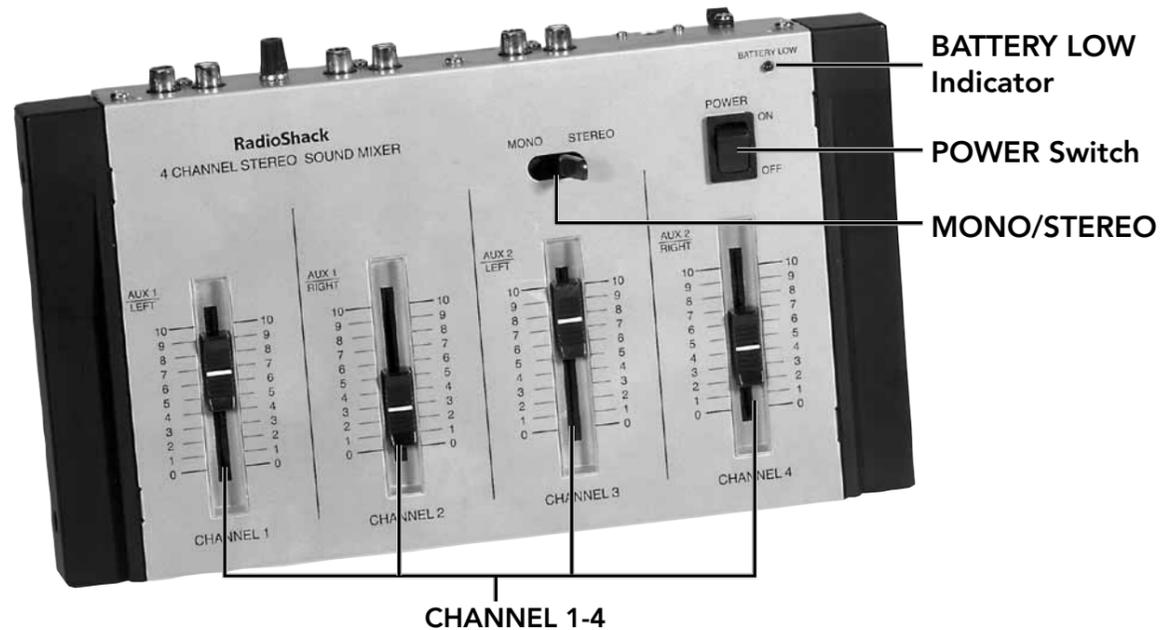


Stereo - 4-Channel Microphone Mixer

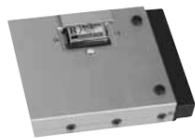
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Setting Up Your Mixer

Installing Batteries

1. Remove the battery cover.
2. Insert one 9V battery (not supplied) in the battery compartment matching the polarity symbols (+ and -) marked on the back of the battery cover.
3. Replace the battery cover.



Replace the battery when **BATTERY LOW** indicator lights.

Battery Notes

- Dispose of old batteries promptly and properly.
- Do not burn or bury batteries.
- Use only a fresh battery of the required size and recommended type.
- If you do not plan to use the mixer for more than a week, remove the battery. It can leak chemicals that can damage electronic parts.

Using AC Power

Connect a 9V AC adapter (not supplied) to the DC 9V jack. Connect the other end to the power source.



Notes:

- Always connect the AC adapter to the mixer before you connect it to AC power. When you finish, disconnect the adapter from AC power before you disconnect it from the mixer.
- Using an adapter that does not meet the specifications could damage the mixer or adapter.

Presetting the Mixer

To prevent accidental audio mixing or channel overdrive, set **MONO/STEREO** to **MONO**, set **POWER ON/OFF** to **OFF**, and slide **Channel 1-4** to **0** (minimum) before you connect to your power supply.

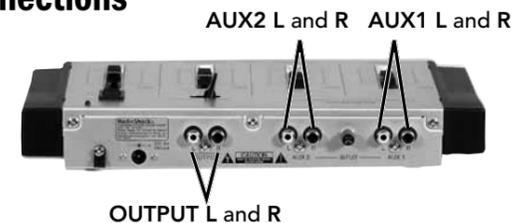
A sudden high output from the mixer could damage audio devices connected to the mixer and could damage your hearing, especially if you use headphones.

Presetting Audio Devices

Make sure you power off the devices before you connect them to the mixer.

To avoid sudden sound outputs from connected audio devices, adjust the volume of the connected audio device to its lowest level.

Connections



Use shielded audio cables (not supplied) for all input connections. The connected input source's signals are routed to the corresponding channel on the mixer.

Two stereo inputs

Connect the line level outputs from one device to the mixer's **AUX 1 INPUT R** and **L** jacks. Connect the line level outputs from the second device to the mixer's **AUX 2 INPUT R** and **L** jacks.

Four stereo sources as monaural inputs

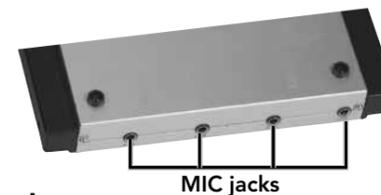
Use shielded Y-adapters (not supplied) at each source's left and right outputs, and connect a separate stereo source to each input jack (**AUX 1 R**, **AUX 1 L**, **AUX 2 R**, or **AUX 2 L**) on the mixer.

Four monaural inputs

Connect each monaural device to each input jack (**AUX 1 R**, **AUX 1 L**, **AUX 2 R**, or **AUX 2 L**) on the mixer.

Two monaural sources as stereo inputs

Use shielded Y-adapters (not supplied) at each source's monaural outputs, and connect one source to **AUX 1 R** and **L**. Connect the other source to **AUX 2 R** and **L**.



Four microphones

Connect up to four microphones to the mixer's **MIC jacks (1-4)**. Each microphone signal is routed to the mixer's corresponding channel.

If you connect an audio device and a microphone so they are output to the same channel, the signals from both devices are mixed and controlled by the mixer.

Output

To play the mixer's output through your speaker system (at parties, dances, conferences, etc.), use an audio patch cord (not supplied) to connect the mixer's **OUTPUT L** and **R** jacks to your receiver or amplifier's line input jacks.

To record the mixer's output, use an audio patch cord (not supplied) to connect the mixer's **OUTPUT L** and **R** jacks to your recording device's line input jacks.

Thank you for purchasing your Stereo 4-Channel Microphone Mixer from **RadioShack**. It enables you to mix and add sound from up to four microphones or two audio input sources, such as a CD player, tuner, or cassette player. Please read this user's guide before installing, setting up and using your new product.

What's Included

Mixer

User's Guide

Specifications

Input Sensitivity:	
Mic	1.5 mV/600 ohm
Line	150 mV/27k ohm
Output Level at 10k Ohm Load	1.2V
Input Overload:	
Mic	more than 250 mV
Line	more than 6V
Distortion	less than 0.2%
Signal-to-Noise Ratio	better than 60 dB
Frequency Response	10~35,000 Hz ± 3 dB
Power Requirements:	
DC	One 9V battery
AC Adapter	Output: 9VDC, 100 mA
Input: 120V AC, 60 Hz	
Dimensions (H×W×D)	2 3/16 × 10 5/8 × 6 5/16 inches
	(5.5 × 27 × 16 cm)
Weight	1 lb 10.5 oz. (850 g)

Specifications are subject to change and improvement without notice. Actual product may vary from the images found in this document.

Recycle Rechargeable Batteries

Placing rechargeable batteries in the trash can be harmful to the environment. Instead, recycle old rechargeable batteries at your local **RadioShack** store free of charge. **RadioShack** participates in the RBRC® battery recycling program, and is committed to preserving the environment and conserving natural resources. Call 1-800-THE-SHACK (1-800-843-7422) for more information.

Limited Warranty

This product is warranted by **RadioShack** against manufacturing defects in material and workmanship under normal use for one (1) year from the date of purchase from **RadioShack** company-owned stores and authorized **RadioShack** franchisees and dealers. EXCEPT AS PROVIDED HEREIN, **RadioShack** MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, **RadioShack** SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF **RadioShack** HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the **RadioShack** sales receipt as proof of purchase date to any **RadioShack** store. **RadioShack** will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of **RadioShack**. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a **RadioShack** Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

RadioShack Customer Relations
300 RadioShack Circle, Fort Worth, TX 76102

12/99

www.radioshack.com



Protect the environment by recycling used electronics. Go to www.ecyclingcentral.com to find a recycle location near you.



Using Your Mixer

1. Set the **POWER** switch to **ON**. To avoid popping sounds, always turn on the mixer before you turn on your amplifier.
2. Turn on the output amplifier and set its volume to minimum.
3. Set the audio input source's volume to minimum. Turn on the source, and set it to play (or continuously talk into the microphone).
4. Adjust the mixer's corresponding **CHANNEL 1, 2, 3,** or **4** to level **6-10**. When mixing more than one audio input, adjust each input's volume to about the same listening level.
5. Adjust the output amplifier's volume as desired.
6. When you are finished mixing, turn off the mixer, the output amplifier, and all audio input sources.

Mixing Mono or Stereo

To mix mono signals with stereo signals, set **STEREO/MONO** to **STEREO**.

When **STEREO/MONO** is set to **MONO**:

- The mixer routes monaural input signals of devices connected (separately) to the mixer's **AUX 1 L, AUX 1 R, AUX 2 L, AUX 2 R** jacks to both outputs.
- The mixer changes stereo input signals of devices connected to the mixer's **AUX 1 L/R** and **AUX 2 L/R** jacks to monaural signals.

For mono amplifiers (found in some PA systems), it is best to set **MODE STEREO/MONO** to **MONO**.

Voiceovers

Talk into a microphone to mix pre-recorded music or sound from an audio input source with your voice.

1. Before talking, adjust **CHANNEL** (corresponding to the connected audio source) to the desired volume level.
2. As the music plays, talk or sing into the microphone. Adjust the microphone and audio levels so you can hear yourself over the music.
3. If you pause and stop talking or singing, adjust **CHANNEL** to its original position (step 1).
4. When finished, adjust the microphone's volume to **0** and the audio source's **CHANNEL** to its original position (step 1).

Important Safety Instructions

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

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

Heed Warnings — Follow all warnings on the appliance and in the operating instructions.

Cleaning — Unplug this appliance from the wall outlet before cleaning. Use only a damp cloth for cleaning. Do not use liquid or aerosol cleaners.

Water and Moisture — Do not use this appliance near water (for example, near a bathtub, washbowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool).

Mounting Accessories — Do not place this appliance on an unstable cart, stand, tripod, bracket, or table. The appliance may fall, causing serious injury to a child or adult, and serious damage to the appliance.

Ventilation — Do not place the appliance on a bed, sofa, rug, or other similar surface. Do not place the appliance in a built-in installation such as a bookcase or rack unless it provides proper ventilation as specified by the manufacturer.

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

Power Sources — Operate this appliance using only the power source indicated on its marking label. If you are not sure of your home's power type, consult your appliance dealer or local power company.

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

Power Lines — An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

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

Overloading — Do not overload wall outlets, extension cords, or integral convenience receptacles, as this can result in a risk of fire or electric shock.

Objects and Liquids — Never push objects of any kind into this appliance through openings, as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the appliance.

Carts and Stands — If the appliance is used with a cart or stand, the cart or stand should be a type recommended by the manufacturer. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces cause the appliance and cart combination to overturn.

Damage Requiring Service — Unplug this appliance from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power-supply cord or plug is damaged.
- If liquid has been spilled or objects have fallen into the appliance.
- If the appliance has been exposed to rain or water.
- If the appliance does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions, as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the appliance to normal operation.
- If the appliance has been dropped or damaged in any way.
- When the appliance exhibits a distinct change in performance.

Servicing — Do not attempt to service this appliance yourself, as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

Replacement Parts — When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.

Safety Check — Upon completion of any service or repairs to this appliance, ask the service technician to perform safety checks to determine that the appliance is in proper operating condition.

Lightning — For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet. This will prevent damage to the product due to lightning and power line surges.

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

Wall or Ceiling Mounting — The product should be mounted to a wall or ceiling only as recommended by the manufacturer.



WARNING: To reduce the risk of fire or shock hazard, do not expose this product to rain or moisture.

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

