

JENSEN[®]

DJ SCRATCH MIXER



MODEL: JDJ-500

USER MANUAL

PLEASE READ THIS USER MANUAL COMPLETELY BEFORE
OPERATING THIS UNIT AND RETAIN THIS BOOKLET FOR
FUTURE REFERENCE.

GENERAL SAFETY INSTRUCTION

Signal Word Definitions

DANGER – Indicates an imminently hazardous situation, which, if not avoided, will result in death or serious injury. This symbol appears only in the most extreme situations.

WARNING - Indicates a potentially hazardous situation which could result in death or serious injury.

CAUTION - Indicates a potentially hazardous situation, which, if not avoided, may result in minor/ moderate injury or product/ property damage. It also alerts against unsafe practices.



This symbol is a warning sign alerting you of "DANGEROUS VOLTAGE" INSIDE THE PRODUCT.

CAUTION

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



This is a warning sign alerting you of important instructions accompanying this product.

READ ALL INSTRUCTIONS BEFORE USE

Always follow basic safety precautions when using electrical products, especially when children are present.

Congratulations on your purchase of this DJ Scratch Mixer. To get the most from your speaker system, please take a few minutes to read these instructions.



WARNING - To reduce the risk of fire, electric shock or serious personal injury. Do not open the unit. This product is intended for indoor, non-industrial, non-commercial use; do not use the product outdoors.
Do not mount this product on a wall or ceiling.

1. Always follow basic safety precautions when using electrical products. Children should be supervised to ensure that they do not play with appliances.
2. Do not allow children to operate the unit without adult supervision.
3. Read this instruction manual carefully before you attempt to use the unit.
4. Consult your dealer or service personnel if you have further questions about the operation or safety of the unit.

5. Do not expose the product to temperatures above 104°F (40°C). Keep it in moderate climates.
6. The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed near the product. Dry location use only.
7. No naked flame sources, such as candles, should be placed on the product.
8. Keep the power cord and product away from heated surfaces.
9. Keep at least 5 cm of space around the unit for sufficient ventilation.
10. The ventilation holes should not be blocked up by things such as newspapers, dusters, curtains, etc. Place the product where there is good ventilation.
11. Do not place or drop the product into water or other liquids. If the product falls into water, immediately unplug it from the electrical outlet; do not pull on the power cord.
12. Do not plug or unplug the AC adaptor in wet hands.
13. Do not place the unit near TV, speakers, and other objects that generate strong magnetic fields.
14. Do not clean the unit with strong chemical agents.
15. This product has no user-serviceable parts. Do not attempt to dismantle or repair this unit by yourself. This unit should be repaired by qualified service technician only.
16. Do not operate the unit if it is not working normally or has been damaged in any way. Turn the unit off. Unplug it from the power source. And consult service personnel.
17. Do not remove any fixed cover. This will increase the risk of electrical shock.
18. Press the player's buttons gently. Pressing them or the screen too hard can damage the player.
19. Do not push any objects into holes, slots, or openings on the unit. This could result in fatal electric shock.
20. Do not subject the product to harsh impacts. Do not drop the appliance. This may result in damage to the product and loss of data.
21. Care is required for the use of this apparatus in tropical and/ or moderate climates.
22. Do not use the appliance in an extremely dry environment, as this can lead to static discharge, which can damage the player.
23. Only use attachments/accessories specified with this unit.
24. Unplug this apparatus during lightning storms or when it is unused for long periods of time.

COMPLIANCE WITH FCC REGULATIONS

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

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

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio technician for help.

WARNING

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

DEAR JENSEN® CUSTOMER

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. 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 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 to prevent hearing damage or loss in the future. After all, we want you listening for a lifetime.

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.



Customer's Record:

The serial number of this product is found on its bottom. You should note the serial number of this unit in the space provided as a permanent record of your purchase to aid in identification in the event of theft or loss.

Model Number: JDJ-500

Serial Number: _____

GETTING STARTED

1. Standard Accessories

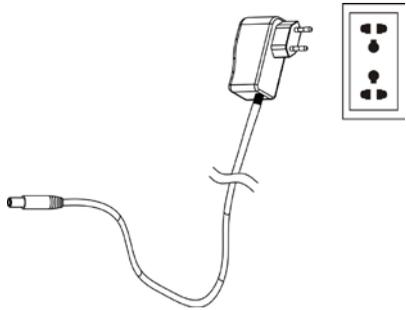
Unpack the unit carefully and remove all the accessories from the giftbox. Please keep the box and packing materials, in case you wish to store the unit. Don't remove any labels or sticker on the rear of the unit and adaptor. Before setting up the unit, verify that the following accessories are present:

Main unit x 1	AC adaptor x 1
User manual x 1	Short Audio cable with 3.5mm plugs x 1 (about 5" long)
Long Audio cable with 3.5mm plugs x 1 (about 36" long)	RCA cable with 3.5mm plug x 1 (about 42" long)

2. Power source

This unit is supplied with an AC adaptor, take following steps to connect the adaptor.

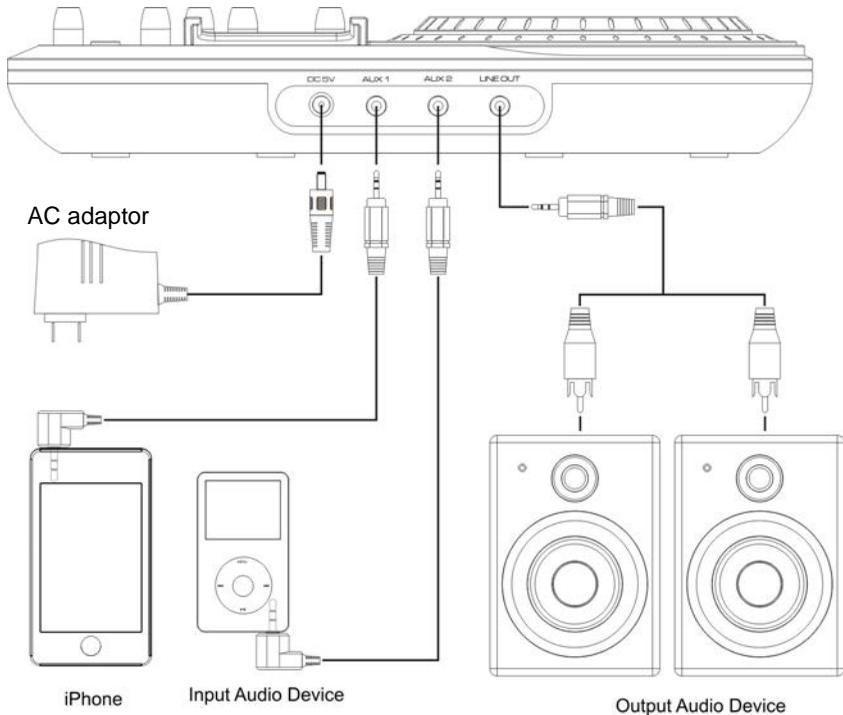
- 1) Unwind the power cord of the AC adaptor to its full length.
- 2) Connect the DC plug of the AC adaptor to the DC socket on the rear of the appliance.
- 3) Then plug the AC adaptor to the AC outlet (AC120V 60Hz). Connecting this system to any other power source may cause damage to the system. For sufficient ventilation, keep other objects at least 4 inches away from the unit.
- 4) Turn on the AC Supply at the wall socket.
- 5) To switch the unit off completely, unplug the AC adaptor from the wall outlet.



Note:

- Do not touch the AC adaptor with wet hands.
- Once connected to the power supply, the unit will enter standby mode, Press the MAIN SWITCH button to power the unit on.
- Please disconnect the AC adaptor from the power supply if the appliance is not going to be used for a long period time.

3. Connection Diagram



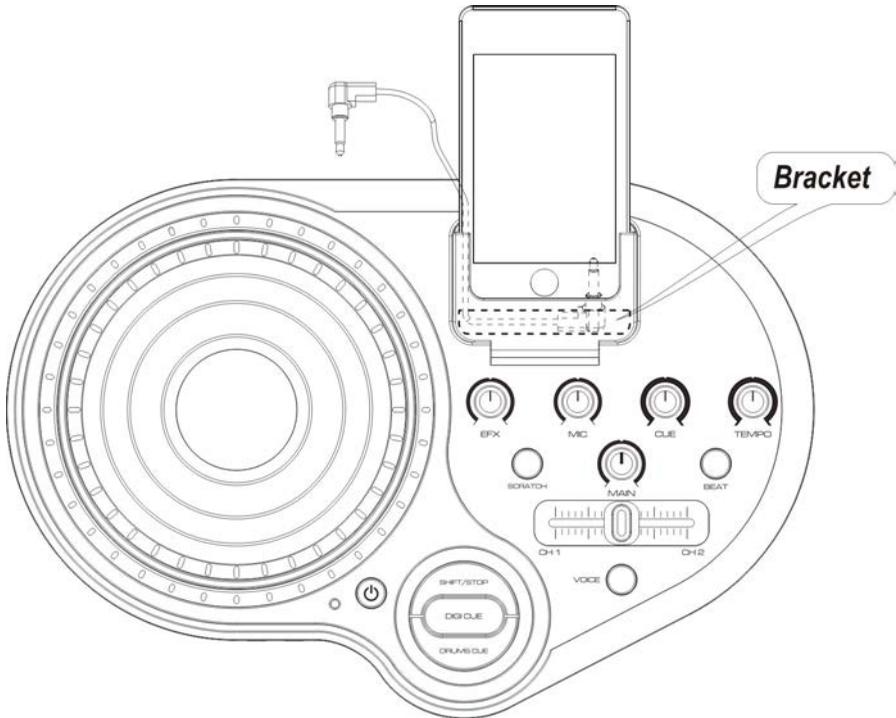
Before operating this appliance you have to:

- a. Connect the appliance with your iPod or iPhone using the supplied Audio cables.
- b. Connect to the external audio system via the supplied RCA cable or 3.5mm Audio cable.
- c. Plug the 3.5mm plug to the line out jack of your DJ Scratch Mixer.
- d. Plug the supplied AC adaptor to the mains power outlet. (Note the iPod, iPhone and speaker systems are not included)

4. Connect your iPod or iPhone to the DJ Scratch Mixer as shown below:

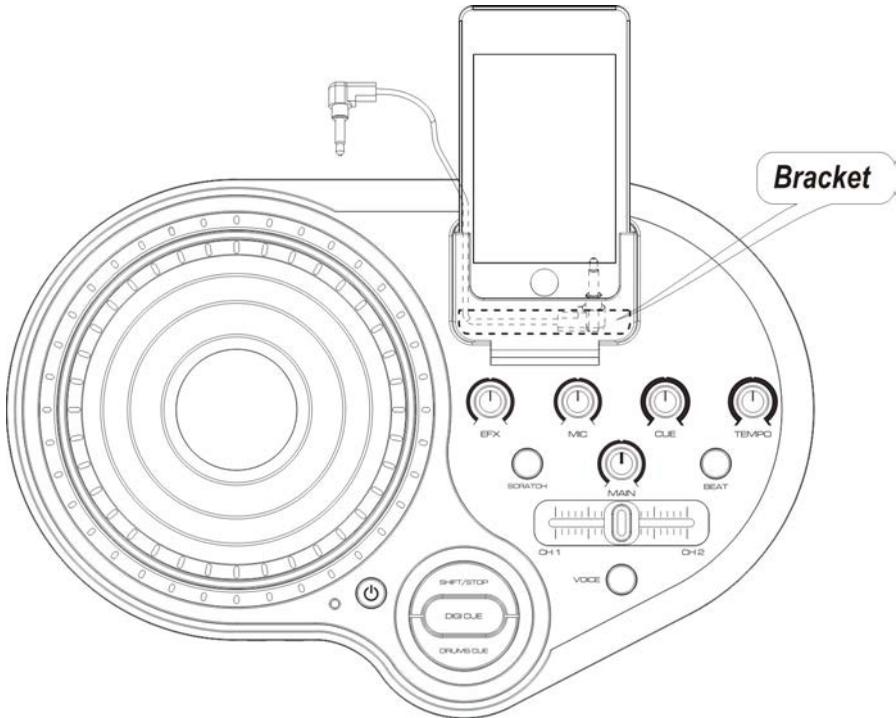
a. iPod Connection

- (1) Insert the short 3.5mm cable through the hole at back of cradle making sure the 3.5mm jack is inserted as shown in the drawing.
- (2) Insert the 3.5mm jack through the bracket and connect to the headphone jack of the iPod.
- (3) Connect the iPod to the Deck via the 3.5mm Aux 1 jack.
- (4) Put iPod with bracket into the cradle.



b. iPhone Connection

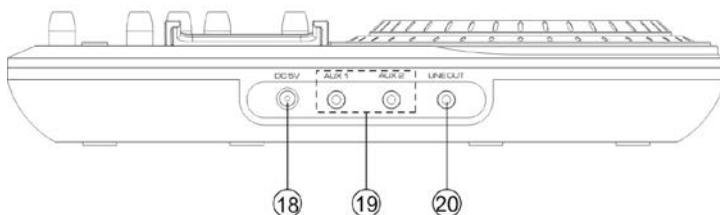
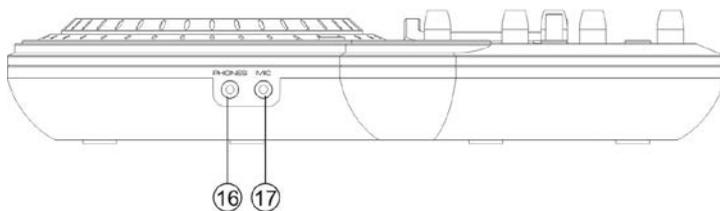
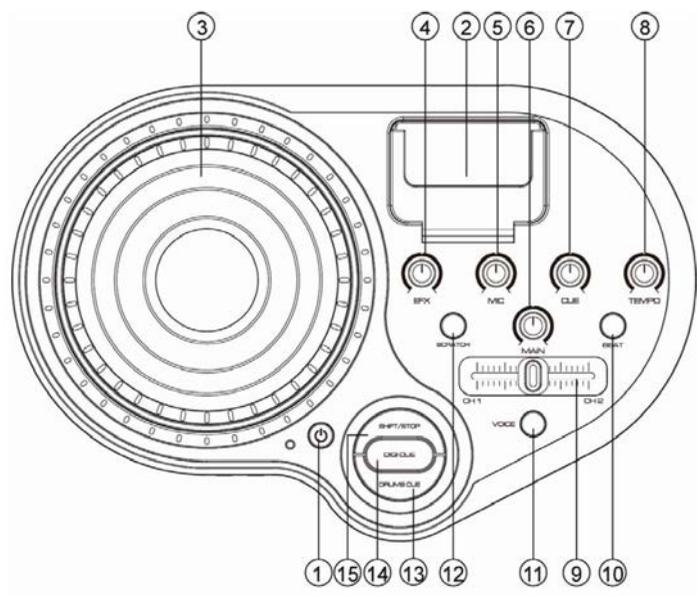
- (1) Remove 3.5mm cable from bracket.
- (2) Connect the 3.5mm cable to the 3.5mm headphone jack on top of the iPhone.
- (3) Connect the iPhone to the Deck via the 3.5mm Aux 1 jack.
- (4) Put iPhone with bracket into the cradle.



c. Auxiliary Audio Device Connection

- (1) Connect the 3.5mm cable to the 3.5mm headphone jack on the MP3 player or auxiliary Audio Device.
- (2) Connect the MP3 player or auxiliary Audio Device to the Deck via the 3.5mm Aux 2 jack.

MAIN FEATURES AND BASIC OPERATION



1. POWER BUTTON: TURN ON/OFF THE UNIT

Press the power button on the main unit to turn the unit on. The power indicator LED next to the power button turns on. Press the power button again to switch the unit off. The power indicator LED then turns off.

2. iPod CRADLE

Place your iPod Touch or iPhone in the cradle.

3. SCRATCH JOG WHEEL

Press the Scratch button and rotate the JOG WHEEL to create different “SCRATCH” effects.

4. EFX CONTROL

Adjust Effect level by turning the EFX knob. Used in conjunction with Beat Button (10), Digi Cue Button (14) or Drums Cue Button (13).

5. MIC CONTROL

Adjust microphone level by turning the Mic volume knob.

6. MAIN CONTROL

Adjust master level output.

7. CUE CONTROL

Cue level to control your headset volume.

8. TEMPO CONTROL

Adjust the TEMPO speed by turning the TEMPO knob to get the desired “Beat” effect. Used in conjunction with Beat Button (10), Digi Cue Button (14) or Drums Cue Button (13).

9. CROSS FADER

Used to achieve a clean segue between the two input channels. Hard left selects channel 1. Hard right selects channel 2. Sliding the control from left to right (or right to left) will fade the channels in and out. With the cross fader centered both channels are balanced.

10. BEAT BUTTON

Press the beat button to choose between 6 special sound effects: 3 Drum cues and 3 Digi cues. The selected effect will play continuously. Effect level and tempo control are controlled by EFX Control (4) and Tempo Control (8). To stop the effect press the Shift/Stop button (15).

11. VOICE BUTTON

Press the Voice button and rotate the JOG WHEEL to create 2 different “VOICE” effects.

12. SCRATCH BUTTON

Press the Scratch button and rotate the JOG WHEEL to create different “SCRATCH” effects.

13. DRUMS CUE BUTTON

Press to active a short drums effect.

Press and hold the “DRUMS CUE” button and press “SHIFT” simultaneously to select one of three special drum sound effects.

14. DIGI CUE BUTTON

Press to active a short digital sound effect.

Press and hold the “DIGI CUE” and press “SHIFT” simultaneously to select one of three special digital sound effects.

15. SHIFT/STOP

- 1) When a Beat effect is activated press the STOP button to stop the effect.
- 2) Press the “DRUMS CUE” or “DIGI CUE” button and press “SHIFT” to switch between effects.

16. HEADPHONE JACK

Monitor your music and effects and independently adjust your headphone volume with the Cue control (7).

17. MIC INPUT

Connect a microphone to add your voice to the mix.

18. DC CONNECTOR

Connect the supplied AC adaptor to the main appliance.

19. AUX 1, AUX 2

Connect your iPod, MP3 player or auxiliary Audio Device to the Deck via the supplied 3.5mm cables to the AUX 1 or AUX 2 input jack.

20. LINE OUT

Connect to the external audio system via the supplied RCA cable or 3.5mm Audio cable. Plug the 3.5mm plug to the line out jack of your DJ Scratch Mixer.

■ **Listening to your Music from other audio device:**

To hear the music from your player through the DJ Scratch Mixer, you must connect the line out jack of the Mixer to a pair of amplified speakers or a stereo system.

■ **Operating the Mixer:**

- (1) Press the power button to turn on the unit once the AC adaptor is connected. The power indicator LED next to the power button turns on.
- (2) Use the controls and effects on the Mixer to make your own music creations.

■ **Effects Controls:**

The mixer allows you to add different effects to your music.

The effects include 6 Beat effects (3 Digi Cue, 3 Drums Cue) and Scratch effects.

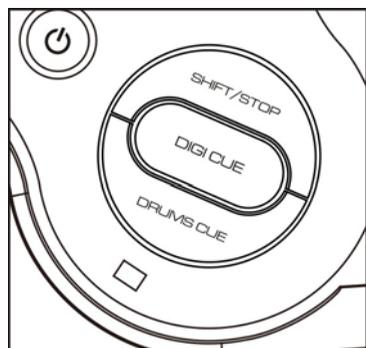
You can easily add these effects as you mix the music from two audio sources.

The Tempo control allows you to adjust the Beat speed of the effect to match the beat of your music.

The SCRATCH and BEAT controls used with the Jog Wheel allow you to add special sound effects to your mix.

■ **Headphone: (Not included)**

The Mixer allows you to connect a set of headphone to monitor your audio creations. While using headphones you can monitor music from either Audio Source without



affecting what is playing through the speakers. Headphone volume can be controlled via the Cue control.

■ **Microphone: (Not included)**

The Mixer allows you to connect a microphone in order to add your own voice to the mix.

Note:

Please use a headset mic with 3.5mm stereo plugs for both mic and headphone inputs for correct operation.



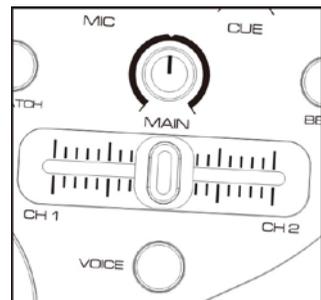
ENLARGED VIEW
OF STEREO PLUGS:



■ **Cross-fade:**

The cross-fade bar allows you to easily switch the audio output on the Mixer from Audio source A to Audio Source B. Slide the cross-fade bar from left to right to switch the source of the audio. When the cross-fade bar in the middle both audio sources will be heard through the mixer.

Note: Both audio sources need to be playing in order to switch the music.



■ **Scratch Jog Wheel:**

The Jog Wheel is used for adding scratch effects. Rotating the JOG WHEEL while pressing the SCRATCH button creates "SCRATCH" effects.



SPECTRA GREEN NOTICE



At Spectra, environmental and social responsibility is a core value of our business. We are dedicated to continuous implementation of responsible initiatives with an aim to conserve and maintain the environment through responsible recycling. Please visit us at

<http://www.spectraintl.com/green.htm> for more information on Spectra's green initiatives or to find a recycler in your area.

CARE AND MAINTENANCE

1. Do place the unit away from the children. Always turn OFF the appliance and remove the power adaptor from the mains outlet before cleaning the unit.
2. To reduce the risk of fire or electrical shock, do not expose this appliance to rain or moisture. Electrical equipment should NEVER be kept or stored in a damp environment.
3. Do not use abrasive materials or chemical cleaners such as alcohol, benzene, etc. Do not allow any water or other liquid enters the appliance. Clean with dry soft cloth to wipe the dirty from the unit.
4. Pressing buttons or operating switches with excessive force may damage the unit.
5. To reduce the risk of electric shock do not remove the back cover; there are no serviceable parts inside. Refer servicing to qualified service personnel.

TROUBLESHOOTING GUIDE

Symptom	Possible Problem	Solution
The unit does not turn on.	The power adaptor has not been connected.	Connect the cord to a power outlet.
	The AC wall socket has not been turned ON	Turn On the AC wall socket switch.
There is little or no sound.	The Cross fader selector switch is in the wrong position.	Correctly set the cross fader selector switch to the device currently playing.
	The 3.5 mm audio cable has not been connected properly or has been disconnected.	Connect the cable properly.

	The 3.5 mm audio cable plug is dirty.	Clean the cable plug and reconnect.
	The Master Level Output has been set too low.	Adjust the master output level control by using the Main Control.
Sound is distorted.	Master output level is too high.	Adjust the master output level control by using the Main Control.
Effects don't work.	The Cross fader selector switch is in the wrong position.	Correctly select the channel to which effects should be applied.

**90 DAY LIMITED WARRANTY AND SERVICE
VALID IN THE U.S.A ONLY**

SPECTRA MERCHANDISING INTERNATIONAL, INC. warrants this unit to be free from defective materials or factory workmanship for a period of 90 days from the date of original customer purchase and provided the product is utilized within the U.S.A. This warranty is not assignable or transferable. Our obligation under this warranty is the repair or replacement of the defective unit or any part thereof, except batteries, when it is returned to the SPECTRA Service Department, accompanied by proof of the date of original consumer purchase, such as a duplicated copy of a sales receipt. You must pay all shipping charges required to ship the product to SPECTRA for warranty service. If the product is repaired or replaced under warranty, the return charges will be at SPECTRA's expense. There are no other express warranties other than those stated herein.

This warranty is valid only in accordance with the conditions set forth below:

1. The warranty applies to the SPECTRA product only while:
 - a. It remains in the possession of the original purchaser and proof of purchase is demonstrated.
 - b. It has not been subjected to accident, misuse, abuse, improper service, usage outside the descriptions and warnings covered within the owner's manual or non-SPECTRA approved modifications.
 - c. Claims are made within the warranty period.
2. This warranty does not cover damage or equipment failure caused by electrical wiring not in compliance with electrical codes or SPECTRA owner's manual specifications, or failure to provide reasonable care and necessary maintenance as outlined in the owner's manual.
3. Warranty of all SPECTRA products applies to residential use only and is void when products are used in a nonresidential environment or installed outside the United States.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. TO OBTAIN SERVICE, please remove all batteries (if any) and pack the unit carefully and send it prepaid by insured parcel post or UPS to SPECTRA at the address shown below. IF THE UNIT IS RETURNED WITHIN THE WARRANTY PERIOD shown above, please include a proof of purchase (dated cash register receipt) so that we may establish your eligibility for warranty service and repair of the unit without cost. Also include a note with a description explaining how the unit is defective. A customer service representative may need to contact you regarding the status of your repair, so include your name, address, phone number and e-mail address to speed the process.

IF THE UNIT IS OUTSIDE THE WARRANTY PERIOD, please include a check for \$35.00 to cover the cost of repair, handling and return postage. All out of warranty returns must be sent prepaid. It is recommended that you contact SPECTRA first at 1-800-777-5331 or by e-mail at info@spectraintl.com for updated information on the unit requiring service. In some cases the model you have may be discontinued and SPECTRA reserve the right to offer alternative options for repair or replacement.

SPECTRA MERCHANDISING INTERNATIONAL, INC.
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1-800-777-5331

To register your product, visit the link below on the website to enter your information.
<http://www.spectraintl.com/wform.htm>

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