Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with manufacturer’s instructions.
8. Do not install near any heat sources such as radiators, registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord and plug from being walked on or pinched particularly at plugs, convenience receptacles, and the point where it exits from the apparatus.
11. Only use attachments & accessories specified by Rane.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. The plug on the power cord is the AC mains disconnect device and must remain readily operable. To completely disconnect this apparatus from the AC mains, disconnect the power supply cord plug from the AC receptacle.
16. This apparatus shall be connected to a mains socket outlet with a protective earthing connection.
17. When permanently connected, an all-pole mains switch with a contact separation of at least 3 mm in each pole shall be incorporated in the electrical installation of the building.
18. If rack-mounting, provide adequate ventilation. Equipment may be located above or below this apparatus, but some equipment (like large power amplifiers) may cause an unacceptable amount of hum or may generate too much heat and degrade the performance of this apparatus.

**WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

**Warning**

To reduce the risk of electrical shock, do not open the unit. No user serviceable parts inside. Refer servicing to qualified service personnel.
The symbols shown below are internationally accepted symbols that warn of potential hazards with electrical products.

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

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

These stickers are located on the bottom of the mixer.

**WARNING:** This product may contain chemicals known to the State of California to cause cancer, or birth defects or other reproductive harm.
FCC Statement
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/TV technician for help.

CAUTION: Changes or modifications not expressly approved by Rane Corporation could void the user’s authority to operate the equipment.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

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Check List
These items are included in the box:
- 1 Sixty-One Mixer.
- Serato DJ software and drivers install disc.
- 2 (two) control CDs.
- 2 (two) control records.
- 1 USB cable.
- IEC C5 line cord.
- Serato DJ Software Manual.
- This Sixty-One Mixer Manual.

Wear Parts
The Sixty-One Mixer contains no wear parts. The control vinyl records and CDs are wear parts as described in "Limited Warranties" on page 26.
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Quick Start: Software
Before using your Sixty-One, at least read this short section for the basics. Read the complete manual to get the best investment from your new Sixty-One. This section will help get you started with one computer.

Serato DJ Software Installation for Mac OSX
Before installing, we recommend you check for a newer version of Serato DJ at serato.com/downloads and install the latest Serato DJ version if it is newer than the version on the CD-ROM that comes with your mixer.

1. Insert the Serato DJ Installer CD-ROM that came with your unit,
   -or-
   browse using Finder to the location where the Serato DJ download was saved.
2. Double click the Serato DJ .dmg installer file.
3. The software EULA screen will appear - read the License Agreement, then click Agree.
4. The disk image mounts and opens the actions folder, once this is finished you can unmount the disk image and launch Serato DJ.
5. Drag the Serato DJ application icon to the Applications folder alias.
6. You may then need to enter your User Password to authenticate.
7. Serato DJ will now copy to the Applications folder, once this is finished you can unmount the disk image and launch Serato DJ.

Serato DJ Software Installation for Windows
Before installing, we recommend you download and install the latest Serato DJ version from serato.com if it is newer than the version on the CD-ROM that comes with your mixer.

1. Insert the Serato DJ Installer CD-ROM that came with your unit,
   -or-
   browse using Windows Explorer to the location where the Serato DJ download installer was saved.
2. Double click the Serato DJ .exe installer file.
3. Accept the Security Warning and click “Run”.
4. The installer introduction screen will appear, click Next.
5. Read the License Agreement, then tick “I agree to the license terms and conditions,” then click Install.
6. If a User Account Control window appears, click Yes.
7. Serato DJ will now perform a standard installation.
8. The installation is now complete. You can now click Close.
NOTE: A shortcut will be also be created on desktop.

When you first connect your Sixty-One Mixer via USB, you may see a request to install drivers. Accept the request and allow the driver installation to proceed. After drivers are installed, a Sixty-One control panel will be available, and your software will recognize the Sixty-One.

After Serato DJ is installed, you will be prompted to “Install Driver” in the Online Panel if you connect a new compatible device that has not already had its driver installed.

Serato Scratch Live
Your Sixty-One is also completely compatible with Serato Scratch Live. You may connect to a laptop that has either program installed. If you would like to continue using Scratch Live, you can download the Sixty-One Manual for Serato Scratch Live at either serato.com or dj.rane.com.
Quick Start: Hardware

This guide will help you get your decks connected and music playing. Leave the power off until your decks and amplifiers are connected.

Analog Inputs

1. Connect your Left deck’s RCA cables to ANALOG INPUT 1.
   - If it’s a CD player, select CD with the switch above the input jacks.
   - If it’s a turntable, select PH (Phono) with the switch above the input jacks. Secure the ground wire to a Phono Ground terminal.

2. Set the SOURCE selector for DECK 1.
   THRU 1 plays directly from your deck.
   To play from the Left Virtual Deck in Serato DJ or Scratch Live, choose 1.

3. Connect your Right deck’s RCA cables to ANALOG INPUT 3.
   - Select CD or PH as in step 1.

4. Set the SOURCE selector for DECK 2.
   THRU 3 plays directly from your deck.
   To play from the Right Virtual Deck in Serato DJ or Scratch Live, choose 2.
Analog Outputs

- **Main Out** is on a pair of balanced ¼˝ TRS (tip-ring-sleeve) jacks.
- **Session Out** is available on a pair of unbalanced RCA jacks.
- **Headphones** output mix is available on both ¼˝ and 3.5 mm jacks.

The Main and Session outputs arrive from the same “Main Mix” signal. Main and Session outputs each have their own LEVEL control. Because all signals are identical, you may use either of these outputs as the “Main” output if a different cable type is required to your amplifiers. Rane recommends balanced ¼˝ TRS (tip-ring-sleeve) cables for the strongest signal and rejection of hum and noise. If your cable to the destination is less than 10 feet (3 meters), you can often get away with an unbalanced cable. See the RaneNote “Sound System Interconnection” at rane.com for cable wiring recommendations.

Quick Start: Operation

**USB Control Source**

The default Inputs for decks performing Digital Vinyl Simulation (DVS) are Inputs 1 and 3, but you can change this. Analog Input 1 or 2 may be selected in Serato DJ or Scratch Live software as the DVS signal for the Left Virtual Deck. Analog Input 3 or 4 may be selected in software as the DVS signal for the Right Virtual Deck.

To select the control sources in Serato DJ, click the SETUP button at the top of the screen. In the Audio tab, verify that Control Source > PGM 1 is set to “1”. This will be your Left Virtual Deck. verify that Control Source > PGM 2 is set to “3”. This will be your Right Virtual Deck.

To select the control sources in Scratch Live, click the SETUP button at the top of the screen. In the Hardware > General tab, verify that Control Source > PGM 1 is set to “1”. This will be your Left Virtual Deck. verify that Control Source > PGM 2 is set to “3”. This will be your Right Virtual Deck.

**Calibrating Serato DJ for Control Vinyl or CD**

Since Serato DJ is controlled by an analog signal, there is no guarantee of what state that signal will be in by the time the software gets to interpret it. Therefore, Serato DJ needs to be able to handle a wide range of signals, and be configurable to use them optimally. Calibrating is just configuring the software to your situation. Calibration is equally important for both vinyl and CD users of Serato DJ.

There are two parts to the Serato DJ Control Vinyl: The directional tone, and the NoiseMap™. Listening to the control vinyl, the directional tone is the 1 kHz tone. The noise map sounds like random noise over the top of the tone. The directional tone provides the current speed and direction of the record, while the noise map tells the software precisely where on the record the needle is currently.

The Noise Sensitivity slider lets you adjust the noise threshold. A threshold is a lower limit, below which a process will not occur. In the case of Serato DJ, the noise threshold is the limit below which the input signal will not be interpreted as control signal; in other words if it’s below the threshold, it is considered noise and ignored.

This setting is necessary because a stylus is very sensitive, and will inevitably pick up noise from the environment as well as the signal on the record, especially in the noisy environment of a live show.
How To Calibrate Serato DJ

With music playing in the background through your system or booth output, put your needle on the record with the turntable stopped. If you are using CD players, the same rules apply. Have the CD deck paused or stopped while calibrating.

Click and hold the estimate button until the slider stops moving. Moving the Noise Sensitivity slider to the left will make Serato DJ more sensitive to slow record movement, but also more sensitive to background noise.

Repeat the process for each deck.

Things to remember:
• Your needle must be on the record.
• Your turntable (or CD player) must be stationary.
• The background music playing must be at a similar level to which you will play your set at.
• Calibrate Serato DJ every time you play.

TIP: If the slider jumps to the far right, then you have a problem with noise in your turntables/CD players/mixer. Check all your connections and make sure your equipment is well earthed. In some situations you will not be able to improve the signal quality, and you will have to play on regardless. In this situation, stick to rel mode.

The Scopes

The scopes on the setup screen in Serato DJ display the input signal as a phase diagram. The key factors to look at on the scope display are crisp clean lines, round shape, and the tracking percentage in the lower right corner.

Start both turntables or CD players. You will see green rings appear in the scope view, as shown above. For optimal performance the inner ring should be as close to circular as possible. Use the scope zoom slider to zoom in or out as necessary. Use the scope L/R balance and P/A balance controls to adjust the shape of the inner ring. The number in the top left corner of the scope view gives the current absolute position within the control record or CD. The number in the top right corner is the current speed in RPM. In the bottom left is the current threshold setting, and the number in the bottom right shows percentage of readable signal – this number should be close to 85% when your system is calibrated properly.

For complete software operating instructions, see the Serato DJ Manual.
Sixty-One Overview

- Includes Serato DJ software.
- Includes Rane ASIO and Core Audio Drivers for Serato DJ and other audio programs.
- The USB 2.0 port supports six stereo record and four stereo playback channels.
- Record channels support:
  - Control signal for two Virtual Decks.
  - Record Deck 1 and Deck 2 post-fader.
  - Recording the Main Mix or the Mic.
  - FlexFx USB Insert Send to a computer.
- Playback channels support:
  -Playback for two Virtual Decks.
  - USB Aux playback for the SP-6 sample player.
  - FlexFx USB Insert Return from computer.
- 32-bit floating-point audio, 48 kHz sample rate.

This switchable Mic or Line level input has 2-band full-cut tone controls. The Mic can route to FlexFX or record to a USB output.

FlexFX are stackable:
- External Insert engages the external analog Effects Loop.
- Aux Insert engages software effects through USB, can be Serato FX or any VST / AU effects.

Aux Input is from the USB playback stereo pair 5-6, usually from the Serato SP-6 sample player. You can apply FlexFX to samples.

The FlexFx Loop can create a sub-mix with any combination of the two Program buses, Mic, and Aux feed, and then add external software and hardware effects. This submix may be recorded via the USB Send, or output by the analog FlexFx Loop Send.

The Crossfader and channel faders are no-noise, no-bleed, no-contact magnetic faders.
Sixty-One Connections

Power Supply
This mixer features an internal universal switching power supply that operates on any AC mains 100 to 240 VAC, 50 or 60 Hz (most places in the world). The universal supply is a major plus for the traveling DJ, who only needs the right IEC line cord, available from a local electronics store. Though this mixer has turn on/off muting, it’s smart to leave the power unplugged until everything else is connected.

Analog Inputs
Four Phono / CD inputs are provided by RCA jacks. These may be set for PH or CD using rear panel slide switches. Analog inputs 1 and 2 are used by the DECK 1 controls. Analog inputs 3 and 4 are used by the DECK 2 controls. Analog input 1 or 2 may be selected in Serato DJ software (Audio tab in the Setup screen) as the Digital Vinyl Simulation (DVS) signal for the Left Virtual Deck or for recording on USB stereo pair 5-6. Analog input 3 or 4 may be selected in software as the DVS signal for the Right Virtual Deck or for recording on USB stereo pair 7-8. Set any unused inputs to CD. Connect your turntable ground wires to the ground posts provided on the rear panel when using PH inputs.

One stereo Session Input is available on a pair of RCA jacks. This input may connect two mixers together, or as a general purpose line-level auxiliary input.

The Mic Input will accept an XLR 3-pin plug, a balanced ¼” TRS (tip-ring-sleeve) plug or an unbalanced ¼” TS (tip-sleeve) plug. This input may be set for Microphone or Line level using the Mic / Line switch on the rear panel. Set this to LINE when connecting a wireless receiver.

A stereo FlexFx Loop Return input is from a pair of unbalanced ¼” TS jacks. These inputs are automatically configured for mono when only one cable is connected to the Left or Right Return input. The FlexFx Return input is normally used in conjunction with the FlexFx Send output to connect an outboard effects processor.

Analog Outputs
There are four stereo analog outputs on the mixer:
• Main Out is on a pair of balanced ¼” TRS (tip-ring-sleeve) jacks.
• Session Out is on a pair of unbalanced RCA jacks.
• FlexFx Loop Send output is on a pair of unbalanced ¼” inch TS (tip-sleeve) jacks. For a mono FlexFx Send, use the Left output. The FlexFx Send output is normally used in conjunction with the FlexFx Loop Return input to connect outboard effects.
• Headphones output is available on both ¼” and 3.5 mm jacks.

The Main and Session outputs come from the same “Main Mix” signal. Main and Session outputs each have their own Level control. Because these signals are identical, you may use either of these outputs as the “Main” output if the other cable type is required for system connection. That said, Rane recommends ¼” TRS (tip-ring-sleeve) cables for the strongest signal and rejection of hum and noise. If your cable to the amplifiers are less than 10 feet (3 meters), you can often get away with an unbalanced cable. See the RaneNote “Sound System Interconnection” at rane.com for cable wiring recommendations.
USB Audio
There are six stereo record channels and four stereo playback channels, plus a stereo channel for effects send from the mixer.

Rane ASIO and Core Audio drivers allow the Sixty-One to act as a 12-record 8-playback USB sound card for use with Serato DJ and third-party software applications that support ASIO or Core Audio. ASIO and Core Audio drivers are multi-client, meaning they allow multiple applications on a computer to share the device at the same time.

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Deck Input Channels

Two Deck channels, or busses, have nearly identical controls with the exception of the Source selectors.

**Source Selector**
The **SOURCE** selector for Deck 1 selects one of four sources:
- **PH / CD 1 (THRU)**: Set to PH or CD with the rear panel switch.
  - When selected in software, this input is available on USB record 5-6 for use as the DVS control signal or for audio recording.
- **PH / CD 2 (THRU)**: Set to PH or CD with the rear panel switch.
  - When selected in software, this input is available on USB record 5-6 for use as the DVS control signal or for audio recording.
- **Left Virtual Deck 1** (USB stereo playback 1-2).
- **Right Virtual Deck 2** (USB stereo playback 3-4).

The **SOURCE** selector for Deck 2 selects one of four sources:
- **PH / CD 3 (THRU)**: Set to PH or CD with the rear panel switch.
  - When selected in software, this input is available on USB record 7-8 for use as the DVS control signal or for audio recording.
- **PH / CD 4 (THRU)**: Set to PH or CD with the rear panel switch.
  - When selected in software, this input is available on USB record 7-8 for use as the DVS control signal or for audio recording.
- **Left Virtual Deck 1** (USB stereo playback 1-2).
- **Right Virtual Deck 2** (USB stereo playback 3-4).

**Level**
The **LEVEL** controls adjust the input gain from off to +15 dB. Unity gain (no boost or cut) is at 12 o’clock.

**Pan**
The **PAN** controls adjust the balance of left and right signals. Left and right are equal at 12 o’clock.

**Tone Controls**
The **HIGH**, **MID** and **LOW** full-cut tone controls adjust the frequency response from off to +6 dB. Unity gain (no boost or cut) is at 12 o’clock.
Filter
The FILTER sweeps from Low-Pass to High-Pass. Set to 12 o'clock for a flat frequency response. Moving the filter toward the LOW position progressively reduces high-frequencies. Moving the filter toward the HIGH position progressively reduces low-frequencies. The Resonance or Q of the Filter can be adjusted in the Device Control Panel.

FlexFx
The FLEXFX button assigns a Deck channel to the FlexFx bus where external analog (with the ANALOG INSERT button) or software effects via USB (with the INSERT button) may be inserted, such as Serato DJ Izotope FX.

The FlexFx loop allows any combination of DECK 1, DECK 2, MIC or AUX to be assigned to external analog effects or software effects via USB.

The DRY / WET pan control lets you set the amount of FlexFx in the Main Mix. DRY equals no effect, WET gives maximum effect.

Headphone Cues
Headphone CUE assigns a signal to the headphone monitor. Headphone Cue controls operate as solo or radio-button controls. This means engaging a headphone Cue turns all the other headphone Cue controls off. You can select more than one at a time by simultaneously pressing more than one CUE button.

Channel Faders & Crossfader
These faders use magnetic non-contact mechanisms with no noise and no bleed. Each fader has REVERSE and CONTOUR controls.

Channel Meters
Each Deck channel has a mono meter to assist in setting levels. These meters are quasi-peak with peak hold. The goal is to stay out of the red.

The best method is to bring up a Deck fader all the way, then adjust the channel LEVEL control so that red flashes are rare to none.

Mute Switches
These joysticks provide quick program mute, much like transform switches on the other mixers. The signal is ON in the straight-up position, a push in any direction kills the signal.

AUX
This digital input is on USB playback stereo pair 5-6 and is normally used for the Serato DJ SP-6 sample player. This AUX input has its own LEVEL, FLEXFX assign and CUE.

See the Serato DJ Manual SP-6 section for how to assign samples to this input.
Mic Input
This Mic input on a XLR/TRS combo jack has LEVEL, HIGH and LOW tone controls, FLEXFX assign and a meter. Select MIC or LINE level using the rear panel switch. LINE is usually correct for wireless mic receivers. The Mic is OFF when the LEVEL control is at “0”.

Session In and Out
The SESSION IN has its own LEVEL control and may be used as a general purpose analog RCA jack AUX input.

The SESSION OUT has its own LEVEL control and may be used as a general purpose RCA jack Main Mix output.

SESSION IN and SESSION OUT are typically used to chain mixers together.

Main Out
The Main outputs have a Level control and a quasi-peak stereo meter with peak hold.

Headphones
The Headphone monitor provides stereo or mono split-cue operation.

• In Stereo operation, the PAN control pans between Stereo Cue and stereo Main Mix.

• In SPLIT CUE operation, the PAN control pans between Mono Cue in the left ear and mono Main Mix in the right ear.

• Individual CUE buttons are provided for DECK 1, DECK 2, AUX and FLEXFX.

• The Headphone Level control sets the level coming from both of the front panel 3.5 mm and ¼” output jacks.
**FlexFx**

The FlexFx Bus in the Sixty-One works differently than a typical effects insert loop. This architecture is very flexible and opens up many new possibilities not possible with simple effect insert designs found on other mixers.

The FlexFx Bus is more like an auxiliary bus that can have multiple signals assigned to it. Signals assigned to the bus may then have external analog effects and external USB effects applied in any combination. The order of processing in the FlexFx Bus is shown in the graphic below.

1. **FLEXFX** buttons for **DECK 1**, **DECK 2**, **MIC** and **AUX** assign signals to the FlexFx Bus (BRIGHT BLUE) or the Main Mix (dim blue). This allows assigning multiple inputs to the FlexFx Bus and/or changing the assignment without interrupting audio.

2. **ANALOG INSERT** is turned on/off with a separate button. The external analog insert can be used with the **INSERT** or independently. **NOTE:** If no external connection is made to the **FLEXFX LOOP RETURN** jack, the signal will be interrupted when the **ANALOG INSERT** button is turned on.

3. The **INSERT** is turned on/off with a separate button, used with the **ANALOG INSERT** or independently. The **INSERT** uses USB record pair 9-10 for the Send, and USB playback pair 7-8 for the Return. Using the **INSERT** generally requires a low latency setting. Adjust latency in the "Driver Control Panel" on page 16.

   **NOTE:** Assign a Deck channel or signal to **FLEXFX** before engaging the **INSERT** button to avoid audible artifacts.

4. The FlexFx **CUE** is after the analog external insert, USB insert and before the **WET / DRY** control. This allows cueing a Wet signal while listening to the Dry signal before fading up to Wet.
Driver Control Panel

ASIO (Windows)
The Sixty-One comes with a low-latency ASIO device driver on the installation CD to interface with Serato DJ and other 3rd-party software applications on Windows operating systems. Multi-client ASIO allows different audio software applications to simultaneously stream audio to and from the Sixty-One. If the same playback channel is selected in more than one application, the driver mixes the audio from the applications before streaming it to the device. The driver Control Panel may be launched from the Windows Control Panel. Select Start > Control Panel > Rane Sixty-One. It can also be launched from within Serato DJ in the Audio tab of the Setup screen.

Core Audio (Macintosh)
The Sixty-One uses a low-latency Core Audio device driver on the installation CD to interface with Serato DJ and other 3rd-party software applications on Macintosh operating systems. Core Audio allows audio software applications to simultaneously stream audio to and from the Sixty-One. To launch the Sixty-One driver Control Panel, open the System Preferences window. Locate the Sixty-One in the “Other” section and click the Sixty-One icon.

NOTE: Settings are saved in the mixer. The control panel for Windows or Macintosh is updated with the mixer’s settings. Therefore, when you connect to a different Sixty-One Mixer, it’s saved settings override your previous Control Panel settings.

The control Panel consists of three pages: Preferences, Program (Deck) Inputs 1-2, and MIDI. The current page title is in the center. To move between the pages, click the icon in the upper left-hand corner of the control panel.

Preferences page controls:

• USB-6 (11-12) Record source: Two radio buttons select the Main Mix or Mic.

• Analog Insert: +4 dBu or -10 dBV. We recommend the +4 dBu setting unless you insert a low-voltage device, in which you should use the -10 dBV setting.

• Buffer Size: The Buffer Size control allows the USB driver buffer to be increased or decreased. The Sixty-One drivers are designed to run at latencies as low 8 milliseconds. However, computer performance and available resources (number of applications running) may adversely affect the computer’s ability to stream audio reliably. If pops and clicks are heard in the USB audio, try increasing the buffer size to eliminate them. With ASIO, total round-trip latency is equal to Buffer Size plus device latency. With Core Audio, total round-trip latency is equal to Buffer Size plus software application buffer latency, plus device latency. Device latency is 2.26 ms.

• Update Device Firmware: This panel indicates the firmware version currently installed in the Sixty-One. If the Sixty-One firmware installed on your computer is newer than the firmware in your Sixty-One, the Update Device Firmware panel is enabled. Pressing the Update Firmware button updates the Sixty-One firmware to the newer version.
Deck Inputs 1-2 Page Controls:
Each Deck panel controls these functions:

- **Analog Input Source**: Each input may be set to Line level (CD) or Phono level (PH) using a switch on the rear of the mixer. PH/CD 1 and PH/CD 2 are associated with Deck 1. PH/CD 3 and PH/CD 4 are associated with Deck 2. The control panel shows the input mode selected on the mixer for each of the four inputs. The mode can only be changed on the mixer.

- **Phono Sensitivity**: If Phono input is selected on the mixer, the Phono Sensitivity control appears. Clicking the down-arrow displays a list of 16 sensitivity settings between 2.5 mV and 10 mV in 0.5 mV steps. Set the Phono Sensitivity to the same level of your cartridge (see your cartridge documentation for the correct value). Another method is to match the level of a CD on another input.

- **Filter Resonance**: Each channel of the Sixty-One has a Filter knob that provides both High- and Low-Cut filtering. Filter resonance controls the “peak” of the filter cutoff frequency. The Low setting provides the smoothest Filter without adding gain. The High setting adds accent to frequencies near the Filter cutoff point by adding about 12 dB of gain. Adding gain in a narrow region around the cutoff frequency adds a “zip” effect to audio as the Filter is swept. The default resonance is 5 dB.

- **USB-3 (5-6) Record Source**: This control allows users to select one of two analog sources as the vinyl emulation or USB record source for Deck 1. The two radio buttons allow the user to select PH/CD 1 or PH/CD 2. The post-Deck 1 fader signal is always available for recording on USB 1 (1-2) record.

- **USB-4 (7-8) Record Source**: This control allows selecting one of two analog sources as the vinyl emulation or the USB record source for Deck 2. The two radio buttons allow the user to select PH/CD 3 or PH/CD 4. The post-Deck 2 fader signal is always available for recording on USB 2 (3-4) record.

MIDI Configuration Page:
This page has a panel to configure the MIDI Out Port and another to configure the MIDI In Port. MIDI In and MIDI Out may be set to any channel between 1 and 16 or OFF. If MIDI In or Out are not being used, set them to OFF. MIDI Out defaults to Channel 1 and MIDI In defaults to OFF. See “MIDI Mapping” on page 18.

Factory Defaults
To reset the Sixty-One’s Record/Control Sources, Phono Sensitivity and Filter Resonance to defaults:

1. Power off the Sixty-One.
2. Push both FLEXFX buttons at the same time.
3. While holding these buttons down, power on the Sixty-One.
4. Immediately after fading up, the FLEXFX lights flash one time, indicating a successful reset.

**NOTE**: Settings are saved in the mixer. Software is updated with the mixer’s settings.
MIDI Mapping

When using Serato DJ software, the mixer is plug-and-play with all required MIDI mapping done for you. For advanced users or users using 3rd party DAWs, it is possible to custom MIDI-map most mixer controls on the Sixty-One.
**MIDI Implementation**

Serato DJ MIDI Control only supports:

- Note On/Off
- Standard 7-bit CC (Control Change)

**MIDI Note ON/OFF Chart**

Note on/off MIDI controls are associated with mixer functions and restricted to MIDI out only. A user is unable to control mixer functions via MIDI and is unable to change the color or intensity of an LED under one of these mixer controls. Users are able to use MIDI out messages from these controls to trigger or control software functions.

<table>
<thead>
<tr>
<th>Note #</th>
<th>Hex #</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>0x04</td>
<td>FlexFx Cue</td>
</tr>
<tr>
<td>17</td>
<td>0x11</td>
<td>Channel Swap</td>
</tr>
<tr>
<td>24</td>
<td>0x18</td>
<td>USB AUX FlexFx</td>
</tr>
<tr>
<td>26</td>
<td>0x1A</td>
<td>Deck 1 Mute Toggle</td>
</tr>
<tr>
<td>27</td>
<td>0x1B</td>
<td>Deck 2 Mute Toggle</td>
</tr>
<tr>
<td>31</td>
<td>0x1F</td>
<td>USB Insert</td>
</tr>
<tr>
<td>34</td>
<td>0x22</td>
<td>Mic FlexFx</td>
</tr>
<tr>
<td>35</td>
<td>0x23</td>
<td>Deck 1 Fader Reverse</td>
</tr>
<tr>
<td>36</td>
<td>0x24</td>
<td>Deck 2 Fader Reverse</td>
</tr>
<tr>
<td>37</td>
<td>0x25</td>
<td>Crossfader Reverse</td>
</tr>
<tr>
<td>56</td>
<td>0x38</td>
<td>Split Cue</td>
</tr>
<tr>
<td>59</td>
<td>0x3B</td>
<td>Deck 1 Mute Press</td>
</tr>
<tr>
<td>60</td>
<td>0x3C</td>
<td>Deck 2 Mute Press</td>
</tr>
<tr>
<td>67</td>
<td>0x43</td>
<td>Deck 2 FlexFx</td>
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<tr>
<td>68</td>
<td>0x44</td>
<td>Deck 1 FlexFx</td>
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<tr>
<td>69</td>
<td>0x45</td>
<td>Deck 1 Cue</td>
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<tr>
<td>70</td>
<td>0x46</td>
<td>Deck 2 Cue</td>
</tr>
<tr>
<td>77</td>
<td>0x4D</td>
<td>USB Aux Cue</td>
</tr>
<tr>
<td>91</td>
<td>0x5B</td>
<td>Ext. Insert</td>
</tr>
</tbody>
</table>
**MIDI Control Change Chart**

MIDI control changes initiated by the mixer are dedicated to mixer functions and read only. MIDI out messages may be used to trigger or control external software functions. The mixer can receive MIDI in control changes for USB record sources, phono sensitivity and HP/LP filter resonance.

See the control panel graphics on the preceding page.

Functions highlighted in **RED** are MIDI-Out Mixer controls.

Functions highlighted in **GREEN** are MIDI-In Mixer controls from the software control panel.

<table>
<thead>
<tr>
<th>Control #</th>
<th>Hex #</th>
<th>Function</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0x00</td>
<td>Crossfader</td>
<td>0-127, 0x00-0x7F</td>
</tr>
<tr>
<td>2</td>
<td>0x02</td>
<td>Deck 1 Contour</td>
<td>0-127, 0x00-0x7F</td>
</tr>
<tr>
<td>3</td>
<td>0x03</td>
<td>Deck 2 Contour</td>
<td>0-127, 0x00-0x7F</td>
</tr>
<tr>
<td>4</td>
<td>0x04</td>
<td>Deck 1 Left-Right Pan</td>
<td>0-127, 0x00-0x7F</td>
</tr>
<tr>
<td>5</td>
<td>0x05</td>
<td>Deck 2 Left-Right Pan</td>
<td>0-127, 0x00-0x7F</td>
</tr>
<tr>
<td>7</td>
<td>0x07</td>
<td>USB Aux Level</td>
<td>0-127, 0x00-0x7F</td>
</tr>
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<td>21</td>
<td>0x15</td>
<td>Analog 1 Phono Sensitivity</td>
<td>Value, Hex, Sensitivity (mV), dB</td>
</tr>
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<td></td>
<td></td>
<td>0</td>
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<td>15</td>
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<td>22</td>
<td>0x16</td>
<td>Deck 1 Filter Resonance</td>
<td>0-127, 0x00-0x7F, Low to High Resonance</td>
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<tr>
<td>23</td>
<td>0x17</td>
<td>Deck 1 Input Record Source (USB 5-6)</td>
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<td>2</td>
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<td>24</td>
<td>0x18</td>
<td>Analog 2 Phono Sensitivity</td>
<td>Same as Analog 1 Phono Sensitivity</td>
</tr>
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<td>25</td>
<td>0x19</td>
<td>Deck 2 Filter Resonance</td>
<td>0-127, 0x00-0x7F, Low to High Resonance</td>
</tr>
<tr>
<td>26</td>
<td>0x1A</td>
<td>Deck 2 Input Record Source (USB 7-8)</td>
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<td>27</td>
<td>0x1B</td>
<td>Analog 3 Phono Sensitivity</td>
<td>Same as Analog 1 Phono Sensitivity</td>
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<tr>
<td>30</td>
<td>0x1E</td>
<td>Analog 4 Phono Sensitivity</td>
<td>Same as Analog 1 Phono Sensitivity</td>
</tr>
<tr>
<td>33</td>
<td>0x21</td>
<td>Main Record Select, (USB 11-12)</td>
<td>1</td>
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<td></td>
<td></td>
<td>2</td>
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<td>63</td>
<td>0x3F</td>
<td>FlexFX Wet/Dry</td>
<td>0-127, 0x00-0x7F</td>
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<tr>
<td>65</td>
<td>0x41</td>
<td>Deck 1 LP/HP Filter</td>
<td>0-127, 0x00-0x7F</td>
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<td>66</td>
<td>0x42</td>
<td>Deck 2 LP/HP Filter</td>
<td>0-127, 0x00-0x7F</td>
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<tr>
<td>69</td>
<td>0x45</td>
<td>Session In Level</td>
<td>0-127, 0x00-0x7F</td>
</tr>
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<td>71</td>
<td>0x47</td>
<td>Deck 1 Low</td>
<td>0-127, 0x00-0x7F</td>
</tr>
<tr>
<td>72</td>
<td>0x48</td>
<td>Deck 2 Low</td>
<td>0-127, 0x00-0x7F</td>
</tr>
<tr>
<td>77</td>
<td>0x4D</td>
<td>Deck 1 Mid</td>
<td>0-127, 0x00-0x7F</td>
</tr>
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<td>Code</td>
<td>Value</td>
<td>Description</td>
<td>Range</td>
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<tr>
<td>78</td>
<td>0x4E</td>
<td>Deck 2 Mid</td>
<td>0-127</td>
</tr>
<tr>
<td>82</td>
<td>0x52</td>
<td>Mic Low</td>
<td>0-127</td>
</tr>
<tr>
<td>83</td>
<td>0x53</td>
<td>Deck 1 Fader</td>
<td>0-127</td>
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<tr>
<td>84</td>
<td>0x54</td>
<td>Deck 2 Fader</td>
<td>0-127</td>
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<td>87</td>
<td>0x57</td>
<td>Session Out Level</td>
<td>0-127</td>
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<td>0x59</td>
<td>Deck 1 Level</td>
<td>0-127</td>
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<td>90</td>
<td>0x5A</td>
<td>Deck 2 Level</td>
<td>0-127</td>
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<td>Main Level</td>
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<td>94</td>
<td>0x5E</td>
<td>Mic High</td>
<td>0-127</td>
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<td>98</td>
<td>0x62</td>
<td>Crossfader Contour</td>
<td>0-127</td>
</tr>
<tr>
<td>99</td>
<td>0x63</td>
<td>Phones Level</td>
<td>0-127</td>
</tr>
<tr>
<td>100</td>
<td>0x64</td>
<td>Mic Level</td>
<td>0-127</td>
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<tr>
<td>101</td>
<td>0x65</td>
<td>Deck 1 High</td>
<td>0-127</td>
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<td>102</td>
<td>0x66</td>
<td>Deck 2 High</td>
<td>0-127</td>
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<tr>
<td>105</td>
<td>0x69</td>
<td>Headphone Cue / Main Pan</td>
<td>0-127</td>
</tr>
<tr>
<td>112</td>
<td>0x70</td>
<td>PH/CD 1 Select</td>
<td>0x00, 0x01</td>
</tr>
<tr>
<td>113</td>
<td>0x71</td>
<td>PH/CD 2 Select</td>
<td>0x00, 0x01</td>
</tr>
<tr>
<td>114</td>
<td>0x72</td>
<td>PH/CD 3 Select</td>
<td>0x00, 0x01</td>
</tr>
<tr>
<td>115</td>
<td>0x73</td>
<td>PH/CD 4 Select</td>
<td>0x00, 0x01</td>
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<tr>
<td>116</td>
<td>0x74</td>
<td>Deck 1 Source Select</td>
<td>0x01, 0x02, 0x03, 0x04</td>
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<tr>
<td>117</td>
<td>0x75</td>
<td>Deck 2 Source Select</td>
<td>0x01, 0x02, 0x03, 0x04</td>
</tr>
</tbody>
</table>
**Magnetic Fader Maintenance**

The faders and crossfader in the Sixty-One are designed with materials highly resistant to corrosion and most chemicals. While they will handle millions of operations, they may become dirty over time. Bad things may be spilled into a fader, but in many instances the fader may not be damaged and the sound quality thus unaffected. Cleaning is only required to maintain the feel of the fader.

In order to maintain the feel of your faders, they may occasionally require cleaning and lubrication. The bearings in the fader work best with DuPont Teflon Multi-use Lubricant (part # D00040101). Make sure to follow the instructions and warnings on the bottle.

This lubricant goes on wet to deeply penetrate moving parts, but sets up with a clean, dry, long-lasting film which will not attract and absorb dirt and grime. Wet or oily lubricants may feel good at first, but will attract dirt and evaporate or become dry over time. See the fader cleaning instructions below.

**Fader Assembly Removal**
1. Remove all three fader knobs.

2. Remove all six screws holding the fader panel face plate.

3. Lift up the fader panel face plate and set it aside where it can’t get damaged.

4. Remove the two screws at each end of a fader, holding the bottom of the fader in place with your other hand.

5. Take out the fader assembly completely.

6. Note the left connector goes to the left fader, the center connector goes to the crossfader, and the right connector goes to the right fader.

7. Unplug the connectors of the white wires at the fader assembly without pulling the wires.

**Reverse this procedure to re-assemble.**

- Plug in the connector before re-installing the fader. Note the connector only will fit one way.

- Test all the faders before installing the fader panel face plate and fader knobs.

**Fader Cleaning**
1. For a light cleaning, move the carrier to one side and wipe rails with a lint-free cloth. Move the carrier to the other side and repeat.

2. If a heavier cleaning is required to remove oily lubricants or grease, first take the carrier off of the rails by removing one of the endblocks. Clean the rails using a lint-free cloth and alcohol. Use a cue-tip and alcohol to clean the carrier bearings.

3. With the fader clean, dry and assembled, add a couple of drops of Teflon Multi-use Lubricant to each rail of the fader.

4. Move the carrier back and forth to distribute lubricant.

5. Do not disturb the position of the small sensors at each end of the fader. If you accidentally do, make sure the parts are standing straight before re-installing.
Fader Calibration
After cleaning or replacement, the sensors may get moved, affecting the contour. After any fader service, perform this procedure to re-calibrate the faders and crossfader.

1. Power off the Sixty-One.

2. Move all faders to the center-most position.

3. Push down both DECK 1 and DECK 2 CUE buttons at the same time.

4. While holding these buttons down, power on the Sixty-One.

5. Immediately after fading up, the CUE lights will flash one time, indicating a successful calibration. If the CUE lights flash three times, the sensors may have moved too far, or the faders knobs may not have all been centered, and the faders cannot correctly calibrate.

Problems? Contact Rane Corporation customer service at 425-355-6000 or email us at info@rane.com. Online help is available at dj.rane.com.
## Technical Specifications

<table>
<thead>
<tr>
<th>Sixty-One Specifications</th>
<th>All specifications typical unless otherwise stated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analog Inputs</td>
<td>4 Stereo unbalanced RCA jacks</td>
</tr>
<tr>
<td>......Phono or Line level input</td>
<td>Rear panel switches for each input</td>
</tr>
<tr>
<td>......Phono Response</td>
<td>RIAA ±1 dB, Gain: 31 dB at 1 kHz</td>
</tr>
<tr>
<td>......Max Phono Input</td>
<td>126 mV</td>
</tr>
<tr>
<td>......Max Line Input</td>
<td>4 Vrms</td>
</tr>
<tr>
<td>ADCs</td>
<td>24-bit, 48 kHz; Dynamic range 101 dB A-weighted</td>
</tr>
<tr>
<td>DACs</td>
<td>24-bit, 48 kHz; Dynamic range 107 dB A-weighted</td>
</tr>
<tr>
<td>Digital Signal Processing</td>
<td>48 kHz, 32-bit floating point</td>
</tr>
<tr>
<td>USB Audio</td>
<td>Six Stereo Record, Four Stereo Playback</td>
</tr>
<tr>
<td>......Operation</td>
<td>48 kHz, 32-bit floating point</td>
</tr>
<tr>
<td>FlexFX Return</td>
<td>Stereo unbalanced ¼” TS (tip-sleeve) phone jack</td>
</tr>
<tr>
<td>FlexFX Send</td>
<td>Stereo unbalanced ¼” TS phone jack</td>
</tr>
<tr>
<td>Mic Input</td>
<td>Balanced ¼” TRS &amp; XLR combination jack</td>
</tr>
<tr>
<td>......Tone Controls</td>
<td>2-band, High and Low</td>
</tr>
<tr>
<td>......Mic-Line switch</td>
<td>Choose Line to connect wireless receiver</td>
</tr>
<tr>
<td>Line Outputs: Frequency Response</td>
<td>20 Hz to 20 kHz ±0.25 dB, Line in to Line out</td>
</tr>
<tr>
<td>......THD+N</td>
<td>&lt;0.01% re 0 dBFS, 20 to 20 kHz, 20 kHz BW</td>
</tr>
<tr>
<td>......Unbalanced jacks (RCA &amp; FlexFX)</td>
<td>Maximum 4 Vrms</td>
</tr>
<tr>
<td>......Balanced jacks (Main 1/4”)</td>
<td>Maximum 8 Vrms</td>
</tr>
<tr>
<td>Universal Power Supply</td>
<td>100 to 240 VAC, 50 Hz to 60 Hz, 15 W max</td>
</tr>
<tr>
<td>USB Power</td>
<td>Mixer is self-powered</td>
</tr>
<tr>
<td>Unit Size</td>
<td>13.3” x 10” x 4” (33.8 cm x 25.4 cm x 10.2 cm)</td>
</tr>
<tr>
<td>......Weight</td>
<td>8 lb (3.7 kg)</td>
</tr>
<tr>
<td>Shipping Size</td>
<td>7.75” H x 15” W x 19.25” D (19.7 cm x 38.1 cm x 49 cm)</td>
</tr>
<tr>
<td>......Weight</td>
<td>12 lb (5.5 kg)</td>
</tr>
</tbody>
</table>
Declaration of Conformity

Application of Council Directives:
2001/95/EC  2002/96/EC  
2004/108/EC  2006/95/EC  
2011/65/EU

Manufacturer:
Rane Corporation  
10802 47th Avenue West  
Mukilteo WA 98275-5000 USA

This equipment has been tested and found to be in compliance with all applicable standards and regulations applying to the EU's Low Voltage (LV) directive 2006/95/EC and Electromagnetic Compatibility (EMC) directive, 2004/108/EC. In order for the customer to maintain compliance with this regulation, high quality shielded cable must be used for interconnection to other equipment. Modification of the equipment, other than that expressly outlined by the manufacturer, is not allowed under this directive. The user of this equipment shall accept full responsibility for compliance with the LV directive and the EMC directive in the event that the equipment is modified without written consent of the manufacturer. This declaration of conformity is issued under the sole responsibility of Rane Corporation.

Type of Equipment: Professional Audio Signal Processing

Brand: Rane
Model: Sixty-One

Immunity Results: THD+N: 4 dBu, 400 Hz, BW 20 Hz - 20 kHz

<table>
<thead>
<tr>
<th>Test Description</th>
<th>Measurement</th>
<th>Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>RF Electromagnetic Fields Immunity</td>
<td></td>
<td></td>
</tr>
<tr>
<td>80 MHz -1000 MHz, 1 kHz AM, 80% depth, 3V/m</td>
<td>&lt;-61 dB</td>
<td></td>
</tr>
<tr>
<td>1400 MHz - 2700 MHz, 1 kHz AM, 80% depth, 3V/m</td>
<td>&lt;-61 dB</td>
<td></td>
</tr>
<tr>
<td>Conducted RF Disturbances Immunity</td>
<td></td>
<td>&lt;-71 dB</td>
</tr>
<tr>
<td>150 kHz - 80 MHz, 1 kHz AM, 80% depth, 3V rms</td>
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<td></td>
</tr>
<tr>
<td>Magnetic Fields Immunity</td>
<td></td>
<td>&lt;-67 dB</td>
</tr>
<tr>
<td>50 Hz - 10 kHz, 3.0 - 0.3 A/m</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Common Mode Immunity (Signal Ports)</td>
<td></td>
<td>Bandpass re: 4 dBu, 1/3-octave</td>
</tr>
<tr>
<td>50 Hz - 10 kHz, -20 dBu</td>
<td></td>
<td>&lt;-66 dB</td>
</tr>
</tbody>
</table>

I, the undersigned, hereby declare that the equipment specified above conforms to the Directive(s) and Standard(s) shown above.

(Signature) Greg Frederick Compliance Engineer
January 25, 2012 Mukilteo WA USA
(Restricted) (Full Name) (Position)
Limited Warranties

Factory Authorized Service
Your unit may someday need to be serviced by the Rane Factory if you live in the USA. International customers should contact your dealer or distributor for service. You must call the Rane factory before shipping. Please do not return your unit to Rane without prior authorization.

To obtain service or a Return Authorization in the USA, please phone Rane Corporation at 425-355-6000, or fax Rane at 425-347-7757.

Limited U.S.A. Warranty
RANE CORPORATION WARRANTS ALL RANE PRODUCTS (except those items classified and listed in "Wear Parts" on page 3) PURCHASED IN THE U.S. AGAINST DEFECTS IN MATERIAL OR WORKMANSHIP FOR A PERIOD OF TWO (2) YEARS. WEAR PARTS ARE LIMITED TO A PERIOD OF NINETY (90) DAYS FROM THE INITIAL DATE OF RETAIL PURCHASE FROM AN AUTHORIZED RANE DEALER—WEAR PARTS REQUIRE PROOF OF PURCHASE DATE. This limited warranty extends to all purchasers or owners of the product during the warranty period beginning with the original retail purchase. Rane Corporation does not, however, warrant its products against any and all defects:
1) arising out of material or workmanship not provided or furnished by Rane, or
2) resulting from abnormal use of the product or use in violation of instructions, or
3) in products repaired or serviced by other than the Rane Factory, or
4) in products with removed or defaced serial numbers, or
5) in components or parts or products expressly warranted by another manufacturer. Rane agrees to supply all parts and labor to repair or replace defects covered by this limited warranty with parts or products of original or improved design, at its option in each respect, if the defective product is shipped prior to the end of the warranty period to the Rane Factory in the original packaging or a replacement supplied by Rane, with all transportation costs and full insurance paid each way by the purchaser or owner.

Limited Warranty Outside the U.S.A.
RANE PRODUCTS ARE WARRANTED ONLY IN THE COUNTRY WHERE PURCHASED, THROUGH THE AUTHORIZED RANE DISTRIBUTOR IN THAT COUNTRY, AGAINST DEFECTS IN MATERIAL OR WORKMANSHIP, THE SPECIFIC PERIOD OF THIS LIMITED WARRANTY SHALL BE THAT WHICH IS DESCRIBED TO THE ORIGINAL RETAIL PURCHASER BY THE AUTHORIZED RANE DEALER OR DISTRIBUTOR AT THE TIME OF PURCHASE. Rane Corporation does not, however, warrant its products against any and all defects:
1) arising out of materials or workmanship not provided or furnished by Rane, or
2) resulting from abnormal use of the product or use in violation of instructions, or
3) in products repaired or serviced by other than authorized Rane repair facilities, or
4) in products with removed or defaced serial numbers, or
5) in components or parts or products expressly warranted by another manufacturer. Rane agrees, through the applicable authorized distributor, to repair or replace defects covered by this limited warranty with parts or products of original or improved design, at its option in each respect, if the defective product is shipped prior to the end of the warranty period to the designated authorized Rane warranty repair facility in the country where purchased, or to the Rane factory in the U.S., in the original packaging or a replacement supplied by Rane, with all transportation costs and full insurance paid each way by the purchaser or owner.

ALL REMEDIES AND THE MEASURE OF DAMAGES ARE LIMITED TO THE ABOVE SERVICES, IT IS POSSIBLE THAT ECONOMIC LOSS OR INJURY TO PERSON OR PROPERTY MAY RESULT FROM THE FAILURE OF THE PRODUCT; HOWEVER, EVEN IF RANE HAS BEEN ADVISED OF THIS POSSIBILITY, THIS LIMITED WARRANTY DOES NOT COVER ANY SUCH CONSEQUENTIAL OR INCIDENTAL DAMAGES. SOME STATES OR COUNTRIES DO NOT ALLOW THE LIMITATIONS OR EXCLUSION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

ANY AND ALL WARRANTIES, EXPRESS OR IMPLIED, ARISING BY LAW, COURSE OF DEALING, COURSE OF PERFORMANCE, USAGE OF TRADE, OR OTHERWISE, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO A PERIOD OF TWO (2) YEARS FROM EITHER THE DATE OF ORIGINAL RETAIL PURCHASE OR, IN THE EVENT NO PROOF OF PURCHASE DATE IS AVAILABLE, THE DATE OF MANUFACTURE. SOME STATES OR COUNTRIES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU. THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE, COUNTRY TO COUNTRY.
Warranty Procedure - Valid in U.S.A. only

NOTICE! You must complete and return the warranty card or register your product online to extend the Warranty from 2 years to 3 years!

TO VALIDATE YOUR EXTENDED WARRANTY: Use the postcard that came in the box with your unit, or go to the support page at dj.rane.com and click on product registration. Fill out the warranty completely, being sure to include the model and serial number of the unit since this is how warranties are tracked. If your Rane product was purchased in the U.S.A., mail the completed card or register online with to Rane Corporation within 10 days from the date of purchase. If you purchased the product outside the U.S.A. you must file your warranty registration with the Rane Distributor in that country. It is advised that you keep your bill of sale as proof of purchase, should any difficulties arise concerning the registration of the warranty card. NOTICE: IT IS NOT NECESSARY TO REGISTER IN ORDER TO RECEIVE RANE CORPORATION’S STANDARD TWO YEAR LIMITED WARRANTY.

WARRANTY REGISTRATION is made and tracked by MODEL AND SERIAL NUMBERS ONLY, not by the purchaser’s or owner’s name. Therefore any warranty correspondence or inquires MUST include the model and serial number of the product in question. Be sure to fill in the model and serial number in the space provided below and keep this in a safe place for future reference.

WARRANTY SERVICE MUST BE PERFORMED ONLY BY AN AUTHORIZED RANE SERVICE FACILITY LOCATED IN THE COUNTRY WHERE THE UNIT WAS PURCHASED, OR (if product was purchased in the U.S.) AT THE RANE FACTORY IN THE U.S.. If the product is being sent to Rane for repair, please call the factory for a Return Authorization number. We recommend advance notice be given to the repair facility to avoid possible needless shipment in case the problem can be solved over the phone. UNAUTHORIZED SERVICE PERFORMED ON ANY RANE PRODUCT WILL VOID ITS EXISTING FACTORY WARRANTY.

FACTORY SERVICE: If you wish your Rane product to be serviced at the factory, it must be shipped FULLY INSURED, IN THE ORIGINAL PACKING OR EQUIVALENT. This warranty will NOT cover repairs on products damaged through improper packaging. If possible, avoid sending products through the mail. Be sure to include in the package:
1. Complete return street shipping address (P.O. Box numbers are NOT acceptable).
2. A detailed description of any problems experienced, including the make and model numbers of any other system equipment.
3. Remote power supply, if applicable.

Repai red products purchased in the U.S. will be returned prepaid freight via the same method they were sent to Rane. Products purchased in the U.S., but sent to the factory from outside the U.S. MUST include return freight funds, and the sender is fully responsible for all customs procedures, duties, tariffs and deposits.

In order to qualify for Rane’s one year extended warranty (for a total of 3 years parts and labor), the warranty must be completely filled out and sent to us immediately. Valid in USA only.

We recommend you write your serial number here in your owners manual and on your sales receipt for your records.

SERIAL NUMBER: ____________________________ PURCHASE DATE: ____________________________

dj.rane.com is your center for support, accessories, community, and learning how to get the most from your Sixty-One Mixer.