

VOCOPro

DIGITAL KEY CONTROL CD + GRAPHICS, DUAL CASSETTE, AM/FM SUB-WOOFER, KARAOKE SYSTEM

MODEL: **TRIO** (VP-939)



OWNER'S MANUAL



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Before operating this unit,
please read this Owners Manual carefully

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WE WANT YOU LISTENING FOR A LIFETIME

Dear Customer:

Selecting fine audio equipment such as the unit you just bought is only the start of your musical enjoyment. Now it's time to consider how to maximize the fun and excitement your equipment offers. This manufacturer 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 higher volumes 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 lower case 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.

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

Used correctly, 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.

Decibel

level	Example
30	Quiet library, soft whispers.
40	Living room, refrigerator, bedroom away from traffic.
50	Light traffic, normal conversation, quiet office.
60	Air conditioner at 20 feet, sewing machine.
70	Vacuum cleaner, hair dryer, noisy restaurant.
80	Average city traffic, garbage disposals, alarm clock at two feet.

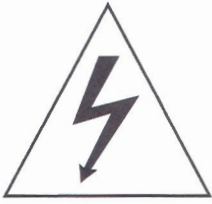
* The following noises can be dangerous under constant exposure

90	Subway, motorcycle, truck traffic, lawn mower
100	Garbage truck, chain saw, pneumatics drill
120	Rock band concert in front of speakers, thunderclap
140	Gunshot blast, jet plane
180	Rocket launching pad

Information courtesy of the Deafness Research Foundation.

IMPORTANT SAFEGUARDS

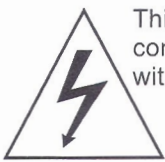
WARNING: TO PREVENT FIRE OR SHOCK HAZARD. DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION: TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVING TO QUALIFIED SERVICE PERSONNEL



This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.



This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

IMPORTANT SAFEGUARDS

- 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. Ventilation** - The appliance should be situated so that it's location or position does not interfere with it's proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or placed in an enclosed area that may block the ventilation openings and impede the flow of air through the ventilation openings.
- 6. Servicing** - The user should not attempt to service the appliance beyond that described in the operation instructions. All other servicing should be referred to qualified service personnel.
- 7. Cleaning** - The appliance should be cleaned only as recommended by the manufacturer.
- 8. Water And Moisture** - The appliance should not be used near water, for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement or near a swimming pool and the like.
- 9. Non-Use Periods** - The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
- 10. Object And Liquid Entry** - Care should be taken so that objects do not fall and liquids are not spilled into enclosure through openings.

SAFETY INSTRUCTIONS

Installation

- * Operate only from a power source as indicated on the unit or in the operating instructions.
- * Overloaded AC outlets and extension cords are dangerous and so are frayed cords and broken plugs. Call your service technician for replacement of such cords and plugs.
- * Do not allow anything to rest on, roll over, or pinch the power cord, and do not place the power cord where it is subject to traffic or abuse. This may result in a shock or fire hazard.
- * Audio products are provided with ventilation openings to allow heat generated during operation to be released. If these openings are blocked, heat build-up within the set can cause failure which may result in a fire hazard.

THEREFORE

1. Never block the ventilation openings of a unit by placing it on a bed. Soft rug, etc.
2. Never place a set in a built-in enclosure unless proper ventilation is provided.
3. Never cover the opening with cloth or other material.
4. The unit should not be installed near or over radiators, heat registers, or other sources of heat.

TO AVOID PERSONAL INJURY:

1. The manufacturer recommends that this unit not be mounted on a wall or ceiling.
2. Carefully follow the operation instructions when making connections.

WARNING

- * Do not turn on your stereo system with the volume at maximum. This will damage your speakers and may void your warranty.
- * Do not insert tools, hands or figures in openings (such as a tape slot), especially if the unit is connected to a power source.

Getting Your System Ready For Use

Choose an area away from heat. Allow about three inches between the cabinet back and the wall for proper ventilation. Place your KARAOKE system near an AC outlet supplying common household current (105-120V AC 60Hz).
Do not plug in at this time

Grounding or Polarization

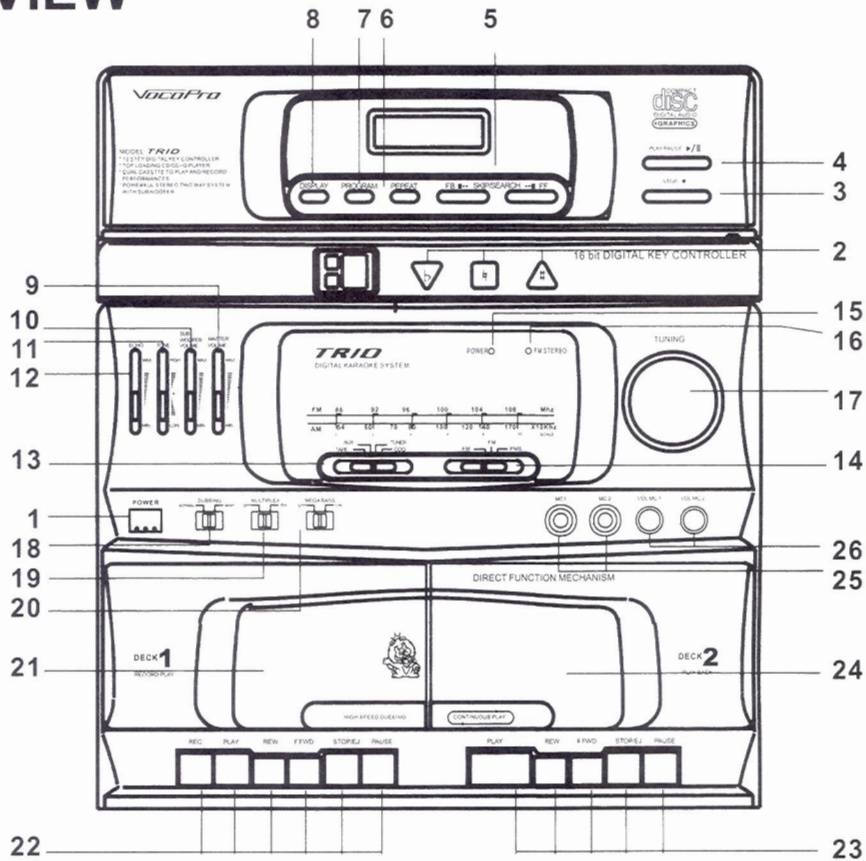
Your KARAOKE system is equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

Damage Requiring Service

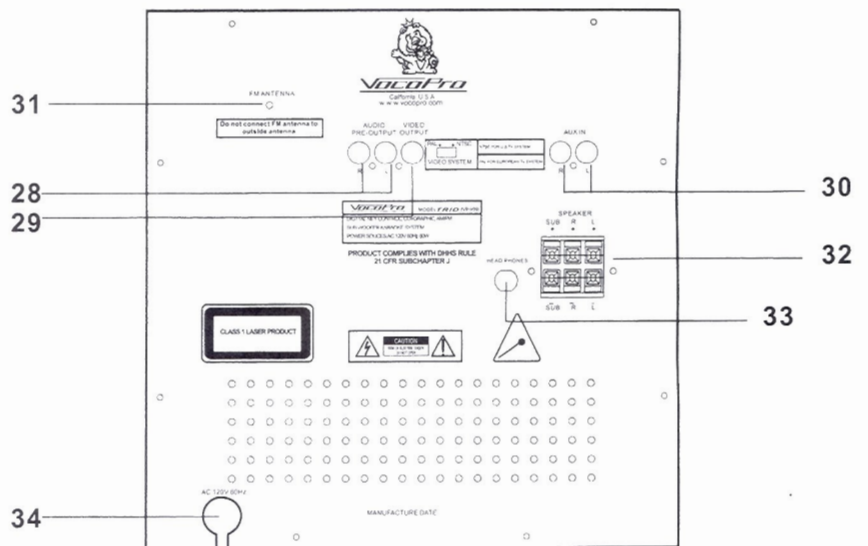
The appliance should be serviced by qualified service personnel when:

- A. The power supply cord or the plug has been damaged; or
- B. Objects have fallen, or liquid has been spilled 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.

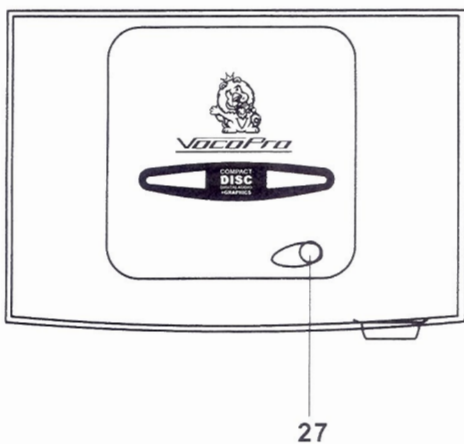
FRONT VIEW



REAR VIEW



TOP VIEW



CONTROLS AND FUNCTIONS

1. **POWER** - Press to turn the system on. Press again and release to turn off.
2. **DIGITAL KEY CONTROL** - Raises or lowers the key of the music in half - step increments without changing the tempo. Operate by pushing the desired up or down indicator button while disk is playing, until the desired key is achieved.
NOTE: Key Controller is inoperable when AM/FM tuner is on.
3. **STOP** - To stop playing the CD, press STOP once, the LCD will display total number of tracks and playing time of the CD.
4. **PLAY/PAUSE** - Press and release to start a CD playing from track number 1. The LCD track indicator will display "1" and the elapsed time indicating that track number 1 is playing. Press this key to temporarily stop during play.
5. **SKIP** - To advance the CD to the beginning of the next track, press and release this key. Continue holding this key, to fast forward, the next songtrack.
SKIP - To reverse the CD to the beginning of the last track, release this key, the player will skip back to the beginning of the last track.
SEARCH - To fast forward the CD while playing, press and hold this key. Sound can be heard at a reduced level in this mode.
SEARCH - To quickly review the CD in the reverse direction press and hold this key. Sound can be heard at a reduced level in this mode.
6. **REPEAT** - Press REPEAT once, the word "REPEAT ONE" will appear on the CD display. The CD player will repeat the track currently playing until the STOP key is pressed. Press REPEAT twice the word "REPEAT ALL" will light on the display. The CD player will repeat playing the disc continuously until the STOP key is pressed.
7. **PROGRAM** - Use this key to program the CD player to play back songs in a preselected order. Programming should be done in the stop mode. Press program key at the STOP mode, then press SKIP forward or SKIP backward key to select desired track and push PROGRAM key again to confirm programming. Repeat the same steps for as many tracks as you wish to program up to a total of 20 tracks.
8. **DISPLAY** - Press DISPLAY to display the playing track and elapsed time, or remaining tracks and time while disc is playing.
9. **MASTER VOLUME** - To adjust the system volume.
10. **SUB VOLUME** - To adjust the subwoofer volume.
11. **TONE** - Adjust for the desired bass and treble tone level.
12. **DIGITAL ECHO** - Adjust the control for desired digital echo level.
13. **FUNCTION** - To select the desired audio input mode.
14. **BAND SWITCH** - To select the band AM/FM mode for radio.
15. **POWER LED** - Power indicator for power.
16. **STEREO LED** - Stereo indicator for FM.
17. **TUNING** - To select the frequency for radio station.
18. **DUBBING** - To select dubbing speed.
19. **MULTIPLEX** - To cancel vocal on multiplex KARAOKE CD or TAPE.
20. **MEGA BASS** - To select bass mode. (on position adds more bass.)
21. **CASSETTE DECK 1.**
22. **KEYS OF DECK 1**
 - * RECORD - For recording. (when both recording and play is pressed.)
 - * PLAY - Press to start playing.
 - * REWIND - Press to rewind tape.
 - * FAST FORWARD - Press to rapidly advance tape.
 - * STOP/EJECT - Press to stop tape, pressed again to eject.
 - * PAUSE - Press to temporarily stop in PLAY or RECORD mode.
23. **KEYS OF DECK 2**
 - * PLAY - Press to start playing.
 - * REWIND - Press to rewind tape.
 - * FAST FORWARD - Press to rapidly advance tape.
 - * STOP/EJECT - Press to stop tape. Press again to eject
 - * PAUSE - Press to temporarily stop in PLAY or RECORD mode.
24. **CASSETTE DECK 2.**
25. **MIC INPUT JACKS(MIC1/MIC2)** - connect the microphone for singing.
26. **MIC VOLUME CONTROLS(MIC1/MIC2)** - Adjusts the volume for microphones 1 or 2 to the desired sound level.
27. **OPEN/CLOSE** - Press OPEN to open CD compartment tray. Close CD compartment tray by pressing this point again.
28. **AUDIO OUTPUT JACK** - Connect to additional AMP to expand the system.
29. **VIDEO OUTPUT JACK** - Connect to TV.
30. **AUX INPUT JACK**- Connect other players to use the karaoke features on the TRIO.
31. **FM ANTENNA AERIAL WIRE.**
32. **SPEAKERS OUTPUT JACK.**
33. **HEADPHONE OUTPUT JACK.**
34. **AC POWER CORD.**

RADIO OPERATION

1. Unravel the FM Aerial Wire located on the rear of the unit.
2. Press the POWER switch on.
3. Set the FUNCTION switch to RADIO position.
4. Set the Band switch to the FMS, FM or AM position.
5. Rotate the tuning control to the desired station.
6. Adjust the VOLUME control and TONE control to the desired sound level.

NOTE:

- * When using the FM band, ensure that the aerial wire is unraveled and fully extended.
- * If it has FM stereo signal, the STEREO LED will be light, when using the FMS band.
- * If the FM station is poor or noisy, try moving the aerial wire to a different position, or press the BAND key until FM MONO shows in the display.

CONNECTING CD+G SYSTEM TO A TELEVISION & SPEAKERS CONNECTION

CONNECTING THE VIDEO: (SEE FIGURE BELOW)

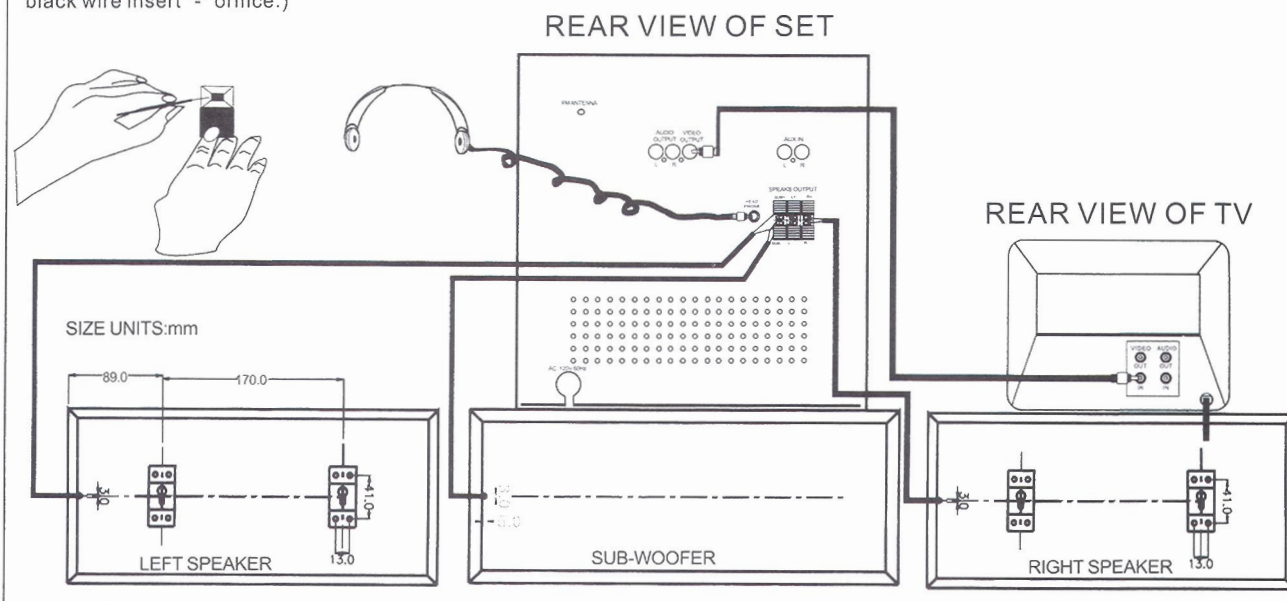
1. Connect the included video cable to the video output jack on the back of your TRIO karaoke system.
2. Connect the other end of the video cable to the video input jack on the back of your television.
3. On your television's remote control (or on the front panel of your TV), press the TV/Video button.
4. Select CD on the "Function" switch.) Feature # 13 on page 5 of this manual).
5. Turn on the power of the system.
6. Insert a CD+Graphics karaoke disc into the player and press play. The song lyrics will appear on your television screen.

NOTES:

- a). For song lyrics to appear on screen. You must be playing a CD+Graphics disc. When playing an ordinary audio CD, song lyrics will not appear on screen.
- b). While operating CD+G, activation of the "Search" function will cause the graphics to drop out. To reactivate the graphics, press "play" on the CD player.
- c). If your television does not have a video line input as indicated on the drawing below, either a) connect the video cable to the video input of your VCR, turn your TV to the channel normally set for VCR, select AUX. Input on your VCR, and you will be able to watch the lyrics through your VCR, or b) connect the video cable to an external RF game system. An RF modulator is not included.

FIGURE

NOTE: PUSH SPEAKER TERMINAL TAB DOWN TO INSERT WIRE, PUSH TAB UP TO LOCK WIRE IN TERMINAL. MAKE SURE THE INSULATION IS COMPLETELY REMOVED FROM THE ENDS OF THE ANTENNA AND SPEAKER WIRES AT ALL CONNECTION POINTS.
(Red wire insert "+" orifice, black wire insert "-" orifice.)



CD OPERATION

CD PREPARATIONS

- * This unit is designed to play CD's bearing the identification logo. If CD's do not conform to the CD standard, they may not properly play.
- * Fingerprints and dust should be carefully wiped off with a soft cloth. Wipe in a straight motion from the center to the outside of the disc.
- * Never use chemicals, such as record cleaning sprays, antistatic sprays or fluids, benzene or thinner to clean compact discs. These chemicals will permanently damage the plastic surface of the disc.
- * Always place the compact disc on the disc tray with the label facing upward. Compact discs can be played on only one side.
- * To remove a disc from it's storage case, press down the center of the case and lift the disc out, holding it carefully by the edges.
- * Discs should be returned to their cases after use, protect them from dust ad scratches.
- * To prevent warping the disc, do not expose it to direct sunlight, high humidity or high temperatures for extended periods of time.
- * Do not write anything on either side of the disc.,this may damage the surfaces of the disc.

CD OR CD+G PLAY

NOTES:

- * Do not touch the disc tray while it's moving.
- * Never place anything except a compact disc on the disc tray. Foreign objects can damage the unit.
- * Do not apply excessive force to disc tray.
- * Discs must be placed on the disc tray one at a time.

1. Press the POWER switch to ON
2. Switch the FUNCTION button to CD.
3. Press OPEN/CLOSE point (for CD door) to open the CD compartment tray.
4. Place a disc in the compartment with the printed side facing upward and the shiny side facing down.
5. Press OPEN/CLOSE point (for CD door) again to close the CD compartment tray. The LCD will display total number of tracks and playing time of the CD.
6. Press the PLAY/PAUSE button to start the CD playing from track number 1. The LCD will display "1" and elapsed time of the track.
7. Adjust the VOLUME, TONE, and ECHO control for the best sound.
8. Press STOP at any time to end play.
9. Press the OPEN/CLOSE point (for CD door) to open the compartment tray, press it again to close.

Temporarily stopping play

Press PLAY/PAUSE in the course of play, press again to resume.

Skip play

Press the SKIP button to select your desired track to be played.

Press the PLAY/PAUSE button to start playing.

Search

Pressing the SKIP button, will enable a search at high speed in the forward or reverse direction. When the button is released, normal play will continue.

Repeat play

To repeat the track currently playing, press the REPEAT button and the word "REPEAT ONE" will appear on the LCD. To repeat all of the tracks, press the REPEAT button twice and the word "REPEAT ALL" will appear on the LCD.

CASSETTE OPERATION

TAPE PRECAUTIONS

Recommended Cassette Tapes

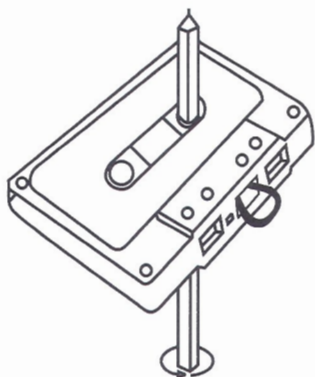
In order to obtain optimum performance with the built-in cassette tape deck, it is essential to use only high quality cassette tapes. We recommend using C-30, C-60, or C-90 cassettes.



NOTE: We do not recommend the cassettes with a time of 120 minutes (C-120), because they contain thinner and longer tapes which are more likely to jam or tangle in the player/recorder.

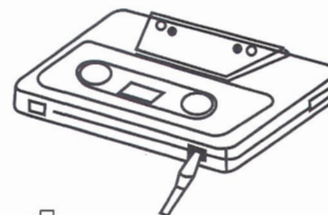
Checking The Cassette (Tape Slack)

Make sure that the cassette tape has no slack prior to inserting it into the cassette compartment. Unless the tape is taut, it may wind around the head mechanism and trouble may result. Use a pencil as shown to take up slack on one of the reels.



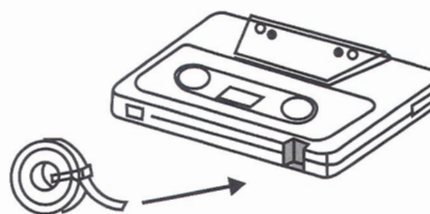
Accidental Erasure Protection

Remove the tab as illustrated so that the record mode does not function when the record button is pressed.



Tab of side A

To record on a cassette once tabs have been removed, simply cover the slot with plastic tape.



TAPE OPERATION

Deck 2 is for playback only, Deck 1 is for both playback and recording

PLAYBACK

1. Set the Function Control switch to TAPE position.
2. Push the POWER switch to turn on the unit.
3. Press STOP/EJECT to open the cassette door.
4. Insert a pre-recorded cassette with the exposed tape facing downward and the full spool in the left.
5. Gently push the cassette door closed.
6. Press PLAY/PAUSE to start the play.
7. Adjust MASTER VOLUME as desired and make sure that MIC MAX is in the central position.
8. Press STOP/EJECT to stop playback at any time. The tape will automatically stop at the end of the tape.
9. Press STOP/EJECT again to open the cassette door, then take out the tape.

Pause

Press PAUSE to temporarily stop playback or recording. Press it again to resume operation.

Fast Forward and Rewind

Press F.FWD or REW to fast winding or rewinding the tape. When the desired location has been reached, press STOP/EJECT.



NOTE: While playing or recording, do not press the F.FWD or REW key, or the sound quality may deteriorate.

CASSETTE OPERATION

SEQUENTIAL PLAY OF TWO CASSETTES

1. Insert a pre-recorded cassette into each of the DECK 1 and DECK 2 cassette compartments. Make sure that the full spool is on the LEFT in each compartments then close.
2. Set the FUNCTION switch to the PATE position.
3. Press PLAY on DECK 2, it will start to play at once.
4. Press PAUSE on DECK 1 and then press PLAY. When the tape reaches the end, the tape will stop and the PLAY key will return to normal position. Immediately afterwards, DECK 1 will automatically start to play. The tape will continue until it has reached it's end and then turn off automatically.

RECORDING

Recording can only be carried out on DECK 1. Recording is possible from the RADIO, MIC, CD, CD+G, TAPE TO TAPE and the AUXILIARY INPUT, which is located at the rear of the unit.

RECORDING FROM RADIO

1. Insert a cassette suitable for recording into DECK 1.
2. Press the PAUSE on DECK 1 and THEN press ONE TOUCH RECORD (PLAY key is automatically engaged when ONE TOUCH RECORD key is pressed).
3. Set FUNCTION switch for the desired source to be recorded FM, AM, TAPE or AUX. Operate the function in accordance with the instructions given.
4. Start recording by releasing/pressing PAUSE.
5. Press STOP/EJECT to stop recording, or press PAUSE to edit recording.

RECORDING FROM CD

1. Press POWER switch to on.
2. Press FUNCTION to CD.
3. Insert the disc into the CD compartment. Press SKIP to select the desired track you wish to record from.

Record from any position on the track:

press PLAY to start playback on the CD player. Press PAUSE when reaching the desired position you wish to record.

4. Press RECORD, then press PLAY/PAUSE on the CD player to start recording.
5. Press STOP/EJECT to stop recording at any time. The tape will automatically stop at the end of the tape.

TAPE TO TAPE DUBBING

This unit has the facility of recording/dubbing from one cassette to another.

1. Set FUNCTION control switch to the TAPE position.
2. Load the playback tape into DECK 2 and a blank tape into DECK 1.
3. DECK 2: Locate the tape position where recording will begin.
4. DECK 1: Locate the section of the tape to be dubbed.
5. Select the dubbing speed with HI-SPEED. Normal speed dubbing: for dubbing while monitoring at normal speed. High speed dubbing: for dubbing the tape at a high speed (approximately twice normal speed).
6. Press PAUSE on DECK 1 and then press ONE TOUCH RECORD.
7. Press RECORD.
8. Press PLAY of DECK2, the PAUSE key of DECK 1 will automatically be released and the tape will start to record from DECK 1. Stop or edit recording by pressing STOP/EJECT or pressing PAUSE.



NOTE: Do not operate the DUBBING control switch during the recording, as this will cause the recording to slur. When recording in the HI-SPEED mode, the sound will be garbled, turn the VOLUME control to minimum if monitoring is not required.

AUXILIARY INPUT

At the rear of the TRIO are two RCA sockets marked AUX/VIDEO INPUT L/R. External units (such as TUNER, TAPE, CD, etc.) may be connected via a suitable connection lead to these sockets. Select AUX position on the FUNCTION control switch to operate through the TRIO. The Microphone may be used to talk or sing over the music.

USING THE MICROPHONE

The TRIO may be used as a PA (Public Address), or you can sing along to the TAPE, RADIO, CD or other player connected to the auxiliary input.

CASSETTE OPERATION

PUBLIC ADDRESS

1. Connect the supplied microphone to either MIC input socket.
2. Press the POWER switch to turn the unit on.
3. Set the FUNCTION control switch to the AUX or TAPE position.
4. Move the MIC VOLUME control to central position.
5. Move the ON/OFF switch located on the microphone to ON position and speak or sing into the microphone. The microphone sensitivity and loudness should be adjusted as required by adjusting the MIC VOLUME control and VOLUME control.
6. To add depth or ambiance to your voice adjust the ECHO control until the desired effect is obtained.

NOTE: To prevent feedback or whistling from occurring make sure that the SPEAKER or TRIO facing away from the microphone.

AUXILIARY OUTPUT

At the rear of the TRIO are two RCA jacks marked AUDIO OUT. For added music volume for large parties, you can connect from this output to the input of a home stereo system (CD or AUX in on your system) or a power amplifier. Use the included audio connector cable.

SINGING TO MUSIC

The microphone can operate together with the RADIO, TAPE, CD or AUX functions.

1. Select the desired input and operate that input according to the instructions given.
2. Insert the supplied microphone into either MIC input socket.
3. Turn the microphone ON/OFF switch to the ON position and operate the microphone according to the instructions given in the PA section.
4. Use MULTIPLEX control to cut the vocals from the music being played. (must be a MULTIPLEX KARAOKE CD OR TAPE).

CARE AND MAINTENANCE

POWER SWITCH

After using the TRIO, turn off the power by pressing the power switch.

CLEANING THE UNIT

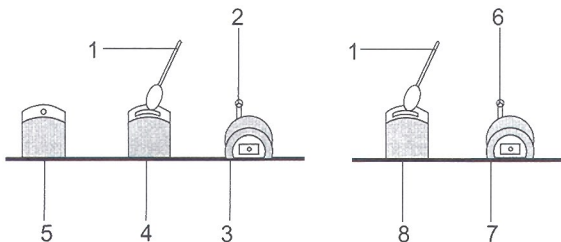
To clean the unit, simply wipe with a soft clean cloth moistened with plain lukewarm water.

CLEANING TAPE HEAD

When the tape is running, magnetic tape residue, powder and dust naturally accumulate on the tape deck heads, capstan and pinch roller, when they become too dirty, you will find:

- * Sound quality deteriorates.
- * The output sound level drops.
- * The previous recording is not completely erased.
- * Recording is not performed satisfactorily.

Therefore, for continued high performance from the cassette section, periodically clean the heads, pinch rollers and capstans whenever an accumulation of dust and red-brown oxide particles is noticed. To do this, open the cassette holder. Remove any cassettes still in the cassette compartments. Carefully rub each head (4,5,8), pinch roller (3,7) and capstan (2,6) with a cotton swab (1) moistened with isopropyl alcohol or special head-cleaning fluid.



Proprietary tape head cleaners are available from most HI-FI retail outlets.

CASSETTE DECK CARE

Use a clean soft cloth moistened with plain lukewarm water and wrung dry. Never use benzol, benzene or other strong chemical cleaners since these could damage the finish or your unit. It is important that no liquid reaches the inside of the unit.

NOTE:

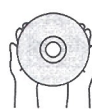
- * Screwdrivers and other metal objects should never be allowed to come in contact with the tape heads. These will scratch the sensitive surface and cause damage to your tapes.
- * Magnets or magnetized objects should not be placed near tape heads.



To prevent fire or shock hazard, disconnect your stereo system from the AC power plug when cleaning.

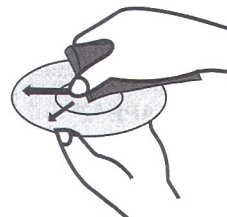
COMPACT DISC HANDLING DISC

Although the music tracks in the disc are covered with a protective layer, it is still advisable to treat the disc carefully. Ensure that you always pick up discs by the edge, and put them back in their holders immediately after use.



CLEANING DISC

Cleaning will not normally be necessary. However, should fingerprints, dust or dirt appear, you can wipe them off with a soft, lint-free cloth. Wipe the disc in a straight line from center to edge. You can moisten the disc first if necessary.



NOTE: DO not use detergent or abrasive cleaning agents, for they can damage the disc.

CD PLAYER

The player mechanism is fitted with self-lubricating bearings, and must not be oiled or greased.

TROUBLESHOOTING GUIDE

If you have followed the instructions and are having difficulty operating the unit, locate the PROBLEM in the left column below. Check the corresponding POSSIBLE CAUSE columns to locate and remedy the problem.

PROBLEM	POSSIBLE CAUSE	SOLUTION
No power when POWER is on.	No power plug connection at the AC outlet.	Insert the power plug into the AC outlet.
No sound.	Volume control is set to MIN.	Turn up the VOLUME.
	The wrong input is selected.	Select the correct input.
Poor FM reception	Antenna not placed for best reception.	Move antenna wire around to obtain best reception.
System turned on and PLAY pressed, but no sound from TAPE.	Function set improperly for tape playback.	Slide FUNCTION knob to TAPE.
	PAUSE button pressed in.	Press and release the PAUSE button.
	Unrecorded tape inserted.	Insert recorded tape.
Poor playback sound.	Dirty heads.	Clean heads. See Tape DECK Cleaning.
	Cassette tape is badly stretched.	Replace the cassette.
	Heads have become magnetized.	Demagnetize the play and record head with a tape head demagnetizer every 100 hours of use.
RECORD button cannot be pressed in.	Cassette without erase protection tabs inserted.	Try another cassette, or place a piece of tape over the breakout tab holes.
poor recording.	Dirty heads.	Clean heads. See Tape Deck Cleaning.
	Heads have become magnetized.	Demagnetize the play and record head with a tape head demagnetizer every 100 hours of use.
	Microphone defective Microphone cable broken or intermittent.	Replace microphone or microphone cord.
Tape speed is erratic.	Dirty capstan and/or pressure roller.	Clean the capstan and pressure roller.
Cannot copy from TAPE "2" to TAPE "1"	Unrecorded tape inserted into TAPE "2"	Insert recorded tape.
	PLAY/RECORD function selector is in wrong position.	Set to the proper position.
CD PLAYER Does not work properly.	Disc is inserted upside down	Insert disc correctly.
	Disc is dirty.	Wipe clean with soft cloth.
	Disc is scratched.	Use a new disc.
	Disc seriously warped.	Use a new disc.
	A nonstandard disc is inserted	Use only brand name disc.
Moisture has formed inside the Cd deck	Wait about 20 to 30 minutes to let it dry.	
NO song lyrics Appear on screen	Video cable is not connected properly to the TV	Connect the video cable to the TRIO VIDEO OUT and to the TV VIDEO IN
	Source selector on TV is not set to VIDEO.	Using your TV Remote to select VIDEO or AUX input
	TV does not have video line input.	Connect from VIDEO OUT of the TRIO to the VIDEO IN of your VCR or Connect to an RF Modulator and then to the TV cable input.

SPECIFICATIONS

RADIO SECTION: FREQUENCY RANGE AM FM	530 - 1710 Khz 87.5 - 108 MHz
AUDIO SECTION: MAX OUTPUT POWER(THD 10%) OUTPUT IMPEDANCE GRAPHIC EQUALIZER CONTROLS	50 W X3 (MAX) 4 ohms +/- 6 dB
CD PLAYER SECTION: FREQUENCY RESPONSE SIGNAL - TO - NOISE RATIO WOW AND FLUTTER D-A CONVERSION NUMBER OF PROGRAMS SAMPLING SYSTEM	20Hz - 20KHz (+/- 3 dB) 65dB IMMEASURABLE 16-BIT LINEAR 20 STEPS RANDOM ACCESS PROGRAMMING 2 TIMES OVER SAMPLING
CASSETTE DECK SECTION: WOW AND FLUTTER FREQUENCY RESPONSE TAPE SPEED	0.35% (WRMS) 125Hz - 8KHz (+/- 3dB) 4.75cm/Sec
POWER SUPPLY: AC INPUT POWER	AC 120V 60Hz