fast reverse a disc press ◀◀.
4. To return to normal playback, press the PLAY button

Scene/Track Selection

To SKIP to the next chapter or track:

1. Press ► 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 ◀◀ 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 remote 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

Viewing CDs cont.

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

Viewing a Photo-CD

1. Insert a PHOTO-CD into the disc tray and the photo file menu will appear on the TV screen.
2. Use the arrow buttons on the remote to navigate through the different image files.
3. Press ENTER to view the full sized image.

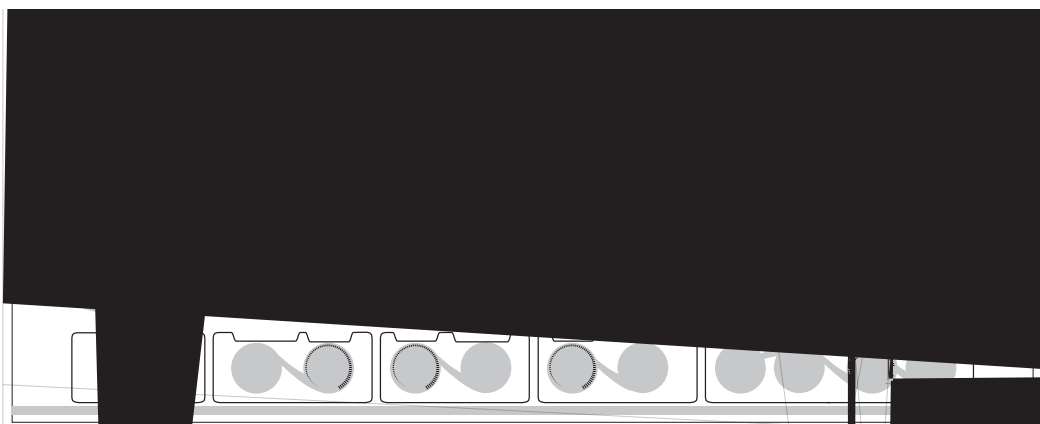
Rotating Images

Images can be on the screen while the full sized image is on the screen using the arrow buttons.

- UP arrow button - Toggles between upside-down and right-side up.
- DOWN button - Flips the image between left perspective and right perspective.
- LEFT and RIGHT buttons - Rotates the image left and right.

Front Panel Descriptions

1 2 3 4 5 6 7 8 9 10 11



1. POWER button - This button is used to turn the GIG STAR 'ON' or place it in STANDBY mode.

NOTE: When in STANDBY mode, the GIG STAR is not completely powered down and it still contains residual power.

2. INPUT button - This button toggles through all of the INPUT channels (DISC, TUNER, AV1, AV2) for available INPUT SOURCES.

3. 7-BAND GRAPHIC EQUALIZER - 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 midrange 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 presence.

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

5. DIRECT TRACK ACCESS buttons - 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.

6. 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.

7. BASS control - This control increases/decreases the amount of LOW frequency response applied to the Microphone output.

8. TREBLE control - This control increases/decreases the amount of HIGH frequency response applied to the Microphone output.

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

10. REPEAT control - 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.

11. DELAY control - 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.

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

13. PLAY button - This button is used to initiate disc PLAYBACK.

14. PAUSE button - This button is used to PAUSE disc PLAYBACK.

15. PREV / NEXT buttons - These buttons are used to either go back to a PREVIOUS track or advance to the NEXT track on a disc during playback.

16. B-SCAN / F-SCAN buttons - These buttons are used to SCAN either BACKWARD or FORWARD through tracks on a disc during playback.

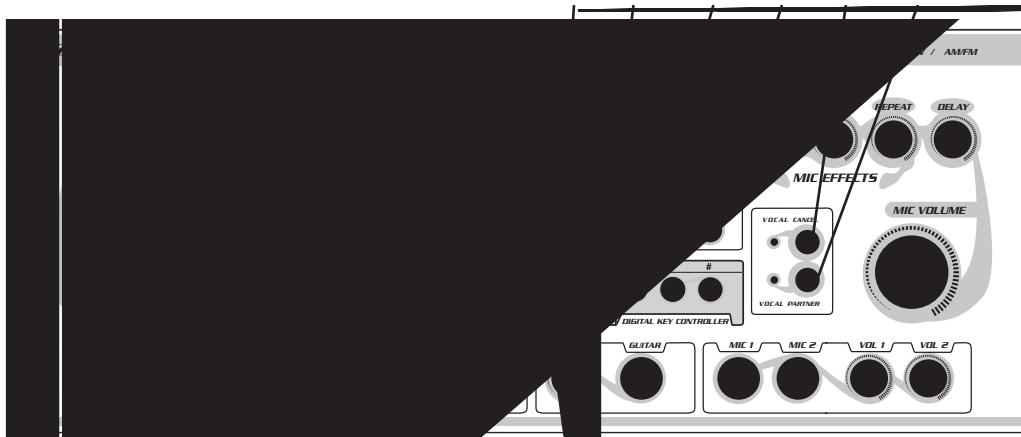
NOTE: Using the B-SCAN and F-SCAN buttons during the playback of a CD+G disc while performing Karaoke is not recommended, as it will cause the onscreen lyrics to scramble.

17. MUTE button - Silences any audio that is playing while not affecting video playback.

NOTE: The MUTE function does not work when using the Digital Coaxial output.



Front Panel Descriptions cont.



18. AUDIO button - This button will cycle between three AUDIO PLAYBACK MODES: STEREO, LEFT/LEFT and RIGHT/ 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.

19. REPEAT button - Press once to access the REPEAT selection window, press twice to select TRACK REPEAT (REPONE) mode and press a third time to select DISC REPEAT (REP-ALL) mode.

20. DISC tray - This tray is used for inserting and removing discs. The DISC TRAY is operated with the EJECT button.

21. EJECT button - Opens and closes the disc tray. NOTE: The GIG STAR input must be set to DISC mode. The OPEN/CLOSE button will not open the disc tray if the input is set to AV1, AV2 or TUNER.

22. VOCAL CANCEL button - 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.

23. VOCAL PARTNER button - This feature acts very similar to the vocal cancel feature, but with an additional voice activation feature that acts like a vocal "auto-pilot". When you enable the VOCAL PARTNER feature, the lead vocal layer will be removed as long as 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 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 with multiplex discs only.

24. MIC VOLUME control - This control is the Master MIC VOLUME level for all microphone output. Turn clockwise to increase and counter-clockwise to decrease.

25. AV2 INPUT jacks (RCA) - These jacks are for connecting AUDIO/VIDEO OUTPUT from an external AV SOURCE. Connect an RCA-style AV cable (R, W, Y) from these jacks to the AV OUTPUT jacks on your external AV device.



Rear Panel Descriptions



1. **FM** Antenna Input - Connect the FM antenna here.
2. **AM** Antenna Input - Connect the AM antenna here.
3. **COAXIAL** (Digital) Output - This digital output is for connecting to devices with a digital coaxial input.
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, V/Pr 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. R/B/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.
5. **S-VIDEO** Output - This jack outputs to a display device (TV, TFT, etc.) using 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. **FUSE** terminal - This terminal houses the GIG STAR's main system FUSE. NOTE: If fuse replacement is necessary, only replace with the same type and rating of fuse.
7. **POWER** switch - This switch turns the GIG STAR's MAIN POWER ON/OFF.
8. **BALANCED AUDIO OUTPUT** jacks - These XLR jacks are for connecting MASTER output to an external device with balanced cables.
9. **BALANCED MIC 1-2 INPUT (XLR)** - These jacks are for connecting microphones via BALANCED XLR-type microphone cables.
NOTE: Both the XLR and 1/4" MIC jacks cannot be used simultaneously for any given mic channel.
10. **AV 1 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.
11. **INTERNAL/EXTERNAL SPEAKER** selector - This selector toggles the GIG STAR'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.
12. **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-ohm rated speaker to each speaker connector.
13. **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.
14. **AC-IN terminal** - Connect AC MAIN POWER CORD from the wall outlet to this terminal.
15. **VIDEO OUT 1-2** jacks (RCA) - These jacks are for connecting the GIG STAR's VIDEO OUTPUT to TV or DISPLAY devices. Connect RCA-type patch cables from these jacks to the VIDEO INPUT jacks on the TV or display devices.
16. **AUDIO OUT 1-2** jacks (RCA) - These jacks are for connecting the GIG STAR's AUDIO OUTPUT to amplifiers, recording or mixing devices. Connect paired RCA-type patch cables from these jacks to appropriate INPUT jacks on external audio devices.

Remote Control Descriptions

1. OPEN/CLOSE - Opens and closes the disc tray. NOTE: The GIG STAR input must be set to DISC mode. The OPEN/CLOSE button will not open the disc tray if the input is set to AV1, AV2 or TUNER.

2. POWER - Turns the GIG STAR's power on and off.

3. INPUT SELECT buttons - Select the active input source using these buttons.

- DISC to use the disc tray for playing DVD, CD+G, CD, etc.
- TUNER to use the AM/FM radio.
- AV1 to use an additional player (CD/DVD player, Mp3 player, etc.) that is connected to the AV1 input on the rear panel.
- AV2 to use an additional player (CD/DVD player, Mp3 player, etc.) that is connected to the AV2 input on the rear panel.

4. NUMBER pad - The number pad is used for direct track accessing of disc tracks, accessing preset radio stations, jumping to specific chapters on a DVD, and programming custom track order.

5. PROGRAM - Enters PROGRAM mode where you can program a customized playlist from a disc.

6. SETUP - Enters the on-screen preference setup menu. Use the arrow keys on the remote control to navigate through this menu and the ENTER button to make selections in the menu.

NOTE: To see the setup menu the GIG STAR must be connected to a TV/monitor.

7. TITLE - Returns to the title menu of DVDs and VCDs.

8. ARROW buttons - Use the arrow buttons to navigate through a DVD menu and the preference setup menu.

9. ENTER - Use the ENTER button to makes selections in a DVD menu and the preference setup menu.

10. MENU - Accesses the DVD menu on a DVD.

11. RETURN - Returns to the previous Menu on a VCD.

12. PAUSE - Pauses a disc that is playing. Press once to pause the disc and press again to resume playback.

13. STOP - Stops a disc that is playing.

14. PREVIOUS and **15. NEXT** - Skip ahead to the next track or back to a previous track. PREV skips back to the previous track or chapter and NEXT skips ahead to the next track or chapter.

16. ANGLE - For use only with multi-angle coded discs, allows you to view the picture from multiple angles.

17. SUBTITLE - Switches between the available subtitle languages on a DVD with multiple subtitle languages.

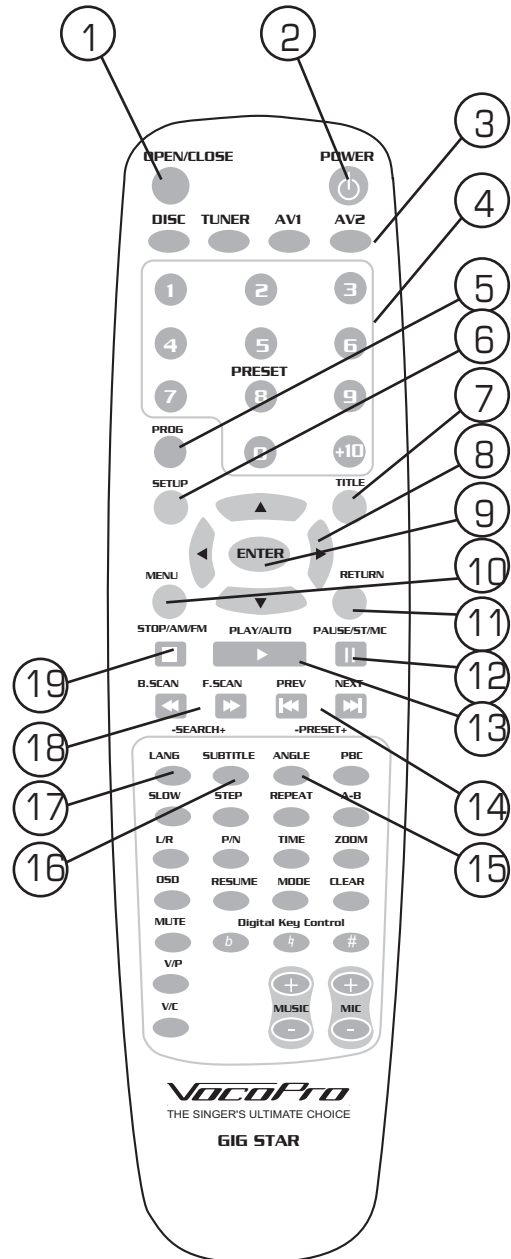
NOTE: Not all DVDs have multiple subtitle languages available.

18. LANGUAGE - Switch between the available languages on a DVD that contains multiple languages.

19. B. SCAN (rewind) and **F. SCAN** (fast-forward) - Scan forwards and backwards through a track or movie.

20. PLAY - Begins playing a disc.

NOTE: DISC must be the active input to play a disc in the disc tray.



Remote Control Descriptions cont.

20. 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.

21. REPEAT - Cycle between the different repeat modes. (See page 6)

22. A-B button - Allows you to loop a certain section of a disc, causing it to repeat continuously. (See page 6)

23. TIME - Press this button to view the current disc or track position or to manually input a time to start playback from.

24. ZOOM - Zooms into the picture on a CD+G disc, PHOTO-CD and DVD movie.

25. MODE - Cycles between the 4 video output modes: S-VIDEO, INTERLACE RGB, TV-RGB, and P-SCAN YPBPR.

26. CLEAR - Clears any text input when inputting numbers.

27. DIGITAL KEY CONTROL - These buttons direct the DIGITAL KEY CONTROLLER

- Raises the musical key a half step each time it is pressed.

b - Resets the musical key to its original key.

b - Lowers the musical key a half-step each time it is pressed.

28. MICROPHONE VOLUME - Adjusts the master microphone volume. (+) raises the mic volume and (-) lowers the mic volume.

29. MUSIC VOLUME - Adjusts the master music volume (DISC, TUNER, AV1, AV2). (+) raises the music volume and (-) lowers the music volume.

30. V/C (Vocal Cancel) - Turns on Vocal Cancel mode. In Vocal Cancel mode, the vocal track on a Multiplex formatted disc is silenced.

NOTE: For use on Multiplex formatted discs only.

31. V/P (Vocal Partner) - Turns on Vocal Partner mode. In Vocal Partner mode, the vocal track on a Multiplex formatted disc is silenced as soon as the singer begins to sing into the microphone and the vocals come back when the singer stops singing.

NOTE: For use on Multiplex formatted discs only.

32. MUTE - Silences any audio that is playing while not affecting video playback.

NOTE: The MUTE function does not work when using the Digital Coaxial output.

33. RESUME - Resumes playback at the exact spot where a disc was stopped.

NOTE: The RESUME function is not supported by all disc formats.

34. OSD - Press this button to display the disc playback status on the video display.

35. P/N (PAL/NTSC) - Press to toggle between PAL and NTSC video settings. Select NTSC for North American based video systems and PAL for European based video systems.

36. L/R (left/right) - Switch between 3 audio output modes. NOTE: This function can only be used on Multiplex formatted CD+G discs.

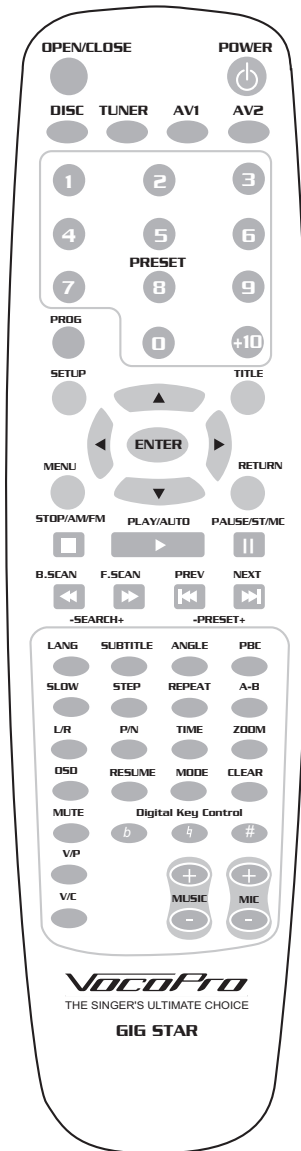
LEFT-MONO: Left channel only (no vocals)

RIGHT-MONO: Right channel only (no music)

STEREO - Left and Right true stereo

37. SLOW - Cycles through the 7 available playback speeds: 1/2 speed, 1/3 speed, 1/4 speed, 1/5 speed, 1/6 speed, 1/7 speed, 1/8 speed and normal. Press the PLAY button to cancel slow-motion playback.

38. STEP - Press this button to enter STEP mode playback. In STEP mode, playback is paused and the track/scene advances one frame each time STEP is pressed. To exit STEP mode, hit the PLAY button.





AM/FM Tuner Descriptions



The AM/FM Tuner can be controlled either on the front panel or via the remote control.

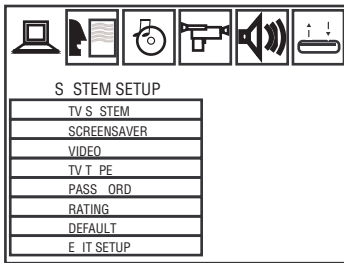
- 1. INPUT SELECTOR** - Use this button to turn on the radio. This button toggles through all the INPUT channels (DISC, TUNER, AV1, AV2) for available INPUT SOURCES. Press the button until the TUNER light is on.
- 2. Preset Buttons** - Use these buttons to program and select the radio preset stations. To program a station, hold down a number button for 3 seconds while on the desired station. The screen will display the number once it has been programmed. To jump to a preset station, simply press that number button.
- 3. AM/FM button** - Use this button to toggle between AM and FM radio modes.
- 4. AUTO button** - The AUTO search button automatically scans through all stations and stops when a station's signal is strong and clear.
- 5. < PRESET > buttons** - Use these buttons to search through the stations that you have programmed as presets. Use the < button to search backwards and the > button to search forwards.
- 6. < SEARCH > buttons** - Use these buttons to manually search through all radio stations. The tuner must be set to FM mode to search through FM radio stations and it must be set to AM mode to search through AM radio stations. Hold the preset buttons down to activate rapid scan.
- 7. ST/MO button** - Select between Stereo (ST) and MONO (MO) audio output modes. If your desired station is receiving poor reception, try setting this to MO.



Setting the Preferences

SYSTEM SETUP MENU

To access your preferences settings, use the SETUP button on your remote. Use the DIRECTION keys to navigate within this menu for the specific subdirectory desired and press ENTER. The icon file tabs at the top of the screen indicate which menu is highlighted.



SYSTEM SETUP SCREEN

1. TV SYSTEM

Use this menu to set your system preferences for regional TV system types NTSC, PAL60, PAL, or AUTO to have your GIG STAR automatically find any compatible TV system.

2. SCREEN SAVER

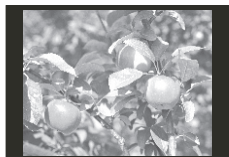
The DVD screen saver can be toggled ON/OFF to suit your preference for display during extended periods of player inactivity when power remains on. Use DIRECTION keys to make your selection.

3. VIDEO

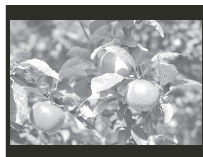
Refer to your TV manual to determine which type of video it supports. You can choose between INTERLACE-YUV, TV-RGB, P-SCAN YPBPR or S-VIDEO.

4. TV TYPE

This menu actually refers to TV display mode. Choose between 4:3PS for Panoramic Screen, 4:3LB for Letterbox, or 16:9 based on your viewing preference.



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

NORMAL/PS

NORMAL/LB

Widescreen TV set

WIDE

5. PASSWORD

The password to lock or unlock RATING setting is 0000. If you are a parent and want to limit the types of DVDs viewed with the GIG STAR, type this password using the NUMBER keys on the remote, and press ENTER. You will see the padlock icon either open or close, affecting the ability of the user to make a selection in the RATING section.

6. RATING

Choose between NO ADULT, KID SAFE, or VIEW ALL to designate which types of DVDs you want users to be able to access playback for.

7. DEFAULT

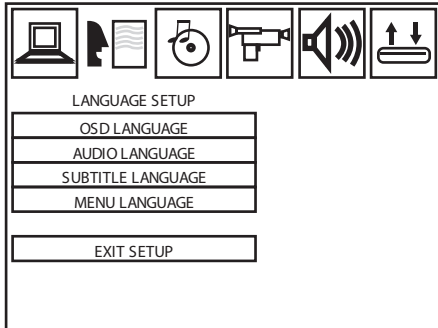
Select this mode if you choose to return to all system preferences DEFAULT settings.



Setting the Preferences cont.

LANGUAGE SETUP

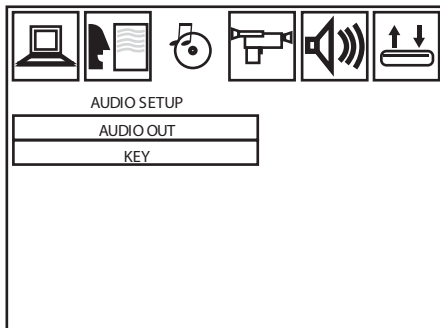
Use this menu to set language preferences for each of these functions. Use the DIRECTION keys to make a selection and press ENTER to confirm your choice.



LANGUAGE SETUP SCREEN

- 1. OSD** (On Screen Display) LANGUAGE for remote functions, etc. Choose between English or Chinese.
- 2. AUDIO LANGUAGE.** This feature is dependent on the options included with each individual disc. Choose from the list provided.
- 3. SUBTITLE LANGUAGE.** This feature is dependent on the option included with each individual disc. Choose from the list provided.
- 4. MENU LANGUAGE.** This feature is dependent on the options included with each individual disc. Choose from the list provided.

AUDIO SETUP



AUDIO SETUP SCREEN

1. AUDIO OUT

With the GIG STAR, you can output standard analog audio simultaneous with digital output by using the RCA L/R outputs and Coaxial output. When connecting the GIG STAR to an external sound system with digital inputs, choose between a) SPDIF/OFF to completely bypass digital audio, SPDIF/RAW for Dolby 5.1 or SPDIF/PCM for digital, high fidelity stereo (2-channel) output depending on your external audio components and connections.

2. KEY CONTROL

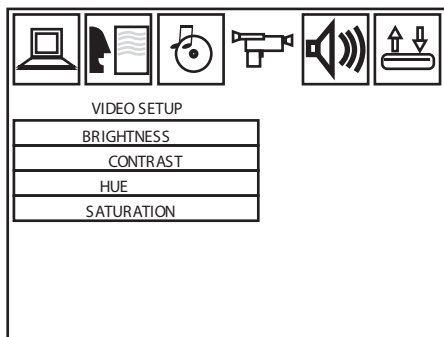
This feature functions exactly the same as the KEY CONTROL buttons on the remote control, but with a virtual vertical "fader" instead of a left-right display. Use the DIRECTION keys to locate the fader bar, raise (#/sharp) or lower (b/flat) the output of the disc in half-step increments.



Setting the Preferences cont.

VIDEO SETUP

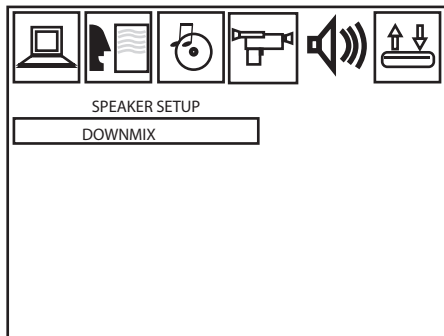
Use the DIRECTION keys to locate the virtual fader and raise/lower the fader bar for each of the following video preference settings:



VIDEO SETUP

1. **BRIGHTNESS**
2. **CONTRAST**
3. **HUE**
4. **SATURATION**

SPEAKER SETUP



SPEAKER SETUP

1. **DOWNMIX**

LT / RT: When connecting to a Dolby Digital amplifier.

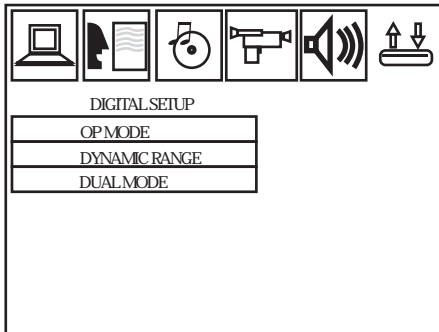
STEREO: When connecting to a stereo TV or amplifier and using a disc that supports 2-channel output.

VSS: When using a disc that has been formatted with Virtual Surround Sound.



Setting the Preferences cont.

DIGITAL SETUP



DIGITAL SETUP

1. OP MODE

LINE OUT: Compresses the input signal and lowers the volume for use in quieter settings, for example at night time.
RF REMOD: Increases the volume for regular usage.

2. DYNAMIC RANGE

When the OP MODE is set to LINE OUT, use this to select the ratio of signal compression. Select FULL for the lowest maximum signal and OFF for the highest maximum signal.

3. DUAL MONO

STEREO: Plays the disc audio in stereo mode.

MONO L: Only plays the left audio channel. NOTE: For use only on Multiplex CD+G discs.

MONO R: Only plays the right audio channel. NOTE: For use only on Multiplex CD+G discs.

MIX MONO: Plays the left and right audio channels out of both sides.



Troubleshooting

No audio output.	The input selector is not set to the channel that the active source player is connected to.	Check the source player input channel and ensure the input selector is set to that channel.
	The speaker selector is not set correctly.	If external speakers are connected, set the speaker selector to EXT. If no external speakers are connected, select INT.
	Faulty connection within external components or external component failure.	Check overall cabling and viability of external equipment.
	The power cord to the GIG STAR is not plugged in.	Plug the power cord from the GIG STAR to a wall outlet.
Unable to connect the GIG STAR to my television monitor with the RCA cable provided	Your TV does not have RCA style A/V input jacks.	Use an external RF Modulator.
There is a loud "squealing" noise coming from the speakers.	An open microphone or guitar is too close to the output speakers.	Increase space between microphone and speakers.
	Microphone or guitar volume is too high.	Turn down microphone or guitar volume.
	Excessive treble is applied.	Lower the treble levels.
An MP3 or Photo-CD does not play in the GIG STAR.	The MP3/Photo-CD either has files that are not standard-formatted, or the disc was not standard-copied.	Try other MP3/JPEG encoding software or disc writing software for writing the discs.
The radio is not getting any signal or the sound is very unclear.	The antennas are not plugged in or they are positioned in a way that blocks the radio frequency.	Plug the AM and FM antennas in and position them in an open area with little to no physical obstacles.

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