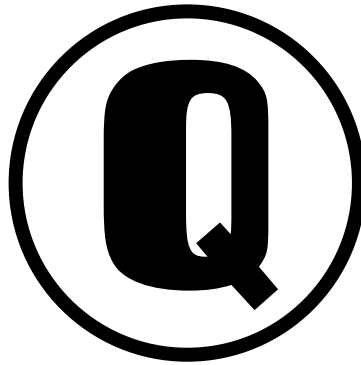
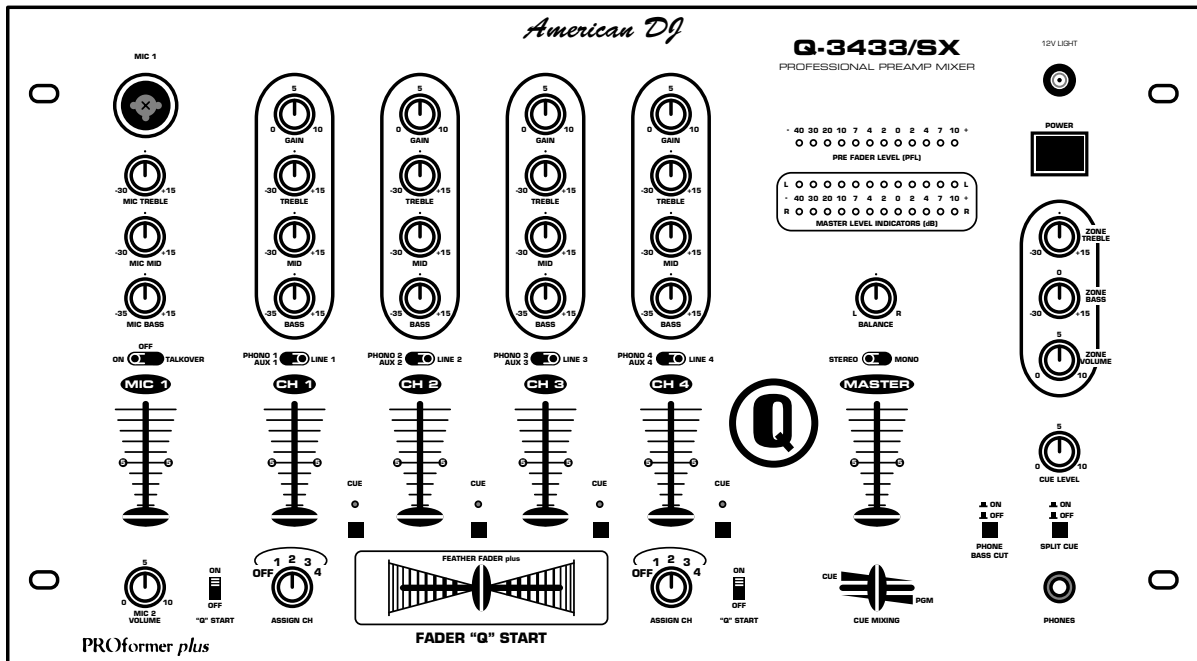


American D9® **AUDIO**



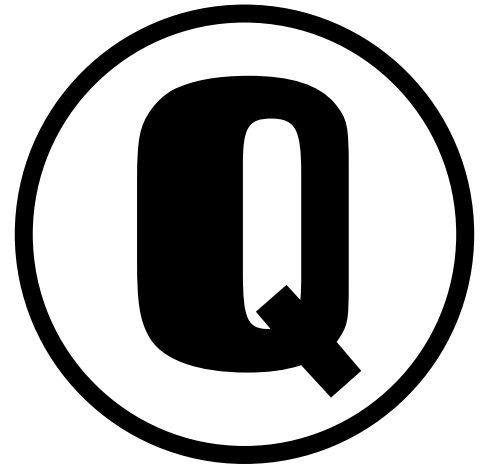
Q-3433/SX

USER INSTRUCTIONS



djs wanted

Q-3433/SX



Featuring Fader "Q" Start

Main Features:

- Equipped with high quality Crossfader (Replaceable)
- Optical Detecting Fader for Q-Start Control
- Multi-Channel Assignable Crossfader
- High Power Headphone Output
- Selectable Voltage 115v~230v
- 4 Channel Mixer
- 3 Phono, 4 Line, 3 Auxiliary Inputs
- 3 Microphone Input - (1) XLR/ 1/4" combo plug, (2) 1/4" Input Jacks
- Volume Control for each Mic
- Master Balance Control
- 12V BNC Light Connector for Gooseneck Light
- Fader "Q" Start on all four channels
- On/Off Switch Controls Fader "Q" Start Function (for use with the American DJ CD Players with Fader "Q" Start)
- -35dB Rotary Kills for Treble, Bass & Mids on all four channels
- Individual Channel Gain Control
- Convenient "L" Shape Design
- Soft-touch rubber knobs for better control
- Extremely clean signal to noise ratio
- Light Control Signal Output Jack
- Talk Over Button - Reduces channel output gain by 15dB +/- 2 dB
- Independent Booth Level Output
- Stereo LED Level Indicator
- PFL Level Indicator
- Split Cue Monitoring
- Cue Mixing
- Balanced XLR Master Output
- Stereo/Mono Output Switch
- 4 Signal Output Options - Master (RCA and Balanced XLR), Booth (RCA) and REC (RCA)

Specifications subject to change without notice.

professional products designed for the working DJ

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Important Precautions

1. Be sure to save the packing carton in case you ever have to return the unit for service.
2. Read all documentation before attempting to operate your new mixer. Please save all your documentation for future reference.
3. Do not spill water or other liquids in to or on to your mixer.
4. Be sure that the local power outlet matches that of the required voltage for your mixer.
5. Do not attempt to operate this unit if the power cord has been frayed or broken. Please route your power cord out of the way of foot traffic.
6. Always have the front gain controls set to their lowest level during initial power-up to prevent speaker damage.
7. Disconnect from main power before making any type of connection.
8. Do not remove the top cover under any conditions. There are no user serviceable parts inside.
9. Disconnect the unit's main power when left unused for long periods of time.

Introduction

Introduction:

Congratulations and thank you for purchasing the American DJ® Q-3433/SX™ mixer. This mixer is a representation of American DJ's continuing commitment to producing the best and highest quality products at an affordable price. This mixer includes several innovative features that pack a big punch! **The Q-3433/SX™ comes with a 2 year limited warranty!**

Please read and understand this manual completely before attempting to operate your new mixer. This booklet contains important information concerning the proper and safe operation of your new mixer.

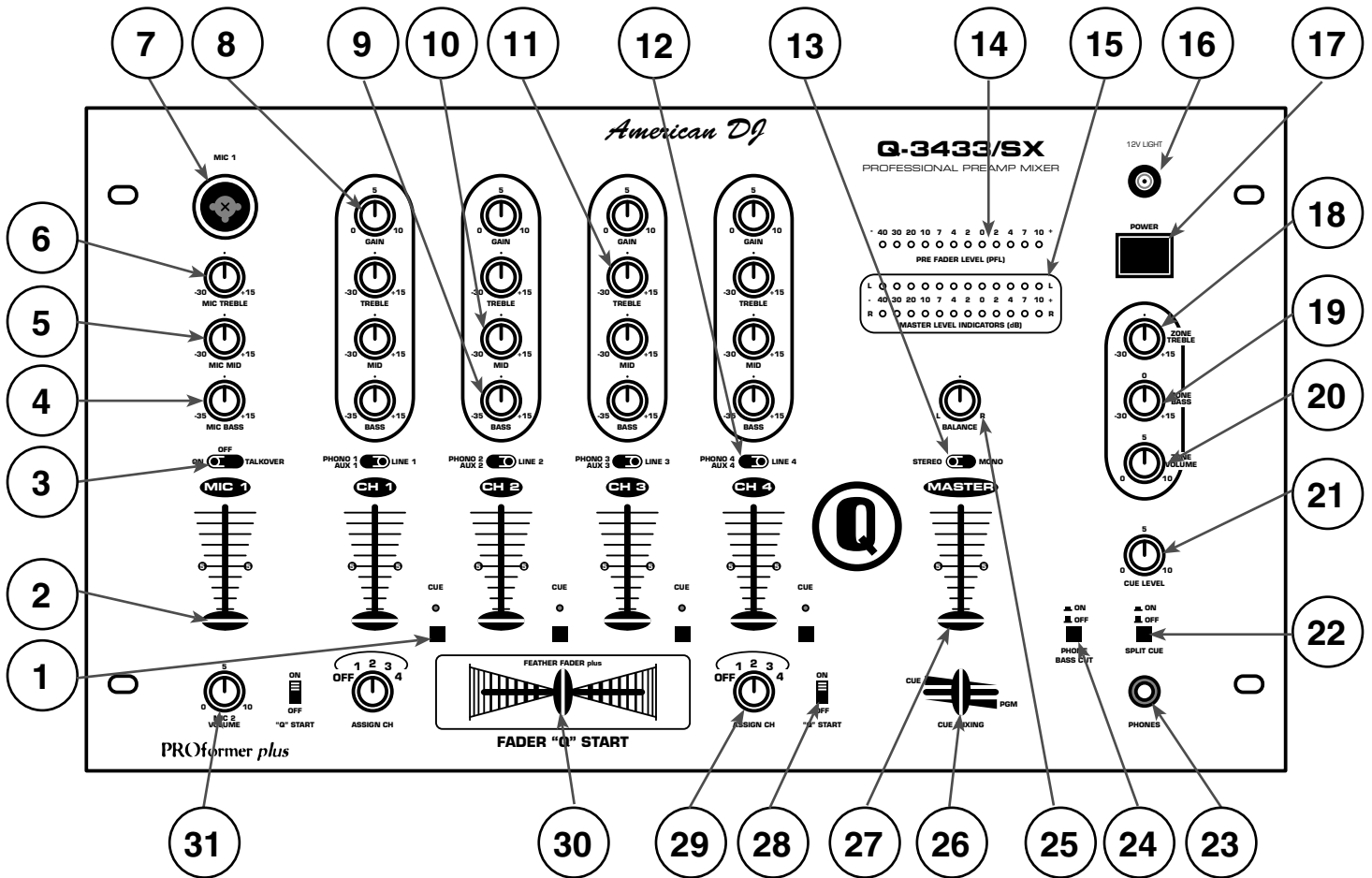
Unpacking:

Carefully open and unpack your mixer. Be sure to save the packaging in case you ever need to return your unit to the factory. After unpacking, inspect the mixer for any type of damage that may have occurred during shipping or transit. If you notice any type of damage notify your dealer immediately for instructions.

Set-Up Precautions:

Please make any connections before you plug the unit in. Be sure the Power switch is in the OFF position before connecting other devices to the mixer. All fader and volume controls should be set to 0 or minimum position, before the device is switched on. If the device has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch on the mixer immediately. The arising condensation of water might damage your device. Leave the device switched off until it has reached room temperature.

FRONT PANEL - CONTROLS AND FUNCTIONS



- 1. CUE BUTTONS** - These buttons are used to activate a channels "CUE" mode. A red LED above the cue button will glow when cue mode is activated. Cue mode will send a channels incoming signal to the headphones. The cue level is adjusted by the **CUE LEVEL ADJUSTMENT KNOB (21)**. Be sure the cue level is set to minimum before putting your headphones on. Be sure to slide the **CUE MIXING SLIDER (26)** to the cue position to hear the selected channel source.
- 2. MIC 1 VOLUME CONTROL FADER** - This fader is used to adjust the microphone volume output level of **MIC 1 (7)**.
- 3. TALKOVER SWITCH** - While in the ON position the microphone can be used at any time, while this will not attenuate any other channels. When the switch is in the TALKOVER position, the microphone is hot, meaning that when the microphone is in use all channels attenuate -15dB except the MIC. When the microphone is not being spoken into all channels return to normal . In the OFF position, all signals return to their original level and the microphone is off.
- 4. MIC BASS CONTROL** - This knob is used adjust the low frequency output of both **MIC 1 (2)** and **MIC 2 (31)**. Turning the knob in clockwise direction will increase the low frequencies, turning the knob in a counter-clockwise direction will decrease the low frequencies.
- 5. MIC MID CONTROL** - This knob is used adjust the mid range frequency output of both **MIC 1 (2)** and **MIC 2 (31)**. Turning the knob in clockwise direction will increase the mid range frequencies, turning the knob in a counter-clockwise direction will decrease the mid range frequencies.

FRONT PANEL - CONTROLS AND FUNCTIONS CONT.

6. **MIC TREBLE CONTROL** - This knob is used adjust the low frequency output of both **MIC 1 (2)** and **MIC 2 (31)**. Turning the knob in clockwise direction will increase the high range frequencies, turning the knob in a counter-clockwise direction will decrease the high range frequencies.
7. **MIC 1 INPUT JACK** - Combination Microphone Plug. This jack will accept a standard 1/4" male plug or a XLR 3-pin balanced male plug. The volume output level will be controlled by the **MIC 1 VOLUME CONTROL FADER (2)**.
8. **CHANNEL GAIN CONTROL** - This adjustment is used to adjust an audio source signal input gain for a channel. Never use the gain control to adjust output volume. Setting the gain level properly will ensure a clean output signal. An improper gain level adjustment will send a distorted signal throughout the entire audio line. To properly set the gain level control:
 1. Be sure the **MASTER VOLUME CONTROL (27)** is set to minimum (zero output).
 2. Set the **CHANNEL FADER (2)** to level 7.
 3. Begin play on an audio source connected to the channel you are adjusting.
 4. Turn the **CUE (1)** function on for the channel you are adjusting.
 6. Use the **GAIN CONTROL** to adjust an average output volume of +4 dB in the **LED LEVEL INDICATOR (15)**.
9. **CHANNEL BASS EQUALIZER** - Each of the four channels come with a BASS signal output EQ. These controls are used to increase (up to +15dB) or decrease (down to -35dB) the LOW range output signal. Turn the knob counter-clockwise to decrease a value or clockwise to increase a value.
10. **CHANNEL MID RANGE EQUALIZER** - Each of the four channels come with a MID signal output EQ. These controls are used to increase (up to +15dB) or decrease (down to -30dB) the MID range output signal. Turn the knob counter-clockwise to decrease a value or clockwise to increase a value.
11. **CHANNEL TREBLE FREQUENCY EQUALIZER** - Each of the four channels come with a HIGH signal output EQ. These controls are used to increase (up to +15dB) or decrease (down to -30dB) the HIGH frequency output signal. Turn the knob counter-clockwise to decrease a value or clockwise to increase a value.
12. **SOURCE SELECTOR SWITCH** - These are two-position switches. The switches are used to select the input source assigned to each channel. Each channel may only be assigned one input source at a time.
13. **STEREO/MONO SELECTOR SWITCH** - This two-position switch change the master output signal from mono to stereo.
14. **PFL LEVEL INDICATORS** - This meter is used to detail the CUE level PFL (pre fader level).
Please Note: PFL is Pre Fader Level. This is the input channel signal level you will hear in your headphones.
15. **MASTER LEVEL INDICATORS** - The dual MASTER LEVEL LED indicators along the top of unit is used to detail the master output level. The meter will detail the output level of the left and right channels.
16. **BNC JACK** - This jack is used to supply a 12V DC signal to a gooseneck light, such as the American DJ® GNL-14.™
17. **POWER SWITCH** - This is the main power ON/OFF button. A yellow LED below the power switch will glow when power is ON. Before you turn the power on be sure you have made all connections to the mixer. Also be sure you amplifiers are tuned off. Remember mixer on first and turned off last

FRONT PANEL - CONTROLS AND FUNCTIONS CONT.

- 18. ZONE LEVEL TREBLE CONTROL** - This knob is used adjust the high frequency output of the **ZONE LEVEL VOLUME OUTPUT(20)**. Turning the knob in clockwise direction will increase the high frequency output, turning the knob in a counter-clockwise direction will decrease the high frequency output.
- 19. ZONE LEVEL TREBLE CONTROL** - This knob is used adjust the low frequency output of the **ZONE LEVEL VOLUME OUTPUT(20)**. Turning the knob in clockwise direction will increase the low frequency output, turning the knob in a counter-clockwise direction will decrease the low frequency output.
- 20. ZONE LEVEL VOLUME OUTPUT CONTROL** - This rotary knob is used to control the zone level volume. The zone level is not PFL, it is essentially a second master output volume with separate output volume control.
- 21. CUE LEVEL VOLUME CONTROL** - This knob is used to adjusts the headphone volume level.
- 22. SPLIT CUE** - This button will activate the "Split Cue" function. When used with a set of stereo headphones, the Split Cue function assign the Cue signal the left channel of the headphones and assigns the Program (main output) signal to the right channel of the headphones. Essentially splitting the cue signal in half. Please note that this function will only work with a set of stereo headphones.
- 23. HEADPHONES JACKS** - This jack is used to connect your headphones to the mixer. Use headphones only rated at 8 ohms to 16 ohms. Most DJ headphones are rated at 16 ohm, these are highly recommended. Always be sure the **CUE LEVEL VOLUME (21)** is set to minimum before you put the headphones on.
- 24. HEADPHONES BASS CUT** - This button is used to cut the bass frequencies from the headphone output level.
- 25. MASTER LEVEL BALANCE CONTROL** - This knob controls the balance level output of the **MASTER VOLUME FADER (27)**. The knob has center lock position for precise center panning. Turning the knob to the "L" (counter-clockwise) position will increase the left channel output level. Turing the knob to "R" (clockwise) position will increase the right channel output level, while decreasing the left. To maintain a true stereo sound, level the balance control knob set to the 12 O'clock, or center position.
- 26. CUE MIXING CONTROL** - This functions allows you to monitor the Cue level as well as the Program (main output) level in your headphones. A channels Cue Level may only be monitored if the channels Cue function is selected. To select a channels cue function depress the **CUE BUTTON (1)** that is directly associated with the specific channel you wish to monitor. You may use the mixing function to blend both the Cue level and the Program level together. You can vary the output level to either hear more or less of either of the two levels. Sliding the Cue Mixing fader to the CUE position will allow you to hear more of the Cue level. Sliding the knob to the PGM position will allow you to hear more of the Program level (main output). You may also use the Cue Mixing Control to hear either the Cue level or the Program level exclusively. If the fader is in the full CUE position you will only hear the cue level, if the fader is in the full PGM position you will only hear the main output. This function will especially be useful for occasions when an external monitor is not available.
- 27. MASTER VOLUME CONTROL** - This fader is used to control the master output level (main volume). To avoid distorted output try to maintain an average output signal level +4 dB. This fader will control the **XLR-BALANCED (42)** output jacks and **MASTER VOLUME RCA (44)** jacks.

FRONT PANEL - CONTROLS AND FUNCTIONS CONT.

28. "Q" START ON/OFF - This function works in conjunction with a compatible American DJ® "Q" series professional CD player. When used with a compatible "Q" series CD player, you can use the **CROSSFADER (30)** to start and stop the CD Player. The ON/OFF "Q" START switch activates this FADER "Q" START feature. When in the ON position, the FADER "Q" START function allows the fader to return automatically to the CD players preset cue point by simply sliding the **CROSSFADER (30)** back and forth.

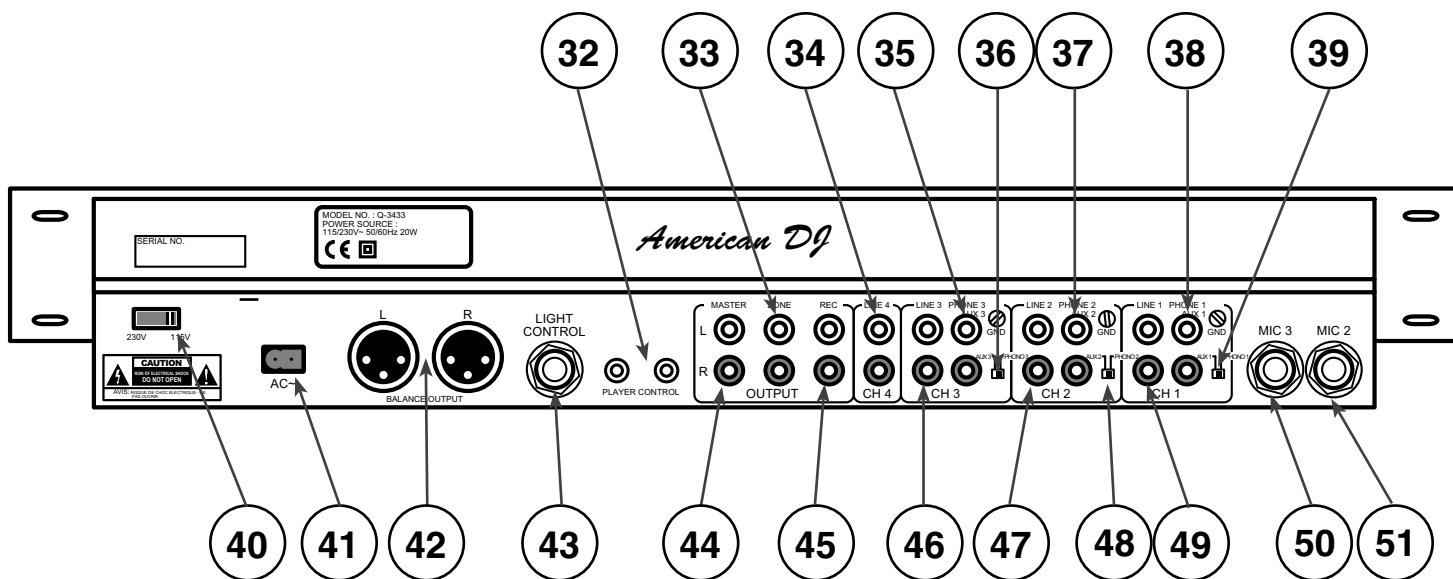
For example, each time you slide the crossfader to the far left, the "Q" start function will trigger the play mode for any CD player connected to **PLAYER CONTROL "A" (32)**. Play will begin at that unit's last set cue point. Turn the **"Q" ON/OFF SWITCH** to the OFF position to disengage "Q" Start function and resume normal fader operation.

29. FADER ASSIGN SWITCH - This is a five position switch that assign a channel to the **CROSSFADER (30)**. When a channel is assigned to the left side of the **CROSSFADER (30)** that channels output level will be controlled by the **CROSSFADER (30)**. Sliding the **CROSSFADER (30)** to left position will send full volume output to the **MASTER VOLUME LEVEL (27)** and sliding the **CROSSFADER (30)** to right position will cut that channels volume to **MASTER VOLUME LEVEL (27)**. The reverse is true for the right channel fader assign switch.

30. FEATHER FADER PLUS™ CROSSFADER - The **CROSSFADER** blends the output signals of any channels assigned to "Left" or "Right." When the fader is in the full "Left" position, the output signal of any channels assigned to "Left" will be controlled by the **MASTER VOLUME LEVEL (27)**. The same fundamentals will apply for "Right." Sliding the fader from one position to another will vary the output signals of the "Left" and "Right" channels respectively. When the crossfader is set in the center position, the output signals of both the "Left" and "Right" channels will be even.

31. MIC 2 VOLUME CONTROL - This knob is used to control the volume output level of **MICROPHONE 2 (51)**.

REAR PANEL - CONTROLS AND FUNCTIONS



32. PLAYER CONTROL - These jacks are used to input 1/8" mono mini plugs from a compatible American DJ "Q" series CD players also featuring Fader "Q" Start. This feature is used to remote control a CD player. By moving the mixer crossfader (30) from left to right you can start and pause a "Q" series compact disc player. In other words, when the mixer crossfader is to the left, and you move it at least 20% to the right, any player connected to the **"B" PLAYER CONTROL** will begin to play. When the crossfader is to the right, and you move it at least 20% to the left position, any player connected to the **"A" PLAYER CONTROL** will begin to play. You can create great effects similar to scratching with this feature.

33. ZONE LEVEL OUTPUTS - The RCA jacks send a low current, unbalanced output signal. These jacks should only be used for shorter cable runs to signal processors or looping to another mixer.

34. CHANNEL 4 - LINE 4 RCA INPUT JACKS - Use these line level jacks to connect CD players or Tape Decks. Line level musical instruments with stereo outputs such as Rhythm Machines or Samplers should also be connected to LINE level inputs. Turntables should only be connected to "Phono" inputs. The red colored RCA jack represents the right channel input and the white represents the left channel input.

35. CHANNEL 3 - PHONO 3/AUX3 INPUT JACKS - The type of input must directly reflect the selected mode of the **CHANNEL 3 - LINE LEVEL SELECTOR SWITCH (36)**. Connect turntables equipped with MM pickup cartridge to PHONO inputs (All DJ turntable use MM pick-up cartridges). CD players or Tape Decks and other line level instruments may be connected to these jacks as long as the **CHANNEL 3 - LINE LEVEL SELECTOR SWITCH (36)** is in the "AUX 3" position. The red colored RCA jack represents the right channel input and the white represents the left channel input.

36. CHANNEL 3 - LINE LEVEL SELECTOR SWITCH - This switch is used to change the mode of **CHANNEL 3 - PHONO 3/AUX3 INPUT JACKS**. When connecting turntable to these jacks be sure the switch is in the PHONO position, and when using line level input devices select AUX. ***Always be sure main power is shut off before change the position of the Line Level Selector Switch.***

REAR PANEL - CONTROLS AND FUNCTIONS CONT.

- 37. CHANNEL 2 - PHONO 2/AUX2 INPUT JACKS** - The type of input must directly reflect the selected mode of the **CHANNEL 2 - LINE LEVEL SELECTOR SWITCH (48)**. Connect turntables equipped with MM pickup cartridge to PHONO inputs (All DJ turntable use MM pick-up cartridges). CD players or Tape Decks and other line level instruments may be connected to these jacks as long as the **CHANNEL 2 - LINE LEVEL SELECTOR SWITCH (48)** is in the "AUX 2" position. The red colored RCA jack represents the right channel input and the white represents the left channel input.
- 38. CHANNEL 1 - PHONO 1/AUX1 INPUT JACKS** - The type of input must directly reflect the selected mode of the **CHANNEL 1 - LINE LEVEL SELECTOR SWITCH (39)**. Connect turntables equipped with MM pickup cartridge to PHONO inputs (All DJ turntable use MM pick-up cartridges). CD players or Tape Decks and other line level instruments may be connected to these jacks as long as the **CHANNEL 1 - LINE LEVEL SELECTOR SWITCH (39)** is in the "AUX 1" position. The red colored RCA jack represents the right channel input and the white represents the left channel input.
- 39. CHANNEL 1 - LINE LEVEL SELECTOR SWITCH** - This switch is used to change the mode of **CHANNEL 1 - PHONO 1/AUX1 INPUT JACKS**. When connecting turntable to these jacks be sure the switch is in the PHONO position, and when using line level input devices select AUX. *Always be sure main power is shut off before change the position of the Line Level Selector Switch.*
- 40. AC VOLTAGE SELECTOR** - Select between 115V/50Hz or 230V/60Hz. Make sure that the selector is set to the proper voltage you are using.
- 41. AC CONNECTION** - This connection is used for your detachable AC power cord. Be sure to only plug your unit in to the recommended power supply.
- 42. BALANCED XLR MASTER OUTPUTS** - The Master Output includes a pair **XLR BALANCED JACKS** as well as a pair **RCA UNBALANCED JACKS (44)**. The 3-pin XLR jacks send a high current balanced output signal. These jacks should be used when you will be driving an amp or other audio equipment with a balanced input, or whenever you will be running a signal line greater than 15 feet.
- 43. LIGHT CONTROL OUTPUT** - This jack provides a preset mono audio output signal. There is no way to adjust this level, however this level will directly reflect the output level of the **CHANNEL SLIDERS (2)**. This buffered audio output should only be used for light controllers that can accept an external audio input signal. Great for Touch Panels and Chase Controllers.
- 44. RCA MASTER OUTPUTS** - The Master Output includes a pair **XLR BALANCED JACKS (42)** as well as a pair **RCA UNBALANCED JACKS**. The RCA jacks send a low current unbalanced output signal. These jacks should only be used for shorter cable runs to signal processors or looping to another mixer. For cable runs greater than 15 feet use the **XLR BALANCED JACKS (42)**.
- 45. REC OUT** - This is a low current unbalanced output source designed for various tape and CD recorders. The Record Out (REC OUT) level is dictated by the **CHANNEL FADER LEVEL (2)**, it is not influenced by the **MASTER VOLUME CONTROL (27)**.
- 46. CHANNEL 3 - LINE 3 RCA INPUT JACKS** - Connect CD players or Tape Decks to these line level inputs. Line level musical instruments with stereo outputs such as Rhythm Machines or Samplers should also be connected to LINE inputs. Turntables should only be connected to "Phono" inputs. The red colored RCA jack represents the right channel input and the white represents the left channel input.

REAR PANEL - CONTROLS AND FUNCTIONS CONT.

- 47. CHANNEL 2 - LINE 2 RCA INPUT JACKS** - Connect CD players or Tape Decks to these line level inputs. Line level musical instruments with stereo outputs such as Rhythm Machines or Samplers should also be connected to LINE inputs. Turntables should only be connected to "Phono" inputs. The red colored RCA jack represents the right channel input and the white represents the left channel input.
- 48. CHANNEL 2 - LINE LEVEL SELECTOR SWITCH** - This switch is used to change the mode of **CHANNEL 2 - PHONO 2/AUX2 INPUT JACKS**. When connecting turntable to these jacks be sure the switch is in the PHONO position, and when using line level input devices select AUX. ***Always be sure main power is shut off before change the position of the Line Level Selector Switch.***
- 49. CHANNEL 1 - LINE 1 RCA INPUT JACKS** - Connect CD players or Tape Decks to these line level inputs. Line level musical instruments with stereo outputs such as Rhythm Machines or Samplers should also be connected to LINE inputs. Turntables should only be connected to "Phono" inputs. The red colored RCA jack represents the right channel input and the white represents the left channel input.
- 50. MIC 3 INPUT JACK** - This jack is used to a connect a microphone to the mixer. Connect you mic to **MIC 3** via 1/4 inch (6.3mm) jack. The signals will be controlled by **CHANNEL SLIDER 4 (2)**. BASS, MID, and TREBLE can be adjusted by the **CHANNEL EQ (9, 10, &11)**.
- 51. MIC 2 INPUT JACK** - This jack is used to a connect a microphone to the mixer. Connect you mic to **MIC 2** via 1/4 inch (6.3mm) jack. The signal level will be controlled by the **MIC 2 VOLUME CONTROL KNOB (31)**. **BASS (4)**, **MID (5)**, and **TREBLE (6)** levels can be adjusted.

SET-UP INSTRUCTIONS

INPUTS/OUTPUTS:

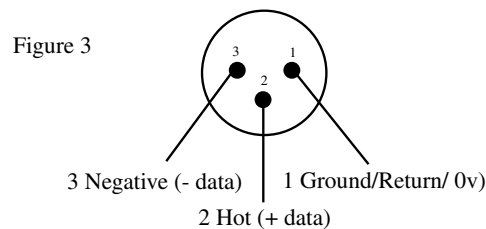
OUTPUTS:

The Q-3433/SX allows you two types of output connectors **BALANCED XLR (42)** and **UNBALANCED RCA (33, 44, & 45)**. Use these connection to connect the output signal from your mixer to the inputs of a cross-over, EQ, or other type processor. A balanced connection is recommended for cable runs longer than 15 feet. When constructing your own XLR cables follow the pin configuration describe below for proper connectivity. For cable runs shorter than 15 feet you may choose the RCA unbalanced output option. The unbalanced output option may be more convenient for most users due to the abundant supply of prefabricated RCA cables on the market.

INPUTS:

All the input options on the mixer are unbalanced RCA's. For best results do not use cable run longer than 15 feet for any incoming audio source, longer cable runs will result in inferior sound quality.

Male XLR Pin Configuration:



Connections (Refer to the diagrams on pages 8, 12, & 13)

Before you connect the unit's main power supply, be sure local voltage matches that of the required mixer voltage. Remember the mixer can be selected to operate with either 115v or 230v. Operational can be changed by the **VOLTAGE SELECTOR (40)** on the rear of the unit.

Be sure the power switch is in the OFF position before making any type of connections to the mixer. Also be sure the power on all units being connected to the mixer have been switched off.

Before switch the power on the mixer be sure **MASTER VOLUME (27)** is turned down and the power switch to all your amplifier are in the "OFF" position.

Connect the mixers **MASTER OUTPUT JACKS (42 & 44)** to your audio system. Make sure that the channels are set properly. When using the **BALANCED OUTPUT JACKS (42)** be sure your cable follow the above Pin Configuration (Figure 3).

For recording, connect your tape recorder or cassette deck to the **REC OUT JACKS (45)**. The Record Out level will not be influenced by the **MASTER VOLUME CONTROL (27)**. The Record Out (REC OUT) level is dictated by the **CHANNEL FADER LEVEL (2)**.

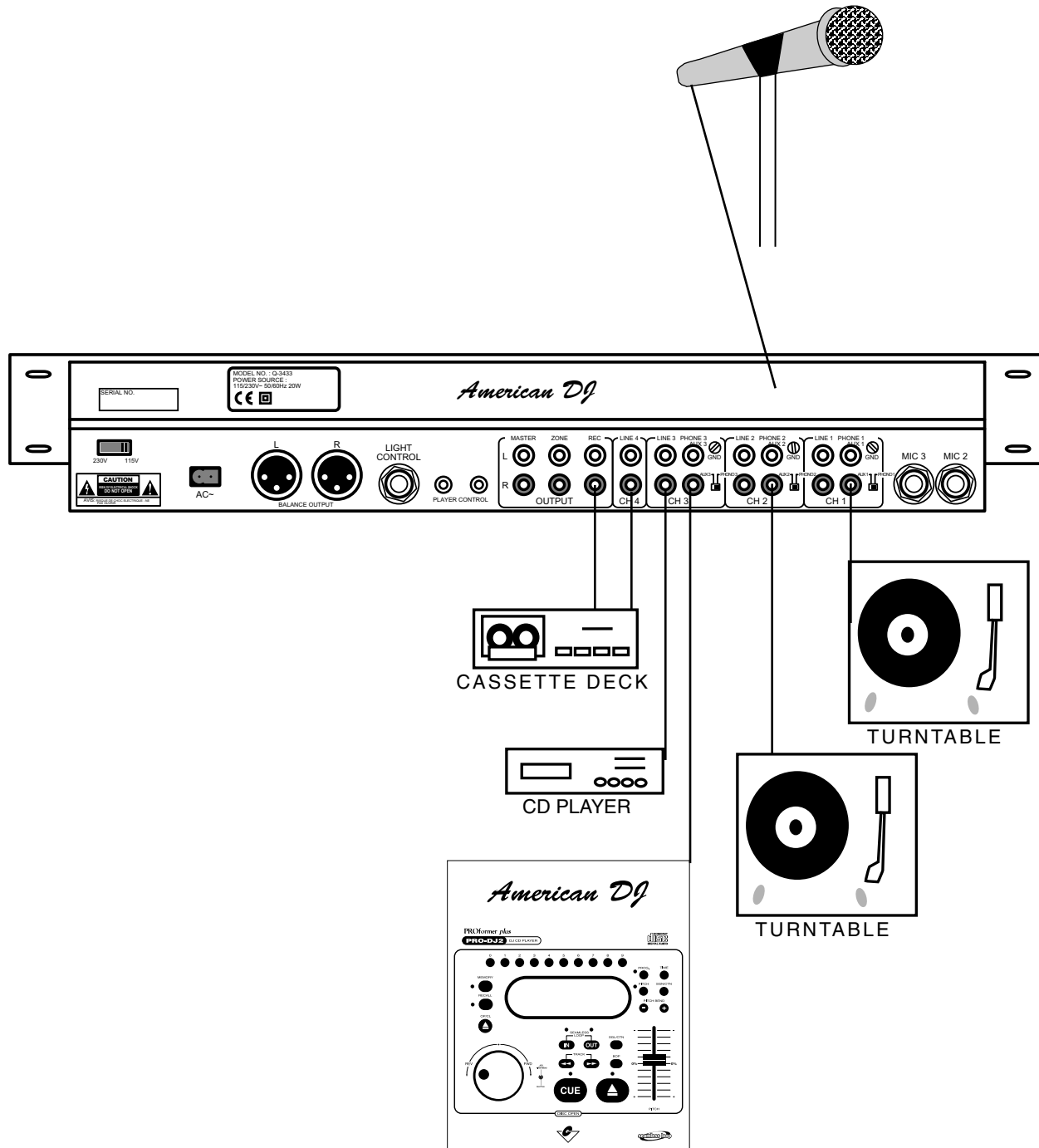
Connect a microphone to any of the three available **MIC INPUT JACKS (7, 50, & 51)**.

You can connect up to 3 turntables using the **PHONO 1 (38)**, **PHONO 2 (37)**, or **PHONO 3 (35)** RCA jacks on the rear panel. The mixer will only accept turntable level signal if the **LINE LEVEL SWITCHES (36, 39, & 48)** are in the "PHONO" position.

Connect your tape recorder, tuner, sound effects, CD player, and cassette decks etc. to the RCA **LINE LEVEL INPUT JACKS (34, 46, 47, & 49)** on the rear panel. CD players, cassette decks and other line level instruments may also be connected to the **PHONO RCA JACKS (35, 37, & 38)** as long as the **LINE LEVEL SWITCHES (36, 39, & 48)** are in the "AUX" position.

SET-UP INSTRUCTIONS

Typical Mixer Set-Up (Inputs)



This image details a typical DJ Set Up consisting of a microphone, turntables, CD players, and a tape deck.

Note: Turntables can only be connected to the **PHONO LEVEL RCA JACKS (35, 37, & 38)**. Be sure the **LINE LEVEL SELECTOR SWITCHES (36, 39, & 48)** are in the "PHONO" position when using turntables.

Typical Stereo Set-Up (Output)

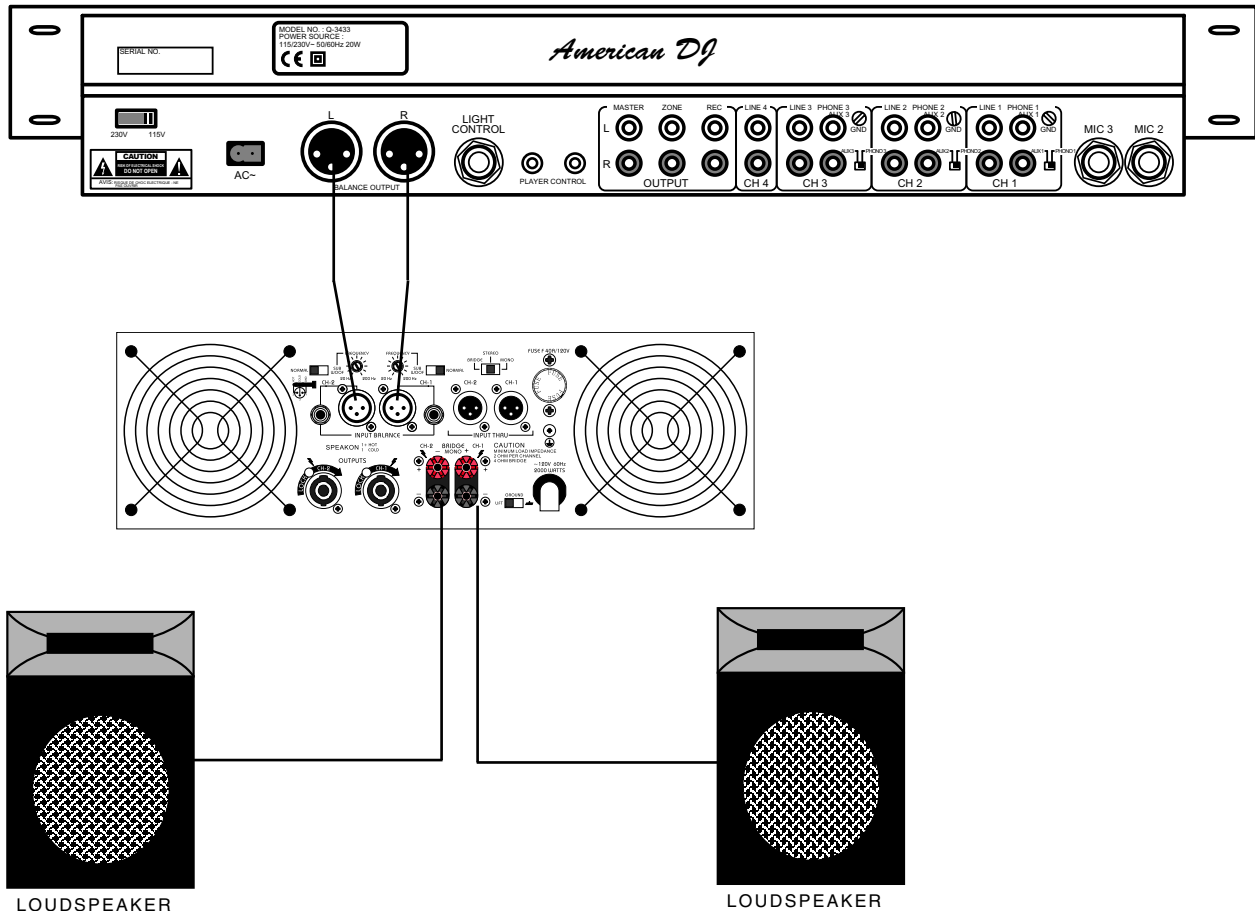


Figure 9

Typical Balanced Output Set-up

This image details a typical stereo output layout. Note the use of the Balanced XLR Jacks on both the mixer and the amplifier. Always use the balanced output jacks whenever possible. The balanced output jacks should always be used for cable runs in excess of 10 feet.

Using the balanced jacks will ensure a clean signal through out the entire audio system.

OPERATING DETERMINATIONS

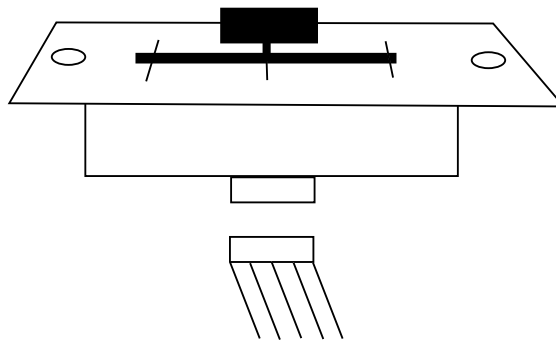
Operating Determinations

When installing this mixer, please make sure that the device is not exposed to extreme heat, moisture or dust! There should not be any cables lying around. Doing so endangers you as well as others. Do not operate the mixer in extremely hot (more than 30°C/100°F) or extremely cold (less than 5°C / 40°F) surroundings. Keep away from direct sunlight and heaters.

Operate the mixer only after becoming familiar with its functions. Do not permit operation by persons not qualified for operating the mixer. Most damages are the result of unprofessional operation!

Never use spray cleaners to clean the faders! Never use solvents or abrasive detergents to clean the mixer! It is recommended that you use a soft damp cloth. Please consider that unauthorized modifications on the device are forbidden due to safety reasons!

CROSSFADER REPLACEMENT INSTRUCTIONS



The crossfader is "Hot Swappable" which means it may be replaced at any time, even when power is applied. Only replace with American Audio Part Feather Fader Plus. Replacing with any other model fader may seriously damage your unit.

Replacing the Crossfader

1. Disconnect the mixers main power supply
2. Using a number two Phillips screw driver, unscrew the each of the stainless steel retain screws that hold the crossfader in place.
3. Gently remove the crossfader from its seated position. You may need to wiggle the crossfader slightly to remove it.
4. After removing the crossfader, disconnect the ribbon cable that attaches the crossfader to the PC board. Grasp the crossfader by its base and pull the ribbon cable by its connector not the actual cables. The connector is designed to only fit one way, so don't worry about the connectors orientation.
5. Connect the new crossfader to the ribbon cable and replace in reverse order.

TECHNICAL SPECIFICATIONS

Technical Specifications - Model Q-3433/SX

Model:	Q-3433/SX, 4 Channel Mixer
Power supply:	AC 115/230V, 50/60Hz switchable
Dimensions:	19" W x 10.75" D x 3.5" H - 6 Rack Spaces
Weight:	8 lbs. / 3.5 kg
Crossfader:	Low grounding impedance crossfader - FF-Plus
Power Consumption:	5W typical, 7W w/ full headphone output
Headphone impedance:	16 Ohms

Input Sensitivity (Level/Impedance): Note: 0dBV (1Vrms) Output, Crossfader off.

Line:	-14 dBV (200mV) / 12K Ohm \pm 3dB
Microphone:	-53 dBV (1.2mV) / 3K Ohms \pm 3dB
Phono:	-49 dBV (2.8mV) / 47K Ohms \pm 3dB
Aux:	-14 dBV (200mV) / 47K Ohms \pm 3dB

Output Sensitivity (Level/Impedance): Note: 0dBV (1Vrms) Output, Crossfader off.

Rec Out (RCA):	-10dBV (316mV) / 1K Ohms \pm 3dB
Master Out (RCA):	0dBV (1V) / 560 Ohms \pm 3dB
Master Out (XLR):	0dBV (1V) / 470 Ohms \pm 3dB
Phones (Load=32 Ohms):	-2dBV (0.4V) / 33 Ohms, PGM IN \pm 3dB -7dBV (0.4V) / 33 Ohms, CUE IN \pm 3dB

Maximum Output (Load + 47K, THD = 5%)

Rec:	< 18dBV (8V)
Master (RCA):	< 18dBV (8V)
Master (XLR):	< 18dBV (8V)
PHONES (Load=32 ohms):	< 4.6dBV (1.7V)

Channel Balance: Within 3dB

Frequency Response:

Line:	20Hz - 20KHz, \pm 1.5dB
Phono:	20Hz - 20KHz, \pm 1.5dB (RIAA)
Aux:	20Hz - 20KHz, \pm 1dB
Microphone:	20Hz - 20KHz, +1,-3dB

THD - Total Harmonic Distortion (1Khz, 0dBV Output):

Master Output (Load = 47K Ohms):	Less than 0.2%
Phono: (Load = 32K Ohms):	Less than 0.3%

Cross Talk: < 45dB @ 0dB, 1Khz between left and right channels

Channel Equalizer:

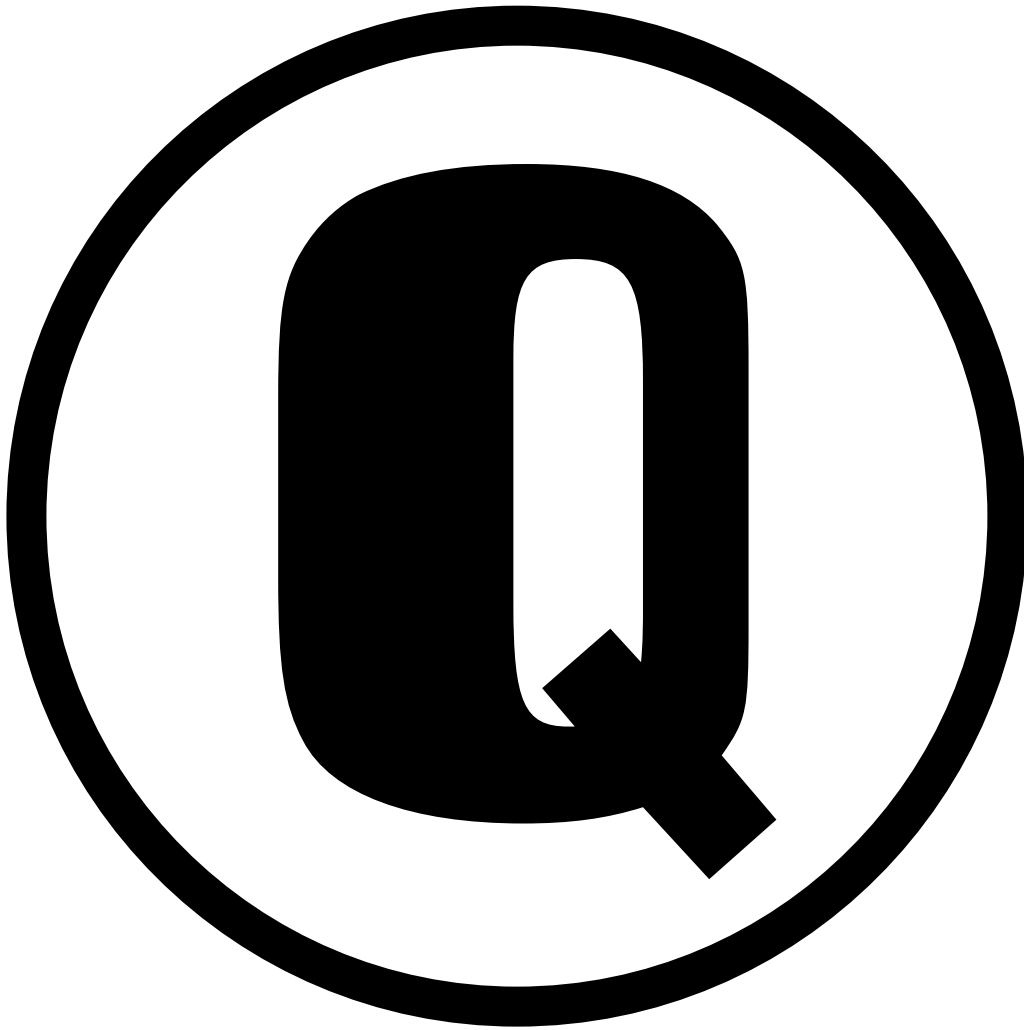
Bass =	+15/-35 \pm 2dB at 70Hz
Mid =	+15/-35 \pm 3dB at 1KHz
Treble =	+15/-35 \pm 2dB at 13KHz

Phones Bass Cut: -25dB \pm 3dB at 70Hz

Warranty & Service:

The Q-3433/SX has a 2-year limited warranty. Please mail in warranty card as soon as possible to validate your warranty.

For any service related issues please contact American DJ customer support at (800) 322-6337, Monday through Friday 9:00 am to 5:00 pm Pacific Standard Time, or contact us on the web at support@americandj.com.



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